

# FCC SAR TEST REPORT

**Report No:** E5/2018/C0049  
**Applicant:** Huawei Technologies Co., Ltd.  
**Manufacturer:** Huawei Technologies Co., Ltd.  
**Factory:** Huawei Technologies Co., Ltd.  
**Product Name:** Smart Phone  
**Model No.(EUT):** EML-L09  
**Trade Mark:** HUAWEI  
**FCC ID:** QISEML-L09  
**Standards:** FCC 47CFR §2.1093  
**Date of Receipt:** 2018-12-08  
**Date of Test:** 2018-12-20 to 2018-12-27  
**Date of Issue:** 2019-01-09  
**Test conclusion:** **PASS \***

\* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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**Signed on behalf of SGS**

**Sr. Engineer**

**Matt Kuo**

**Date: Jan.09, 2019**

**Asst. Manager**

**John Yeh**

**Date: Jan.09, 2019**

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## REVISION HISTORY

| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 01              |         | 2019-01-09 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

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## TEST SUMMARY

| Frequency Band   | Maximum Reported SAR(W/kg) |             |             |
|--|----------------------------|-------------|-------------|
|  | Head                       | Body-worn   | Hotspot     |
| GSM850   | 0.73                       | 0.48        | 0.69        |
| GSM1900  | 0.74                       | 0.51        | 0.67        |
| WCDMA Band II  | 0.67                       | <b>0.72</b> | 0.70        |
| WCDMA Band IV  | 0.57                       | 0.54        | 0.80        |
| WCDMA Band V   | 0.79                       | 0.38        | 0.56        |
| LTE Band 2   | 0.56                       | 0.61        | 0.74        |
| LTE Band 4   | 0.48                       | 0.43        | 0.71        |
| LTE Band 5   | 0.71                       | 0.36        | 0.55        |
| LTE Band 7   | <b>0.99</b>                | 0.42        | <b>0.92</b> |
| LTE Band 12  | 0.76                       | 0.33        | 0.44        |
| LTE Band 17  | 0.74                       | 0.34        | 0.45        |
| LTE Band 26  | 0.67                       | 0.35        | 0.49        |
| LTE Band 38  | 0.80                       | 0.38        | 0.72        |
| LTE Band 41  | 0.97                       | 0.40        | 0.87        |
| Bluetooth  | 0.39                       | <0.10       | 0.12        |
| WI-FI (2.4GHz)   | 0.93                       | 0.18        | 0.76        |
| WI-FI (5GHz)   | 0.61                       | <0.10       | <0.10       |
| SAR Limited(W/kg)  | 1.6                        |             |             |
| Maximum Simultaneous Transmission SAR (W/kg)   |                            |             |             |
| Scenario   | Head                       | Body-worn   | Hotspot     |
| Sum SAR  | 1.58                       | 0.93        | 1.27        |
| SPLSR  | N/A                        | N/A         | N/A         |
| SPLSR Limited  | 0.04                       |             |             |
| Note: The Simultaneous transmission SAR is the same test position of the main antenna + WiFi/BT antenna. |                            |             |             |

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## 1 General Information

### 1.1 Details of Client

|               |   |
|---------------|---|
| Applicant:    | Huawei Technologies Co., Ltd.   |
| Address:      | Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C |
| Manufacturer: | Huawei Technologies Co., Ltd.   |
| Address:      | Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C |
| Factory:      | Huawei Technologies Co., Ltd.   |
| Address:      | Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C |

### 1.2 Test Location

|            |  |
|------------|--|
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### 1.3 General Description of EUT

|                                   |   |                          |             |
|-----------------------------------|---|--------------------------|-------------|
| Device Type :                     | portable device   |                          |             |
| Exposure Category:                | uncontrolled environment / general population   |                          |             |
| Product Name:                     | Smart Phone   |                          |             |
| Model No.(EUT):                   | EML-L09   |                          |             |
| FCC ID:                           | QISEML-L09  |                          |             |
| Trade Mark:                       | HUAWEI  |                          |             |
| Product Phase:                    | production unit   |                          |             |
| SN:                               | AEJ0117C11000176 / AEJ0117C11000179 / AEJ0117C11000172 / AEJ0117C11000170 / AEJ0117C11000264 / AEJ0117C11000249 |                          |             |
| Hardware Version:                 | HL1EMILYM   |                          |             |
| Software Version:                 | EML-L09 8.1.0.178(C900)   |                          |             |
| Antenna Type:                     | Inner Antenna   |                          |             |
| Device Operating Configurations : |   |                          |             |
| Modulation Mode:                  | GSM:GMSK, 8PSK;WCDMA: QPSK;LTE:QPSK,16QAM,64QAM<br>WIFI: DSSS,OFDM;BT: GFSK, π/4DQPSK,8DPSK                     |                          |             |
| Device Class:                     | B   |                          |             |
| GPRS Multi-slots Class:           | 12  | EGPRS Multi-slots Class: | 12          |
| HSDPA UE Category:                | 14  | HSUPA UE Category        | 6           |
| DC-HSDPA UE Category:             | 24  |                          |             |
| LTE Category                      | 7   | LTE Release              | 13          |
| Power Class                       | 4, tested with power level 5(GSM850)  |                          |             |
|                                   | 1, tested with power level 0(GSM1900)   |                          |             |
|                                   | 3, tested with power control “all 1”(UMTS Band II/IV/V)   |                          |             |
|                                   | 3, tested with power control Max Power(LTE Band 2/4/5/7/12/17/26/38/41)   |                          |             |
| Frequency Bands:                  | Band  | Tx (MHz)                 | Rx (MHz)    |
|                                   | GSM850  | 824 - 849                | 869 - 894   |
|                                   | GSM1900   | 1850-1910                | 1930-1990   |
|                                   | WCDMA Band V  | 824 - 849                | 869 - 894   |
|                                   | WCDMA Band IV   | 1710–1755                | 2110–2155   |
|                                   | WCDMA Band II   | 1850-1910                | 1930-1990   |
|                                   | LTE Band 2  | 1850-1910                | 1930-1990   |
|                                   | LTE Band 4  | 1710–1755                | 2110–2155   |
|                                   | LTE Band 5  | 824 - 849                | 869 - 894   |
|                                   | LTE Band 7  | 2500-2570                | 2620-2690   |
|                                   | LTE Band 12   | 699-716                  | 729-746     |
|                                   | LTE Band 17   | 704-716                  | 734-746     |
|                                   | LTE Band 26   | 814-849                  | 859-894     |
|                                   | LTE Band 38   | 2570-2620                | 2570-2620   |
|                                   | LTE Band 41   | 2545-2655                | 2545-2655   |
|                                   | Bluetooth   | 2400-2483.5              | 2400-2483.5 |
|                                   | Wi-Fi 2.4G  | 2412-2462                | 2412-2462   |
|                                   | Wi-Fi 5G  | 5150-5350                | 5150-5350   |
|                                   |   | 5470-5850                | 5470-5850   |
|                                   | NFC   | 13.56                    | 13.56       |
| Battery Information1#:            | Model: HB396285ECW  |                          |             |
|                                   | Rated capacity: 3320mAh   |                          |             |
|                                   | Battery Type: Rechargeable Li-ion Battery   |                          |             |
|                                   | Manufacturer: Sunwoda Electronic Co., LTD   |                          |             |
| Battery Information2#:            | Model: HB396285ECW  |                          |             |

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|                        |  |
|------------------------|--|
|                        | Rated capacity: 3320mAh  |
|                        | Battery Type: Rechargeable Li-ion Battery                      |
|                        | Manufacturer: SCUD (FUJIAN) Electronics Co., Ltd               |
| Battery Information3#: | Model: HB396285ECW   |
|                        | Rated capacity: 3320mAh  |
|                        | Battery Type: Rechargeable Li-ion Battery                      |
| Headset Information1#: | Manufacturer: Desay Battery Co., Ltd.                          |
|                        | Model: MEND1632B729000   |
|                        | Manufacturer: JIANGXI LIANCHUANG HONGSHENG ELECTRONIC CO., LTD |
| Headset Information2#: | Model: 1331-3301-6001-TC-296                                   |
|                        | Manufacturer: BOLUO COUNTY QUANCHENG ELECTRONIC CO., LTD       |
| Headset Information3#: | Model: WINDY-C   |
|                        | Manufacturer: Goer Tek Inc                                     |
| Headset Information4#: | Model: L99EP003-CS-H   |
|                        | Manufacturer: MERRY ELECTRONICS (SHENZHEN) CO., LTD.           |

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# Remark:

The mobile phone EML-L29 and EML-L09 are LTE/UMTS/GSM mobile phone with Bluetooth. The differences between EML-L29 and EML-L09 are showed in the following table. EML-L09 delete one SIM by software. Other parts of the mobile phone are the same, including the appearance, the antenna, Chipset, Bluetooth mode, Wifi mode, Adapter, Battery, and so on.

The difference between model EML-L29 and model EML-L09 is show in the below table:

|                            | EML-L29   | EML-L09   |
|----------------------------|---|---|
| GSM four bands             | B2/B3/B5/B8   | B2/B3/B5/B8   |
| WCDMA bands                | B1/2/4/5/6/8/19   | B1/2/4/5/6/8/19   |
| LTE bands                  | FDD LTE : B1/2/3/4/5/6/7/8/9/12/17/18/19/20/<br>B26/28/32<br>TDD LTE : B34/B38/39/40/41(110M,2545-<br>2655) | FDD LTE :<br>B1/2/3/4/5/6/7/8/9/12/17/18/19/20/ B26/28/32<br>TDD LTE : B34/B38/39/40/41(110M,2545-<br>2655) |
| FCC bands                  | GSM850/1900<br>WB2/B4/B5<br>LTE B2/4/5/B7/B12/B17/B26/38/B41  | GSM850/1900<br>WB2/B4/B5<br>LTE B2/4/5/B7/B12/B17/B26/38/B41  |
| SIM card                   | Two   | One   |
| NFC                        | the same  | the same  |
| External camera            | the same  | the same  |
| internal camera            | the same  | the same  |
| FLASH                      | the same  | the same  |
| Mainboard                  | the same  | the same  |
| PCB layout                 | the same  | the same  |
| Appearance                 | the same  | the same  |
| Bluetooth mode             | the same  | the same  |
| WLAN mode                  | the same  | the same  |
| BT/ WLAN<br>antenna        | the same  | the same  |
| GSM/ WCDMA<br>/LTE antenna | the same  | The same  |
| Adapter                    | the same  | the same  |
| Battery                    | the same  | the same  |
| Chipset                    | the same  | the same  |
| Memory                     | the same  | the same  |
| RF Parameter               | The same RF Parameter in the same band  | The same RF Parameter in the same band  |
| Dimension                  | the same  | the same  |
| Main Frequency<br>NV       | The same NV in the same band  | The same NV in the same band  |

According to the difference description above, EML-L09 shares the same test data of EML-L29 (report no.: E5/2018/C0047) for the same 2G&3G&4G(with SIM1) and WiFi/BT bands.

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### 1.3.1 DUT Antenna Locations

The test device is a mobile phone. The display diagonal dimension is 146.8mm and the overall diagonal dimension of this device is 159.51mm.

According to the distance between LTE/WCDMA/GSM&WIFI antennas and the sides of the EUT we can draw the conclusion that:

| EUT Sides for SAR Testing          |       |      |      |       |     |        |
|------------------------------------|-------|------|------|-------|-----|--------|
| Mode                               | Front | Back | Left | Right | Top | Bottom |
| Ant.1(Main Ant.)                   | Yes   | Yes  | Yes  | Yes   | No  | Yes    |
| Ant.2(Second Ant.)                 | Yes   | Yes  | Yes  | Yes   | Yes | No     |
| Ant.3(2.4G WIFI1&BT&5G WIFI1 Ant.) | Yes   | Yes  | No   | Yes   | Yes | No     |
| Ant.4(2.4G WIFI2&5G WIFI2 Ant.)    | Yes   | Yes  | Yes  | No    | Yes | No     |

Table 1: EUT Sides for SAR Testing

Note:

- 1) When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.
- 2) The device supports LTE B3 and B7 4\*4 mimo. Ant1, Ant3 and Ant4 support B3 and B7. Ant6 supports B3 and Ant5 supports B7.

#### 1.3.1.1 Detailed DUT Antenna Locations

Please see the Appendix E

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### 1.3.2 Dynamic antenna switching specification

The device has two 2G/3G/4G Tx antennas (Main Antenna and Second Antenna). It can transmit from either Main Antenna or Second Antenna, but they cannot transmit simultaneously.

SAR test procedure for dynamic antenna switching is as below:

The Main Antenna and Second Antenna are set to the MAX transmit power level respectively and test the SAR respectively in all applicable RF exposure conditions. Some commands or test scripts are supplied to fix the operation state and choose the antenna so that only one TX antenna is chosen and tested at a time. All independent antennas will be completely covered by the appropriate SAR measurements and all simultaneous transmission possibilities will be fully considered to ensure SAR compliance.

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### 1.3.3 Power reduction specification

This device uses a single fixed level of power reduction through static table look-up for SAR compliance and it is triggered by a single event or operation:

- 1) A fixed level power reduction is applied for some frequency bands when hotspot mode becomes active. When the hotspot is disabled, the power value will be recovered.
- 2) A fixed level power reduction is applied for some frequency bands when simultaneously transmitting with the other antennas in certain simultaneous transmission conditions. The standalone SAR compliance still uses the standalone SAR results tested at the maximum output power level without any power reduction.
- 3) A fixed level power reduction is applied for some frequency bands when handset operate "held to the ear" condition, the power reduction triggered by Accelerometer & Gyroscope and audio receiver detection. The audio receiver detection is used to determine head or body scenario. The Accelerometer & Gyroscope sensor is used to determine proximity to Left head or Right head scenario.

The following tables summarize the key power reduction information. The detailed full power which is the Max. power the state can use and reduced tune-up specifications and conducted power measurement results are provided in Section 8 of this report.

| Second antenna Power Reduction Level Amount (dBm) |         |          |               |               |              |            |            |            |            |             |             |             |             |             |
|---|---------|----------|---------------|---------------|--------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|
| Power Reduction Scenario                          | GSM 850 | GSM 1900 | WCDMA Band II | WCDMA Band IV | WCDMA Band V | LTE Band 2 | LTE Band 4 | LTE Band 5 | LTE Band 7 | LTE Band 12 | LTE Band 17 | LTE Band 26 | LTE Band 38 | LTE Band 41 |
| Receiver on (left head)                           | 4.5     | 4.5      | 7.0           | 4.5           | 4.0          | 6.0        | 3.5        | 4.0        | 7.5        | 2.5         | 3.5         | 4.5         | 6.0         | 6.5         |
| Receiver on (right head)                          | 4.0     | 5.0      | 8.0           | 6.0           | 4.0          | 8.0        | 6.0        | 4.0        | 8.5        | 3.0         | 3.0         | 4.0         | 7.0         | 7.0         |
| unknown   | 4.5     | 5.0      | 8.0           | 6.0           | 4.0          | 8.0        | 6.0        | 4.0        | 8.5        | 3.0         | 3.5         | 4.5         | 7.0         | 7.0         |
| Receiver off (body 15mm & 0mm)                    | 0.0     | 0.5      | 3.0           | 2.5           | 0.0          | 2.5        | 2.5        | 0.0        | 4.5        | 0.0         | 0.0         | 0.0         | 4.0         | 4.0         |
| +BT   | 2.0     | 2.0      | 2.0           | 2.0           | 2.0          | 2.0        | 2.0        | 2.0        | 2.0        | 2.0         | 2.0         | 2.0         | 2.0         | 2.0         |
| +wifi 2.4G  | 3.0     | 3.0      | 3.0           | 3.0           | 3.0          | 3.0        | 3.0        | 3.0        | 3.0        | 3.0         | 3.0         | 3.0         | 3.0         | 3.0         |
| +wifi 5G  | 5.0     | 5.0      | 5.0           | 5.0           | 5.0          | 5.0        | 5.0        | 5.0        | 5.0        | 5.0         | 5.0         | 5.0         | 5.0         | 5.0         |
| +BT+5G  | 5.0     | 5.0      | 5.0           | 5.0           | 5.0          | 5.0        | 5.0        | 5.0        | 5.0        | 5.0         | 5.0         | 5.0         | 5.0         | 5.0         |
| +wifi 2.4G+5G                                     | 3.0     | 3.0      | 3.0           | 3.0           | 3.0          | 3.0        | 3.0        | 3.0        | 3.0        | 3.0         | 3.0         | 3.0         | 3.0         | 3.0         |
| +hotspot 2.4G                                     | 3.0     | 3.0      | 3.0           | 3.0           | 3.0          | 3.0        | 3.0        | 3.0        | 3.0        | 3.0         | 3.0         | 3.0         | 3.0         | 3.0         |
| +hotspot 5G                                       | 5.0     | 5.0      | 5.0           | 5.0           | 5.0          | 5.0        | 5.0        | 5.0        | 5.0        | 5.0         | 5.0         | 5.0         | 5.0         | 5.0         |

| Main antenna Power Reduction Level Amount (dBm) |         |               |               |            |            |            |             |             |
|---|---------|---------------|---------------|------------|------------|------------|-------------|-------------|
| Power Reduction Scenario                        | GSM1900 | WCDMA Band II | WCDMA Band IV | LTE Band 2 | LTE Band 4 | LTE Band 7 | LTE Band 38 | LTE Band 41 |
| Receiver on                                     | 0.0     | 0.0           | 0.0           | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         |
| Receiver off (body 15mm)                        | 0.0     | 0.0           | 0.0           | 0.0        | 0.0        | 0.0        | 0.0         | 0.0         |
| Sensor D1 (body 0mm)                            | 0.5     | 2.5           | 2.5           | 2.0        | 2.0        | 1.5        | 0.0         | 0.0         |
| hotspot 2.4G                                    | 4.0     | 5.5           | 4.0           | 5.0        | 4.0        | 3.0        | 2.0         | 2.0         |
| hotspot 5G                                      | 4.0     | 5.5           | 4.0           | 5.0        | 4.0        | 3.0        | 2.0         | 2.0         |

| WiFi antenna Power Reduction Level Amount (dBm) |                |              |                |              |
|---|----------------|--------------|----------------|--------------|
| Power Reduction Scenario                        | WiFi 2.4G Ant1 | WiFi 5G Ant1 | WiFi 2.4G Ant2 | WiFi 5G Ant2 |
| wifi only--head                                 | 4.5            | 5.0          | 0.0            | 0.0          |
| wifi only--body                                 | 0.0            | 0.0          | 0.0            | 0.0          |
| wifi simultaneously-head                        | 4.5            | 5.0          | 0.0            | 0.0          |
| wifi simultaneously-body                        | 0.0            | 0.0          | 0.0            | 0.0          |

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### 1.3.4 Downlink&Uplink LTE CA additional specification

The device supports downlink and uplink LTE Carrier Aggregation (CA). When carrier aggregation applies, implementation and measurement details for the following are necessary.

- Intra-band and inter-band carrier aggregation requirements for both uplink and downlink.
- Support of contiguous and non-contiguous component carriers for intra-band aggregation requirements for downlink.
- Support of contiguous component carriers for intra-band aggregation requirements for uplink

The possible downlink and uplink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.101 V13.5.0 (2016-09). The conducted power measurement results of downlink and uplink LTE CA are provided in Section 8 of this report per 3GPP TS 36.521-1 V13.3.0 (2016-09). According to KDB 941225 D05A, the downlink LTE CA SAR test is not required and PAG requirements can be excluded.

SAR test procedure for intra-band contiguous UL LTE CA is as below:

- Maximum output power is measured for each UL CA configuration for the required test channels described in KDB 941225 D05
  - UL PCC configuration is determined by the required test channel
  - SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band.
- SAR for UL CA is required in each exposure condition and frequency band combination
- For this device, as the maximum output for Intra-band uplink LTE CA is  $\leq$  standalone LTE mode (without CA).
  - PCC is configured according to the highest standalone SAR configuration tested.
  - SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC
- When the reported SAR for UL CA configuration, described above, is  $> 1.2$  W/kg, UL CA SAR is also required for all required test channels (PCC based)
- UL CA SAR is also required for standalone SAR configurations  $> 1.2$  W/kg when they are scaled to the UL CA power level.

Intra-band contiguous CA operating bands

| E-UTRA CA Band | E-UTRA Band | Uplink (UL) operating band |                | Downlink (DL) operating band |                | Duplex Mode |
|----------------|-------------|----------------------------|----------------|------------------------------|----------------|-------------|
|                |             | BS receive / UE transmit   |                | BS transmit / UE receive     |                |             |
|                |             | $F_{UL\_low}$              | $F_{UL\_high}$ | $F_{DL\_low}$                | $F_{DL\_high}$ |             |
| CA_2           | 2           | 1850 MHz                   | — 1910 MHz     | 1930 MHz                     | — 1990 MHz     | FDD         |
| CA_7           | 7           | 2500 MHz                   | — 2570 MHz     | 2620 MHz                     | — 2690 MHz     | FDD         |
| CA_38          | 38          | 2570 MHz                   | — 2620 MHz     | 2570 MHz                     | — 2620 MHz     | TDD         |
| CA_41          | 41          | 2545 MHz                   | — 2655 MHz     | 2545 MHz                     | — 2655 MHz     | TDD         |

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## intra-band contiguous CA:

| E-UTRA CA configuration / Bandwidth combination set |                                   |   |                                      |                                      |                                      |                                    |                           |
|---|-----------------------------------|---|--------------------------------------|--------------------------------------|--------------------------------------|------------------------------------|---------------------------|
| E-UTRA CA configuration                             | Uplink CA configurations (NOTE 3) | Component carriers in order of increasing carrier frequency |                                      |                                      |                                      | Maximum aggregated bandwidth [MHz] | Bandwidth combination set |
|   |                                   | Channel bandwidths for carrier [MHz]                        | Channel bandwidths for carrier [MHz] | Channel bandwidths for carrier [MHz] | Channel bandwidths for carrier [MHz] |                                    |                           |
| CA_2C   | CA_2C                             | 5   | 20                                   |                                      |                                      | 40                                 | 0                         |
|   |                                   | 10  | 15, 20                               |                                      |                                      |                                    |                           |
|   |                                   | 15  | 10, 15, 20                           |                                      |                                      |                                    |                           |
|   |                                   | 20  | 5, 10, 15, 20                        |                                      |                                      |                                    |                           |
| CA_7C   | CA_7C                             | 15  | 15                                   |                                      |                                      | 40                                 | 0                         |
|   |                                   | 20  | 20                                   |                                      |                                      |                                    |                           |
|   |                                   | 10  | 20                                   |                                      |                                      | 40                                 | 1                         |
|   |                                   | 15  | 15, 20                               |                                      |                                      |                                    |                           |
|   |                                   | 20  | 10, 15, 20                           |                                      |                                      | 40                                 | 2                         |
|   |                                   | 15  | 10, 15                               |                                      |                                      |                                    |                           |
|   |                                   | 20  | 15, 20                               |                                      |                                      | 40                                 | 0                         |
|   |                                   | 15  | 15                                   |                                      |                                      |                                    |                           |
| CA_41C  | CA_41C                            | 20  | 20                                   |                                      |                                      | 40                                 | 0                         |
|   |                                   | 15  | 15, 20                               |                                      |                                      |                                    |                           |
|   |                                   | 20  | 10, 15, 20                           |                                      |                                      | 40                                 | 1                         |
|   |                                   | 5, 10   | 20                                   |                                      |                                      |                                    |                           |
|   |                                   | 15  | 15, 20                               |                                      |                                      | 40                                 | 2                         |
|   |                                   | 20  | 5, 10, 15, 20                        |                                      |                                      |                                    |                           |
|   |                                   | 10  | 15, 20                               |                                      |                                      | 40                                 | 3                         |
|   |                                   | 15  | 10, 15, 20                           |                                      |                                      |                                    |                           |
|   |                                   | 20  | 10, 15, 20                           |                                      |                                      | 40                                 | 0                         |
|   |                                   | 10  | 20                                   | 15                                   |                                      |                                    |                           |
| CA_41D  | CA_41C                            | 10  | 15, 20                               | 20                                   |                                      | 60                                 | 0                         |
|   |                                   | 15  | 20                                   | 10, 15                               |                                      |                                    |                           |
|   |                                   | 15  | 10, 15, 20                           | 20                                   |                                      |                                    |                           |
|   |                                   | 20  | 15, 20                               | 10                                   |                                      |                                    |                           |
|   |                                   | 20  | 10, 15, 20                           | 15, 20                               |                                      |                                    |                           |
|   |                                   |   |                                      |                                      |                                      |                                    |                           |

NOTE 1: The CA configuration refers to an operating band and a CA bandwidth class specified in Table 5.6A-1 (the indexing letter). Absence of a CA bandwidth class for an operating band implies support of all classes.

NOTE 2: For the supported CC bandwidth combinations, the CC downlink and uplink bandwidths are equal.

NOTE 3: Uplink CA configurations are the configurations supported by the present release of specifications.

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## Test frequencies for CA\_2C

| Range | CC-Combo /<br>NRB_agg<br>[RB] | CC1<br>Note1 |                 |                          |                 |                          | CC2<br>Note1 |                 |                          |                 |                          |
|-------|-------------------------------|--------------|-----------------|--------------------------|-----------------|--------------------------|--------------|-----------------|--------------------------|-----------------|--------------------------|
|       |                               | BW<br>[RB]   | N <sub>UL</sub> | f <sub>UL</sub><br>[MHz] | N <sub>DL</sub> | f <sub>DL</sub><br>[MHz] | BW<br>[RB]   | N <sub>UL</sub> | f <sub>UL</sub><br>[MHz] | N <sub>DL</sub> | f <sub>DL</sub><br>[MHz] |
| Low   | 25+100                        | 25           | 18633           | 1853.3                   | 633             | 1933.3                   | 100          | 18750           | 1865                     | 750             | 1945                     |
|       |                               | 100          | 18700           | 1860                     | 700             | 1940                     | 25           | 18817           | 1871.7                   | 817             | 1951.7                   |
|       | 50+75                         | 50           | 18653           | 1855.3                   | 653             | 1935.3                   | 75           | 18773           | 1867.3                   | 773             | 1947.3                   |
|       |                               | 75           | 18675           | 1857.5                   | 675             | 1937.5                   | 50           | 18795           | 1869.5                   | 795             | 1949.5                   |
|       | 50+100                        | 50           | 18655           | 1855.5                   | 655             | 1935.5                   | 100          | 18799           | 1869.9                   | 799             | 1949.9                   |
|       |                               | 100          | 18700           | 1860                     | 700             | 1940                     | 50           | 18844           | 1874.4                   | 844             | 1954.4                   |
|       | 75+75                         | 75           | 18675           | 1857.5                   | 675             | 1937.5                   | 75           | 18825           | 1872.5                   | 825             | 1952.5                   |
|       |                               | 75           | 18678           | 1857.8                   | 678             | 1937.8                   | 100          | 18849           | 1874.9                   | 849             | 1954.9                   |
| Mid   | 25+100                        | 25           | 18808           | 1870.8                   | 808             | 1950.8                   | 100          | 18925           | 1882.5                   | 925             | 1962.5                   |
|       |                               | 100          | 18875           | 1877.5                   | 875             | 1957.5                   | 25           | 18992           | 1889.2                   | 992             | 1969.2                   |
|       | 50+75                         | 50           | 18829           | 1872.9                   | 829             | 1952.9                   | 75           | 18949           | 1884.9                   | 949             | 1964.9                   |
|       |                               | 75           | 18851           | 1875.1                   | 851             | 1955.1                   | 50           | 18971           | 1887.1                   | 971             | 1967.1                   |
|       | 50+100                        | 50           | 18806           | 1870.6                   | 806             | 1950.6                   | 100          | 18950           | 1885                     | 950             | 1965                     |
|       |                               | 100          | 18851           | 1875.1                   | 851             | 1955.1                   | 50           | 18995           | 1889.5                   | 995             | 1969.5                   |
|       | 75+75                         | 75           | 18825           | 1872.5                   | 825             | 1952.5                   | 75           | 18975           | 1887.5                   | 975             | 1967.5                   |
|       |                               | 75           | 18803           | 1870.3                   | 803             | 1950.3                   | 100          | 18974           | 1887.4                   | 974             | 1967.4                   |
| High  | 25+100                        | 25           | 18983           | 1888.3                   | 983             | 1968.3                   | 100          | 19100           | 1900                     | 1100            | 1980                     |
|       |                               | 100          | 19050           | 1895                     | 1050            | 1975                     | 25           | 19167           | 1906.7                   | 1167            | 1986.7                   |
|       | 50+75                         | 50           | 19005           | 1890.5                   | 1005            | 1970.5                   | 75           | 19125           | 1902.5                   | 1125            | 1982.5                   |
|       |                               | 75           | 19027           | 1892.7                   | 1027            | 1972.7                   | 50           | 19147           | 1904.7                   | 1147            | 1984.7                   |
|       | 50+100                        | 50           | 18956           | 1885.6                   | 956             | 1965.6                   | 100          | 19100           | 1900                     | 1100            | 1980                     |
|       |                               | 100          | 19001           | 1890.1                   | 1001            | 1970.1                   | 50           | 19145           | 1904.5                   | 1145            | 1984.5                   |
|       | 75+75                         | 75           | 18975           | 1887.5                   | 975             | 1967.5                   | 75           | 19125           | 1902.5                   | 1125            | 1982.5                   |
|       |                               | 75           | 18929           | 1882.9                   | 929             | 1962.9                   | 100          | 19100           | 1900                     | 1100            | 1980                     |
|       | 75+100                        | 75           | 18951           | 1885.1                   | 951             | 1965.1                   | 75           | 19122           | 1902.2                   | 1122            | 1982.2                   |
|       |                               | 100          | 18902           | 1880.2                   | 902             | 1960.2                   | 100          | 19100           | 1900                     | 1100            | 1980                     |

Note 1: Carriers in increasing frequency order.

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## Test frequencies for CA\_7C

| Range | CC-Combo /<br>NRB_agg<br>[RB] | CC1<br>Note1 |                 |                          |                 |                          | CC2<br>Note1 |                 |                          |                 |                          |
|-------|-------------------------------|--------------|-----------------|--------------------------|-----------------|--------------------------|--------------|-----------------|--------------------------|-----------------|--------------------------|
|       |                               | BW<br>[RB]   | N <sub>UL</sub> | f <sub>UL</sub><br>[MHz] | N <sub>DL</sub> | f <sub>DL</sub><br>[MHz] | BW<br>[RB]   | N <sub>UL</sub> | f <sub>UL</sub><br>[MHz] | N <sub>DL</sub> | f <sub>DL</sub><br>[MHz] |
| Low   | 50+100                        | 50           | 20805           | 2505.5                   | 2805            | 2625.5                   | 100          | 20949           | 2519.9                   | 2949            | 2639.9                   |
|       |                               | 100          | 20850           | 2510                     | 2850            | 2630                     | 50           | 20994           | 2524.4                   | 2994            | 2644.4                   |
|       | 75+75                         | 75           | 20825           | 2507.5                   | 2825            | 2627.5                   | 75           | 20975           | 2522.5                   | 2975            | 2642.5                   |
|       | 75+100                        | 75           | 20828           | 2507.8                   | 2828            | 2627.8                   | 100          | 20999           | 2524.9                   | 2999            | 2644.9                   |
|       |                               | 100          | 20850           | 2510                     | 2850            | 2630                     | 75           | 21021           | 2527.1                   | 3021            | 2647.1                   |
| Mid   | 50+100                        | 50           | 21006           | 2525.6                   | 3006            | 2645.6                   | 100          | 21150           | 2540                     | 3150            | 2660                     |
|       |                               | 100          | 21051           | 2530.1                   | 3051            | 2650.1                   | 50           | 21195           | 2544.5                   | 3195            | 2664.5                   |
|       | 75+75                         | 75           | 21025           | 2527.5                   | 3025            | 2647.5                   | 75           | 21175           | 2542.5                   | 3175            | 2662.5                   |
|       | 75+100                        | 75           | 21003           | 2525.3                   | 3003            | 2645.3                   | 100          | 21174           | 2542.4                   | 3174            | 2662.4                   |
|       |                               | 100          | 21026           | 2527.6                   | 3026            | 2647.6                   | 75           | 21197           | 2544.7                   | 3197            | 2664.7                   |
| High  | 50+100                        | 50           | 21206           | 2545.6                   | 3206            | 2665.6                   | 100          | 21350           | 2560                     | 3350            | 2680                     |
|       |                               | 100          | 21251           | 2550.1                   | 3251            | 2670.1                   | 50           | 21395           | 2564.5                   | 3395            | 2684.5                   |
|       | 75+75                         | 75           | 21225           | 2547.5                   | 3225            | 2667.5                   | 75           | 21375           | 2562.5                   | 3375            | 2682.5                   |
|       | 75+100                        | 75           | 21179           | 2542.9                   | 3179            | 2662.9                   | 100          | 21350           | 2560                     | 3350            | 2680                     |
|       |                               | 100          | 21201           | 2545.1                   | 3201            | 2665.1                   | 75           | 21372           | 2562.2                   | 3372            | 2682.2                   |
|       | 100+100                       | 100          | 21152           | 2540.2                   | 3152            | 2660.2                   | 100          | 21350           | 2560                     | 3350            | 2680                     |

Note 1: Carriers in increasing frequency order.

## Test frequencies for CA\_38C

| Range | CC-Combo /<br>NRB_agg<br>[RB] | CC1<br>Note1 |                    |                             | CC2<br>Note1 |                    |                             |
|-------|-------------------------------|--------------|--------------------|-----------------------------|--------------|--------------------|-----------------------------|
|       |                               | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] |
| Low   | 75+75                         | 75           | 37825              | 2577.5                      | 75           | 37975              | 2592.5                      |
|       | 100+100                       | 100          | 37850              | 2580                        | 100          | 38048              | 2599.8                      |
| Mid   | 75+75                         | 75           | 37925              | 2587.5                      | 75           | 38075              | 2602.5                      |
|       | 100+100                       | 100          | 37901              | 2585.1                      | 100          | 38099              | 2604.9                      |
| High  | 75+75                         | 75           | 38025              | 2597.5                      | 75           | 38175              | 2612.5                      |
|       | 100+100                       | 100          | 37952              | 2590.2                      | 100          | 38150              | 2610                        |

Note 1: Carriers in increasing frequency order.

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## Test frequencies for CA\_41C

| Range | CC-Combo /<br>NRB_agg<br>[RB] | CC1<br>Note1 |                    |                             | CC2<br>Note1 |                    |                             |
|-------|-------------------------------|--------------|--------------------|-----------------------------|--------------|--------------------|-----------------------------|
|       |                               | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] |
| Low   | 25+100                        | 25           | 40165              | 2547.5                      | 100          | 40282              | 2559.2                      |
|       |                               | 100          | 40240              | 2555                        | 25           | 40357              | 2566.7                      |
|       | 50+100                        | 50           | 40190              | 2550                        | 100          | 40334              | 2564.4                      |
|       |                               | 100          | 40240              | 2555                        | 50           | 40384              | 2569.4                      |
|       | 75+75                         | 75           | 40215              | 2552.5                      | 75           | 40365              | 2567.5                      |
|       | 75+100                        | 75           | 40215              | 2552.5                      | 100          | 40386              | 2569.6                      |
|       |                               | 100          | 40240              | 2555                        | 75           | 40411              | 2572.1                      |
|       | 100+100                       | 100          | 40240              | 2555                        | 100          | 40438              | 2574.8                      |
| Mid   | 25+100                        | 25           | 40598              | 2590.8                      | 100          | 40715              | 2602.5                      |
|       |                               | 100          | 40665              | 2597.5                      | 25           | 40782              | 2609.2                      |
|       | 50+100                        | 50           | 40596              | 2590.6                      | 100          | 40740              | 2565.0                      |
|       |                               | 100          | 40641              | 2595.1                      | 50           | 40785              | 2609.5                      |
|       | 75+75                         | 75           | 40615              | 2592.5                      | 75           | 40765              | 2607.5                      |
|       |                               | 75           | 40593              | 2590.3                      | 100          | 40764              | 2607.4                      |
|       | 75+100                        | 100          | 40616              | 2592.6                      | 75           | 40787              | 2609.7                      |
|       |                               | 100          | 40591              | 2590.1                      | 100          | 40789              | 2609.9                      |
| High  | 25+100                        | 25           | 41023              | 2633.3                      | 100          | 41140              | 2645                        |
|       |                               | 100          | 41098              | 2640.8                      | 25           | 41215              | 2652.5                      |
|       | 50+100                        | 50           | 40996              | 2630.6                      | 100          | 41140              | 2645                        |
|       |                               | 100          | 41046              | 2635.6                      | 50           | 41190              | 2650                        |
|       | 75+75                         | 75           | 41014              | 2632.5                      | 75           | 41165              | 2647.5                      |
|       | 75+100                        | 75           | 40969              | 2627.9                      | 100          | 41140              | 2645                        |
|       |                               | 100          | 40994              | 2630.4                      | 75           | 41165              | 2647.5                      |
|       | 100+100                       | 100          | 40942              | 2625.2                      | 100          | 41140              | 2645                        |

Note 1: Carriers in increasing frequency order.

## Test frequencies for CA\_41D

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| Range   | CC-Combo /<br>NRB_agg<br>[RB] | CC1<br>Note1 |                     |                              | CC2<br>Note1 |                     |                              | CC3<br>Note1 |                     |                              |
|---|-------------------------------|--------------|---------------------|------------------------------|--------------|---------------------|------------------------------|--------------|---------------------|------------------------------|
|   |                               | BW<br>[RB]   | N <sub>UL</sub> /DL | f <sub>UL</sub> /DL<br>[MHz] | BW<br>[RB]   | N <sub>UL</sub> /DL | f <sub>UL</sub> /DL<br>[MHz] | BW<br>[RB]   | N <sub>UL</sub> /DL | f <sub>UL</sub> /DL<br>[MHz] |
| Low   | 50+75+100                     | 50           | 40195               | 2550.5                       | 75           | 40315               | 2562.5                       | 100          | 40486               | 2579.6                       |
|   |                               | 50           | 40195               | 2550.5                       | 100          | 40339               | 2564.9                       | 75           | 40510               | 2582.0                       |
|   |                               | 75           | 40218               | 2552.8                       | 50           | 40338               | 2564.8                       | 100          | 40482               | 2579.2                       |
|   |                               | 75           | 40218               | 2552.8                       | 100          | 40389               | 2569.9                       | 50           | 40533               | 2584.3                       |
|   |                               | 100          | 40240               | 2555                         | 50           | 40384               | 2569.4                       | 75           | 40504               | 2581.4                       |
|   |                               | 100          | 40340               | 2565                         | 75           | 40511               | 2582.1                       | 50           | 40631               | 2594.1                       |
|   | 50+100+100                    | 50           | 40195               | 2550.5                       | 100          | 40339               | 2564.9                       | 100          | 40537               | 2584.7                       |
|   |                               | 100          | 40240               | 2555                         | 50           | 40384               | 2569.4                       | 100          | 40528               | 2583.8                       |
|   |                               | 100          | 40240               | 2555                         | 100          | 40438               | 2574.8                       | 50           | 40582               | 2589.2                       |
|   | 75+75+100                     | 75           | 40218               | 2552.8                       | 75           | 40368               | 2567.8                       | 100          | 40539               | 2584.9                       |
|   |                               | 75           | 40218               | 2552.8                       | 100          | 40389               | 2569.9                       | 75           | 40560               | 2587.0                       |
|   |                               | 100          | 40240               | 2555                         | 75           | 40411               | 2572.1                       | 75           | 40561               | 2587.1                       |
|   | 75+100+100                    | 75           | 40218               | 2552.8                       | 100          | 40389               | 2569.9                       | 100          | 40587               | 2589.7                       |
|   |                               | 100          | 40240               | 2555                         | 75           | 40411               | 2572.1                       | 100          | 40582               | 2589.2                       |
|   |                               | 100          | 40240               | 2555                         | 100          | 40438               | 2574.8                       | 75           | 40609               | 2591.9                       |
|   | 100+100+100                   | 100          | 40340               | 2565                         | 100          | 40538               | 2584.8                       | 100          | 40736               | 2604.6                       |
| Mid   | 50+75+100                     | 50           | 40522               | 2583.2                       | 75           | 40642               | 2595.2                       | 100          | 40813               | 2612.3                       |
|   |                               | 50           | 40521               | 2583.1                       | 100          | 40665               | 2597.5                       | 75           | 40836               | 2614.6                       |
|   |                               | 75           | 40547               | 2585.7                       | 50           | 40667               | 2597.7                       | 100          | 40811               | 2612.1                       |
|   |                               | 75           | 40544               | 2585.4                       | 100          | 40715               | 2602.5                       | 50           | 40859               | 2616.9                       |
|   |                               | 100          | 40569               | 2587.9                       | 50           | 40713               | 2602.3                       | 75           | 40833               | 2614.3                       |
|   |                               | 100          | 40567               | 2587.7                       | 75           | 40738               | 2604.8                       | 50           | 40858               | 2616.8                       |
|   | 50+100+100                    | 50           | 40497               | 2580.7                       | 100          | 40641               | 2595.1                       | 100          | 40839               | 2614.9                       |
|   |                               | 100          | 40546               | 2585.6                       | 50           | 40690               | 2600                         | 100          | 40834               | 2614.4                       |
|   |                               | 100          | 40542               | 2585.2                       | 100          | 40740               | 2605                         | 50           | 40894               | 2619.4                       |
|   | 75+75+100                     | 75           | 40518               | 2582.8                       | 75           | 40668               | 2597.8                       | 100          | 40839               | 2614.9                       |
|   |                               | 75           | 40519               | 2582.9                       | 100          | 40690               | 2600                         | 75           | 40861               | 2617.1                       |
|   |                               | 100          | 40541               | 2585.1                       | 75           | 40712               | 2602.2                       | 75           | 40862               | 2617.2                       |
|   | 75+100+100                    | 75           | 40494               | 2580.4                       | 100          | 40665               | 2597.5                       | 100          | 40863               | 2617.3                       |
|   |                               | 100          | 40519               | 2582.9                       | 75           | 40690               | 2600                         | 100          | 40861               | 2617.1                       |
|   |                               | 100          | 40517               | 2582.7                       | 100          | 40715               | 2602.5                       | 75           | 40886               | 2619.6                       |
|   | 100+100+100                   | 100          | 40492               | 2580.2                       | 100          | 40690               | 2600                         | 100          | 40888               | 2619.8                       |
| High  | 50+75+100                     | 50           | 40849               | 2615.9                       | 75           | 40969               | 2627.9                       | 100          | 41140               | 2645                         |
|   |                               | 50           | 40847               | 2615.7                       | 100          | 40991               | 2630.1                       | 75           | 41162               | 2647.2                       |
|   |                               | 75           | 40876               | 2618.6                       | 50           | 40996               | 2630.6                       | 100          | 41140               | 2645                         |
|   |                               | 75           | 40870               | 2618.0                       | 100          | 41041               | 2635.1                       | 50           | 41185               | 2649.5                       |
|   |                               | 100          | 40898               | 2620.8                       | 50           | 41042               | 2635.2                       | 75           | 41162               | 2647.2                       |
|   |                               | 100          | 40894               | 2620.4                       | 75           | 41065               | 2637.5                       | 50           | 41185               | 2649.5                       |
|   | 50+100+100                    | 50           | 40798               | 2610.8                       | 100          | 40942               | 2625.2                       | 100          | 41140               | 2645                         |
|   |                               | 100          | 40852               | 2616.2                       | 50           | 40996               | 2630.6                       | 100          | 41140               | 2645                         |
|   |                               | 100          | 40843               | 2615.3                       | 100          | 41041               | 2635.1                       | 50           | 41185               | 2649.5                       |
|   | 75+75+100                     | 75           | 40819               | 2612.9                       | 75           | 40969               | 2627.9                       | 100          | 41140               | 2645                         |
|   |                               | 75           | 40820               | 2613.0                       | 100          | 40991               | 2630.1                       | 75           | 41162               | 2647.2                       |
|   |                               | 100          | 40841               | 2615.1                       | 75           | 41012               | 2632.2                       | 75           | 41162               | 2647.2                       |
|   | 75+100+100                    | 75           | 40771               | 2608.1                       | 100          | 40942               | 2625.2                       | 100          | 41140               | 2645                         |
|   |                               | 100          | 40798               | 2610.8                       | 75           | 40969               | 2627.9                       | 100          | 41140               | 2645                         |
|   |                               | 100          | 40793               | 2610.3                       | 100          | 40991               | 2630.1                       | 75           | 41162               | 2647.2                       |
|   | 100+100+100                   | 100          | 40744               | 2605.4                       | 100          | 40942               | 2625.2                       | 100          | 41140               | 2645                         |
| Note 1: Carriers in increasing frequency order. |                               |              |                     |                              |              |                     |                              |              |                     |                              |

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## non-contiguous intra-band CA

| E-UTRA CA Band | E-UTRA Band | Uplink (UL) operating band                 |   |          | Downlink (DL) operating band               |   |          | Duplex Mode |
|----------------|-------------|--|---|----------|--|---|----------|-------------|
|                |             | BS receive / UE transmit                   |   |          | BS transmit / UE receive                   |   |          |             |
|                |             | F <sub>UL_low</sub> – F <sub>UL_high</sub> |   |          | F <sub>DL_low</sub> – F <sub>DL_high</sub> |   |          |             |
| CA_41-41       | 41          | 2496 MHz                                   | – | 2690 MHz | 2496 MHz                                   | – | 2690 MHz | TDD         |

| E-UTRA CA configuration / Bandwidth combination set |                                   |   |  |                                      |                                    |                           |                      |
|---|-----------------------------------|---|--|--------------------------------------|------------------------------------|---------------------------|----------------------|
| E-UTRA CA configuration                             | Uplink CA configurations (NOTE 1) | Component carriers in order of increasing carrier frequency |  |                                      | Maximum aggregated bandwidth [MHz] | Bandwidth combination set | uplink CA capability |
|   |                                   | Channel bandwidths for carrier [MHz]                        | Channel bandwidths for carrier [MHz]                       | Channel bandwidths for carrier [MHz] |                                    |                           |                      |
| CA_7A-7A  | -                                 | 5   | 15   |                                      | 40                                 | 0                         | NO                   |
|   |                                   | 10  | 10, 15   |                                      |                                    |                           |                      |
|   |                                   | 15  | 15, 20   |                                      |                                    |                           |                      |
|   |                                   | 20  | 20   |                                      |                                    |                           |                      |
|   |                                   | 5, 10, 15, 20   | 5, 10, 15, 20  |                                      |                                    |                           |                      |
| CA_41A-41A  | -                                 | 10, 15, 20  | 10, 15, 20   |                                      | 40                                 | 0                         | No                   |
|   |                                   | 5, 10, 15, 20   | 5, 10, 15, 20  |                                      | 40                                 | 1                         | No                   |
| CA_41A-41C  | -                                 | 5, 10, 15, 20   | See CA_41C Bandwidth Combination Set 1 in Table 5.4.2A.1-1 |                                      | 60                                 | 0                         | No                   |
| CA_41C-41A  | -                                 | See CA_41C Bandwidth Combination Set 1 in Table 5.4.2A.1-1  |  | 5, 10, 15, 20                        | 60                                 | 0                         | No                   |

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## Test frequencies for CA\_7A-7A

| Test Frequency ID    | CC-Combo /<br>NRB_agg<br>[RB] | CC1<br>Note1 |                 |                          |                 |                          | Wgap<br>[MHz] | CC2<br>Note1 |                 |                          |                 |                          |
|----------------------|-------------------------------|--------------|-----------------|--------------------------|-----------------|--------------------------|---------------|--------------|-----------------|--------------------------|-----------------|--------------------------|
|                      |                               | BW<br>[RB]   | N <sub>UL</sub> | f <sub>UL</sub><br>[MHz] | N <sub>DL</sub> | f <sub>DL</sub><br>[MHz] |               | BW<br>[RB]   | N <sub>UL</sub> | f <sub>UL</sub><br>[MHz] | N <sub>DL</sub> | f <sub>DL</sub><br>[MHz] |
| Max WGap             | 25+25                         | 25           | 20775           | 2502.5                   | 2775            | 2622.5                   | 60            | 25           | 21425           | 2567.5                   | 3425            | 2687.5                   |
|                      | 25+50                         | 25           | 20775           | 2502.5                   | 2775            | 2622.5                   | 55            | 50           | 21400           | 2565                     | 3400            | 2685                     |
|                      |                               | 50           | 20800           | 2505                     | 2800            | 2625                     | 55            | 25           | 21425           | 2567.5                   | 3425            | 2687.5                   |
|                      | 25+75                         | 25           | 20775           | 2502.5                   | 2775            | 2622.5                   | 50            | 75           | 21375           | 2562.5                   | 3375            | 2682.5                   |
|                      |                               | 75           | 20825           | 2507.5                   | 2825            | 2627.5                   | 50            | 25           | 21425           | 2567.5                   | 3425            | 2687.5                   |
|                      | 50+50                         | 50           | 20800           | 2505                     | 2800            | 2625                     | 50            | 50           | 21400           | 2565                     | 3400            | 2685                     |
|                      | 25+100                        | 25           | 20775           | 2502.5                   | 2775            | 2622.5                   | 45            | 100          | 21350           | 2560                     | 3350            | 2680                     |
|                      |                               | 100          | 20850           | 2510                     | 2850            | 2630                     | 45            | 25           | 21425           | 2567.5                   | 3425            | 2687.5                   |
|                      | 50+75                         | 50           | 20800           | 2505                     | 2800            | 2625                     | 45            | 75           | 21375           | 2562.5                   | 3375            | 2682.5                   |
|                      |                               | 75           | 20825           | 2507.5                   | 2825            | 2627.5                   | 45            | 50           | 21400           | 2565                     | 3400            | 2685                     |
|                      | 50+100                        | 50           | 20800           | 2505                     | 2800            | 2625                     | 40            | 100          | 21350           | 2560                     | 3350            | 2680                     |
|                      |                               | 100          | 20850           | 2510                     | 2850            | 2630                     | 40            | 50           | 21400           | 2565                     | 3400            | 2685                     |
|                      | 75+75                         | 75           | 20825           | 2507.5                   | 2825            | 2627.5                   | 40            | 75           | 21375           | 2562.5                   | 3375            | 2682.5                   |
|                      | 75+100                        | 75           | 20825           | 2507.5                   | 2825            | 2627.5                   | 35            | 100          | 21350           | 2560                     | 3350            | 2680                     |
|                      |                               | 100          | 20850           | 2510                     | 2850            | 2630                     | 35            | 75           | 21375           | 2562.5                   | 3375            | 2682.5                   |
| Refsens <sup>2</sup> | 100+100                       | 100          | 20850           | 2510                     | 2850            | 2630                     | 30            | 100          | 21350           | 2560                     | 3350            | 2680                     |
|                      | 75+100                        | 75           | 21025           | 2527.5                   | 3025            | 2647.5                   | 15            | 100          | 21350           | 2560                     | 3350            | 2680                     |
|                      | 100+100                       | 100          | 21000           | 2525                     | 3000            | 2645                     | 15            | 100          | 21350           | 2560                     | 3350            | 2680                     |
|                      | 25+100                        | 25           | 20975           | 2522.5                   | 2975            | 2642.5                   | 25            | 100          | 21350           | 2560                     | 3350            | 2680                     |
|                      | 50+100                        | 50           | 21000           | 2525                     | 3000            | 2645                     | 20            | 100          | 21350           | 2560                     | 3350            | 2680                     |

Note 1: Carriers in increasing frequency order.

Note 2: Test point derived with regard to REFSENS requirements.

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## Test frequencies for CA\_41A-41A

| Test Frequency ID | CC-Combo /<br>NRB_agg<br>[RB] | CC1<br>Note1 |                    |                             | Wgap<br>[MHz] | CC2<br>Note1 |                    |                             |
|-------------------|-------------------------------|--------------|--------------------|-----------------------------|---------------|--------------|--------------------|-----------------------------|
|                   |                               | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] |               | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] |
| Max WGap          | 25+25                         | 25           | 39675              | 2498.5                      | 184           | 25           | 41565              | 2687.5                      |
|                   | 25+50                         | 25           | 39675              | 2498.5                      | 179           | 50           | 41540              | 2685                        |
|                   |                               | 50           | 39700              | 2501                        | 179           | 25           | 41565              | 2687.5                      |
|                   | 25+75                         | 25           | 39675              | 2498.5                      | 174           | 75           | 41515              | 2682.5                      |
|                   |                               | 75           | 39725              | 2503.5                      | 174           | 25           | 41565              | 2687.5                      |
|                   | 50+50                         | 50           | 39700              | 2501                        | 174           | 50           | 41540              | 2685                        |
|                   | 25+100                        | 25           | 39675              | 2498.5                      | 169           | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 169           | 25           | 41565              | 2687.5                      |
|                   | 50+75                         | 50           | 39700              | 2501                        | 169           | 75           | 41515              | 2682.5                      |
|                   |                               | 75           | 39725              | 2503.5                      | 169           | 50           | 41540              | 2685                        |
|                   | 50+100                        | 50           | 39700              | 2501                        | 164           | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 164           | 50           | 41540              | 2685                        |
|                   | 75+75                         | 75           | 39725              | 2503.5                      | 164           | 75           | 41515              | 2682.5                      |
|                   |                               | 75           | 39725              | 2503.5                      | 159           | 100          | 41490              | 2680                        |
|                   | 75+100                        | 75           | 39725              | 2503.5                      | 159           | 75           | 41515              | 2682.5                      |
|                   |                               | 100          | 39750              | 2506                        | 159           | 75           | 41515              | 2682.5                      |
|                   | 100+100                       | 100          | 39750              | 2506                        | 154           | 100          | 41490              | 2680                        |

Note 1: Carriers in increasing frequency order.

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## Test frequencies for CA\_41C-41A

| Test Frequency ID | CC-Combo /<br>NRB_agg<br>[RB] | CC1<br>Note1 |                    |                             | CC2<br>Note1 |                    |                             | Wgap<br>[MHz] | CC3<br>Note1 |                    |                             |
|-------------------|-------------------------------|--------------|--------------------|-----------------------------|--------------|--------------------|-----------------------------|---------------|--------------|--------------------|-----------------------------|
|                   |                               | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] |               | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] |
| Max WGap          | 25+25+100                     | 25           | 39683              | 2499.3                      | 100          | 39800              | 2511                        | 164           | 25           | 41565              | 2687.5                      |
|                   |                               | 100          | 39750              | 2506                        | 25           | 39867              | 2517.7                      | 164.05        | 25           | 41565              | 2687.5                      |
|                   | 25+50+100                     | 25           | 39683              | 2499.3                      | 100          | 39800              | 2511                        | 159           | 50           | 41540              | 2685                        |
|                   |                               | 50           | 39705              | 2501.5                      | 100          | 39849              | 2515.9                      | 159.1         | 25           | 41565              | 2687.5                      |
|                   |                               | 100          | 39750              | 2506                        | 25           | 39867              | 2517.7                      | 159.05        | 50           | 41540              | 2685                        |
|                   |                               | 100          | 39750              | 2506                        | 50           | 39894              | 2520.4                      | 159.1         | 25           | 41565              | 2687.5                      |
|                   | 25+75+75                      | 75           | 39725              | 2503.5                      | 75           | 39875              | 2518.5                      | 159           | 25           | 41565              | 2687.5                      |
|                   | 25+75+100                     | 25           | 39683              | 2499.3                      | 100          | 39800              | 2511                        | 154           | 75           | 41515              | 2682.5                      |
|                   |                               | 75           | 39728              | 2503.8                      | 100          | 39899              | 2520.9                      | 154.1         | 25           | 41565              | 2687.5                      |
|                   |                               | 100          | 39750              | 2506                        | 25           | 39867              | 2517.7                      | 154.05        | 75           | 41515              | 2682.5                      |
|                   |                               | 100          | 39750              | 2506                        | 75           | 39921              | 2523.1                      | 154.15        | 25           | 41565              | 2687.5                      |
|                   | 50+50+100                     | 50           | 39705              | 2501.5                      | 100          | 39849              | 2515.9                      | 154.1         | 50           | 41540              | 2685                        |
|                   |                               | 100          | 39750              | 2506                        | 50           | 39894              | 2520.4                      | 154.1         | 50           | 41540              | 2685                        |
|                   | 50+75+75                      | 75           | 39725              | 2503.5                      | 75           | 39875              | 2518.5                      | 154           | 50           | 41540              | 2685                        |
|                   |                               | 25           | 39683              | 2499.3                      | 100          | 39800              | 2511                        | 149           | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 25           | 39867              | 2517.7                      | 149.05        | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 100          | 39948              | 2525.8                      | 149.2         | 25           | 41565              | 2687.5                      |
|                   | 50+75+100                     | 50           | 39705              | 2501.5                      | 100          | 39849              | 2515.9                      | 149.1         | 75           | 41515              | 2682.5                      |
|                   |                               | 75           | 39728              | 2503.8                      | 100          | 39899              | 2520.9                      | 149.1         | 50           | 41540              | 2685                        |
|                   |                               | 100          | 39750              | 2506                        | 50           | 39894              | 2520.4                      | 149.1         | 75           | 41515              | 2682.5                      |
|                   |                               | 100          | 39750              | 2506                        | 75           | 39921              | 2523.1                      | 149.15        | 50           | 41540              | 2685                        |
|                   | 75+75+75                      | 75           | 39725              | 2503.5                      | 75           | 39875              | 2518.5                      | 149           | 75           | 41515              | 2682.5                      |
|                   | 50+100+100                    | 50           | 39705              | 2501.5                      | 100          | 39849              | 2515.9                      | 144.1         | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 50           | 39894              | 2520.4                      | 144.1         | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 100          | 39948              | 2525.8                      | 144.2         | 50           | 41540              | 2685                        |
|                   | 75+75+100                     | 75           | 39725              | 2503.5                      | 75           | 39875              | 2518.5                      | 144           | 100          | 41490              | 2680                        |
|                   |                               | 75           | 39728              | 2503.8                      | 100          | 39899              | 2520.9                      | 144.1         | 75           | 41515              | 2682.5                      |
|                   |                               | 100          | 39750              | 2506                        | 75           | 39921              | 2523.1                      | 144.15        | 75           | 41515              | 2682.5                      |
|                   | 75+100+100                    | 75           | 39728              | 2503.8                      | 100          | 39899              | 2520.9                      | 139.1         | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 75           | 39921              | 2523.1                      | 139.15        | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 100          | 39948              | 2525.8                      | 139.2         | 75           | 41515              | 2682.5                      |
|                   | 100+100+100                   | 100          | 39750              | 2506                        | 100          | 39948              | 2525.8                      | 134.2         | 100          | 41490              | 2680                        |

Note 1: Carriers in increasing frequency order.

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## Test frequencies for CA\_41A-41C

| Test Frequency ID | CC-Combo /<br>NRB_agg<br>[RB] | CC1<br>Note1 |                    |                             | Wgap<br>[MHz] | CC2<br>Note1 |                    |                             | CC3<br>Note1 |                    |                             |
|-------------------|-------------------------------|--------------|--------------------|-----------------------------|---------------|--------------|--------------------|-----------------------------|--------------|--------------------|-----------------------------|
|                   |                               | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] |               | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] |
| Max WGap          | 25+25+100                     | 25           | 39675              | 2498.5                      | 164.05        | 25           | 41373              | 2668.3                      | 100          | 41490              | 2680                        |
|                   |                               | 25           | 39675              | 2498.5                      | 164           | 100          | 41440              | 2675                        | 25           | 41557              | 2686.7                      |
|                   | 25+50+100                     | 25           | 39675              | 2498.5                      | 159.1         | 50           | 41346              | 2665.6                      | 100          | 41490              | 2680                        |
|                   |                               | 25           | 39675              | 2498.5                      | 159.1         | 100          | 41391              | 2670.1                      | 50           | 41535              | 2684.5                      |
|                   |                               | 50           | 39700              | 2501                        | 159.05        | 25           | 41373              | 2668.3                      | 100          | 41490              | 2680                        |
|                   |                               | 50           | 39700              | 2501                        | 159           | 100          | 41440              | 2675                        | 25           | 41557              | 2686.7                      |
|                   | 25+75+75                      | 25           | 39675              | 2498.5                      | 159           | 75           | 41365              | 2667.5                      | 75           | 41515              | 2682.5                      |
|                   | 25+75+100                     | 25           | 39675              | 2498.5                      | 154.15        | 75           | 41319              | 2662.9                      | 100          | 41490              | 2680                        |
|                   |                               | 25           | 39675              | 2498.5                      | 154.1         | 100          | 41341              | 2665.1                      | 75           | 41512              | 2682.2                      |
|                   |                               | 75           | 39725              | 2503.5                      | 154.05        | 25           | 41373              | 2668.3                      | 100          | 41490              | 2680                        |
|                   |                               | 75           | 39725              | 2503.5                      | 154           | 100          | 41440              | 2675                        | 25           | 41557              | 2686.7                      |
|                   | 50+50+100                     | 50           | 39700              | 2501                        | 154.1         | 50           | 41346              | 2665.6                      | 100          | 41490              | 2680                        |
|                   |                               | 50           | 39700              | 2501                        | 154.1         | 100          | 41391              | 2670.1                      | 50           | 41535              | 2684.5                      |
|                   | 25+100+100                    | 25           | 39675              | 2498.5                      | 149.2         | 100          | 41292              | 2660.2                      | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 149.05        | 25           | 41373              | 2668.3                      | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 149           | 100          | 41440              | 2675                        | 25           | 41557              | 2686.7                      |
|                   | 50+75+75                      | 50           | 39700              | 2501                        | 154           | 75           | 41365              | 2667.5                      | 75           | 41515              | 2682.5                      |
|                   | 50+75+100                     | 50           | 39700              | 2501                        | 149.15        | 75           | 41319              | 2662.9                      | 100          | 41490              | 2680                        |
|                   |                               | 50           | 39700              | 2501                        | 149.1         | 100          | 41341              | 2665.1                      | 75           | 41512              | 2682.2                      |
|                   |                               | 75           | 39725              | 2503.5                      | 149.1         | 50           | 41346              | 2665.6                      | 100          | 41490              | 2680                        |
|                   |                               | 75           | 39725              | 2503.5                      | 149.1         | 100          | 41391              | 2670.1                      | 50           | 41535              | 2684.5                      |
|                   | 75+75+75                      | 75           | 39725              | 2503.5                      | 149           | 75           | 41365              | 2667.5                      | 75           | 41515              | 2682.5                      |
|                   | 50+100+100                    | 50           | 39700              | 2501                        | 144.2         | 100          | 41292              | 2660.2                      | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 144.1         | 50           | 41346              | 2665.6                      | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 144.1         | 100          | 41391              | 2670.1                      | 50           | 41535              | 2684.5                      |
|                   | 75+75+100                     | 75           | 39725              | 2503.5                      | 144.15        | 75           | 41319              | 2662.9                      | 100          | 41490              | 2680                        |
|                   |                               | 75           | 39725              | 2503.5                      | 144.1         | 100          | 41341              | 2665.1                      | 75           | 41512              | 2682.2                      |
|                   |                               | 100          | 39750              | 2506                        | 144           | 75           | 41365              | 2667.5                      | 75           | 41515              | 2682.5                      |
|                   | 75+100+100                    | 75           | 39725              | 2503.5                      | 139.2         | 100          | 41292              | 2660.2                      | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 139.15        | 75           | 41319              | 2662.9                      | 100          | 41490              | 2680                        |
|                   |                               | 100          | 39750              | 2506                        | 139.1         | 100          | 41341              | 2665.1                      | 75           | 41512              | 2682.2                      |
|                   | 100+100+100                   | 100          | 39750              | 2506                        | 134.2         | 100          | 41292              | 2660.2                      | 100          | 41490              | 2680                        |

Note 1: Carriers in increasing frequency order.

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## Inter-band Downlink CA (two bands)

| E-UTRA CA Configuration | E-UTRA Bands | 1.4 MHz  | 3 MHz | 5 MHz | 10 MHz | 15 MHz | 20 MHz | Maximum aggregated bandwidth [MHz] | Bandwidth combination set |
|-------------------------|--------------|--|-------|-------|--------|--------|--------|------------------------------------|---------------------------|
| CA_2A-5A                | 2            |  |       | Yes   | Yes    | Yes    | Yes    | 30                                 | 0                         |
|                         | 5            |  |       | Yes   | Yes    |        |        |                                    |                           |
|                         | 2            |  |       | Yes   | Yes    |        |        | 20                                 | 1                         |
|                         | 5            |  |       | Yes   | Yes    |        |        |                                    |                           |
| CA_2A-12A               | 2            |  |       | Yes   | Yes    | Yes    | Yes    | 30                                 | 0                         |
|                         | 12           |  |       | Yes   | Yes    |        |        |                                    |                           |
|                         | 2            |  |       | Yes   | Yes    | Yes    | Yes    | 30                                 | 1                         |
|                         | 12           |  | Yes   | Yes   | Yes    |        |        |                                    |                           |
|                         | 2            |  |       | Yes   | Yes    |        |        | 20                                 | 2                         |
|                         | 12           |  |       | Yes   | Yes    |        |        |                                    |                           |
| CA_2A-12B               | 2            |  |       | Yes   | Yes    | Yes    | Yes    | 35                                 | 0                         |
|                         | 12           | See CA_12B Bandwidth Combination Set 0 in table 5.4.2A.1-1 |       |       |        |        |        |                                    |                           |
| CA_2A-17A               | 2            |  |       | Yes   | Yes    |        |        | 20                                 | 0                         |
|                         | 17           |  |       | Yes   | Yes    |        |        |                                    |                           |
| CA_4A-5A                | 4            |  |       | Yes   | Yes    |        |        | 20                                 | 0                         |
|                         | 5            |  |       | Yes   | Yes    |        |        |                                    |                           |
|                         | 4            |  |       | Yes   | Yes    | Yes    | Yes    | 30                                 | 1                         |
|                         | 5            |  |       | Yes   | Yes    |        |        |                                    |                           |
| CA_4A-12A               | 4            | Yes  | Yes   | Yes   | Yes    |        |        | 20                                 | 0                         |
|                         | 12           |  |       | Yes   | Yes    |        |        |                                    |                           |
|                         | 4            | Yes  | Yes   | Yes   | Yes    | Yes    | Yes    | 30                                 | 1                         |
|                         | 12           |  |       | Yes   | Yes    |        |        |                                    |                           |
|                         | 4            |  |       | Yes   | Yes    | Yes    | Yes    | 30                                 | 2                         |
|                         | 12           |  | Yes   | Yes   | Yes    |        |        |                                    |                           |
|                         | 4            |  |       | Yes   | Yes    |        |        | 20                                 | 3                         |
|                         | 12           |  |       | Yes   | Yes    |        |        |                                    |                           |
|                         | 4            |  |       | Yes   | Yes    | Yes    | Yes    | 30                                 | 4                         |
|                         | 12           |  |       | Yes   | Yes    |        |        |                                    |                           |
|                         | 4            |  |       | Yes   | Yes    | Yes    |        | 20                                 | 5                         |
|                         | 12           |  |       | Yes   |        |        |        |                                    |                           |
| CA_4A-12B               | 4            |  |       | Yes   | Yes    | Yes    | Yes    | 35                                 | 0                         |
|                         | 12           | See CA_12B Bandwidth Combination Set 0 in Table 5.4.2A.1-1 |       |       |        |        |        |                                    |                           |
| CA_4A-17A               | 4            |  |       | Yes   | Yes    |        |        | 20                                 | 0                         |
|                         | 17           |  |       | Yes   | Yes    |        |        |                                    |                           |
| CA_4A-7A                | 4            |  |       | Yes   | Yes    |        |        | 30                                 | 0                         |
|                         | 7            |  |       | Yes   | Yes    | Yes    | Yes    |                                    |                           |
|                         | 4            |  |       | Yes   | Yes    | Yes    | Yes    | 40                                 | 0                         |
|                         | 7            |  |       | Yes   | Yes    | Yes    | Yes    |                                    |                           |
| CA_5A-7A                | 5            | Yes  | Yes   | Yes   | Yes    |        |        | 30                                 | 0                         |
|                         | 7            |  |       |       | Yes    | Yes    | Yes    |                                    |                           |
|                         | 5            |  |       | Yes   | Yes    |        |        | 30                                 | 1                         |
|                         | 7            |  |       |       | Yes    | Yes    | Yes    |                                    |                           |
| CA_7A-12A               | 7            |  |       | Yes   | Yes    | Yes    | Yes    | 30                                 | 0                         |
|                         | 12           |  |       | Yes   | Yes    |        |        |                                    |                           |

## Note:

- For the inter-band CA combinations, Except CA\_4A-12A, CA\_4A-12B, CA\_4A-17A, B12/B17 cannot be PCC, other the listed bands above can be used as PCC or SCC.
- The channel spacing and aggregated channel bandwidth for CA are identical to the associated specification in 3GPP TS 36.101 V13.5.0 (2016-09).
- The reference test frequencies for CA refers to 3GPP TS 36.508 V13.1.0

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## 1.4 Test Specification

| Identity              | Document Title  |
|-----------------------|---|
| FCC 47CFR §2.1093     | Radiofrequency Radiation Exposure Evaluation: Portable Devices  |
| IEEE Std C95.1 – 1992 | IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.  |
| IEEE 1528-2013        | Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques |
| KDB 941225 D01        | 3G SAR Measurement Procedures v03r01  |
| KDB 941225 D05        | SAR for LTE Devices v02r05  |
| KDB 941225 D06        | Hotspot Mode SAR v02r01   |
| KDB 941225 D05A       | LTE Rel.10 KDB Inquiry Sheet v01r02   |
| KDB 248227 D01        | SAR Guidance for IEEE 802.11 Wi-Fi SAR v02r02   |
| KDB 616217 D04        | SAR for laptop and tablets v01r02   |
| KDB 648474 D04        | Handset SAR v01r03  |
| KDB 447498 D01        | General RF Exposure Guidance v06  |
| KDB 865664 D01        | SAR Measurement 100 MHz to 6 GHz v01r04   |
| KDB 865664 D02        | RF Exposure Reporting v01r02  |
| KDB 690783 D01        | SAR Listings on Grants v01r03   |

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## 1.5 RF exposure limits

| Human Exposure   | Uncontrolled Environment<br>General Population | Controlled Environment<br>Occupational |
|--|--|--|
| <b>Spatial Peak SAR*</b><br>(Brain*Trunk)              | <b>1.60 mW/g</b>                               | 8.00 mW/g                              |
| <b>Spatial Average SAR**</b><br>(Whole Body)           | 0.08 mW/g                                      | 0.40 mW/g                              |
| <b>Spatial Peak SAR***</b><br>(Hands/Feet/Ankle/Wrist) | 4.00 mW/g                                      | 20.00 mW/g                             |

### Notes:

\* The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time

\*\* The Spatial Average value of the SAR averaged over the whole body.

\*\*\* The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

**Uncontrolled Environments** are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

**Controlled Environments** are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation.)

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## 2 Laboratory Environment

|   |                           |
|---|---------------------------|
| Temperature   | Min. = 18°C, Max. = 25 °C |
| Relative humidity   | Min. = 30%, Max. = 70%    |
| Ground system resistance  | < 0.5 $\Omega$            |
| Ambient noise is checked and found very low and in compliance with requirement of standards.<br>Reflection of surrounding objects is minimized and in compliance with requirement of standards. |                           |

Table 2: The Ambient Conditions

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### 3 SAR Measurements System Configuration

### 3.1 The SAR Measurement System

This SAR Measurement System uses a Computer-controlled 3-D stepper motor system (SPEAG DASY5 professional system). A E-field probe is used to determine the internal electric fields. The SAR can be obtained from the equation  $SAR = \sigma (|E|/2) / \rho$  where  $\sigma$  and  $\rho$  are the conductivity and mass density of the tissue-Simulate.

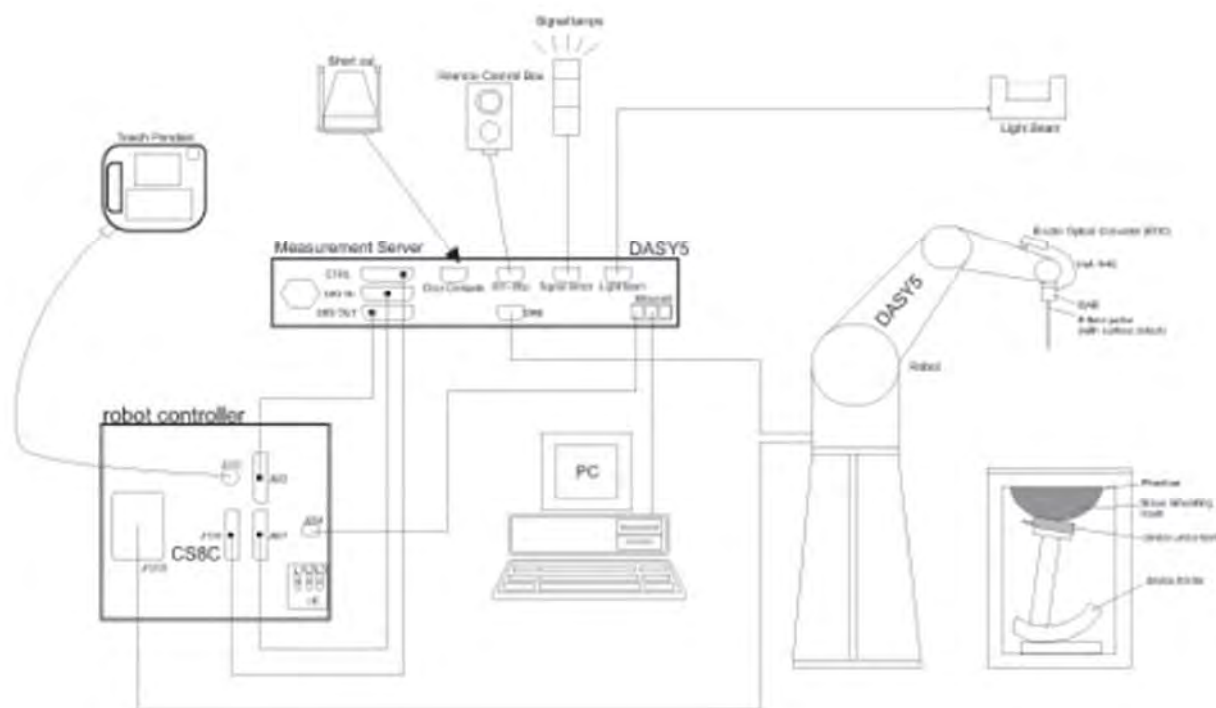
The DASY5 system for performing compliance tests consists of the following items:

A standard high precision 6-axis robot (Stabile RX family) with controller, teach pendant and software .An arm extension for accommodation the data acquisition electronics (DAE).

A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.

A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.



### F-1. SAR Measurement System Configuration


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- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
- A computer operating Windows 7.
- DASY5 software.
- Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- The SAM twin phantom enabling testing left-hand, right-hand and Body Worn usage.
- The device holder for handheld mobile phones.
- Tissue simulating liquid mixed according to the given recipes.
- Validation dipole kits allowing to validating the proper functioning of the system.

### 3.2 Isotropic E-field Probe EX3DV4


|  |   |
|--|---|
|  | Symmetrical design with triangular core<br>Built-in shielding against static charges<br>PEEK enclosure material (resistant to organic solvents, e.g., DGBE)   |
| <b>Calibration</b>   | ISO/IEC 17025 <a href="#">calibration service</a> available.  |
| <b>Frequency</b>   | 10 MHz to > 6 GHz<br>Linearity: $\pm 0.2$ dB (30 MHz to 6 GHz)  |
| <b>Directivity</b>   | $\pm 0.3$ dB in TSL (rotation around probe axis)<br>$\pm 0.5$ dB in TSL (rotation normal to probe axis)   |
| <b>Dynamic Range</b>   | 10 $\mu$ W/g to > 100 mW/g<br>Linearity: $\pm 0.2$ dB (noise: typically < 1 $\mu$ W/g)  |
| <b>Dimensions</b>  | Overall length: 337 mm (Tip: 20 mm)<br>Tip diameter: 2.5 mm (Body: 12 mm)<br>Typical distance from probe tip to dipole centers: 1 mm  |
| <b>Application</b>   | High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better 30%. |
| <b>Compatibility</b>   | DASY3, DASY4, DASY52 SAR and higher, EASY4/MRI  |

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### 3.3 Data Acquisition Electronics (DAE)

|                             |  |   |
|-----------------------------|--|---|
| <b>Model</b>                | DAE4   |  |
| <b>Construction</b>         | Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY4/5 embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop. |   |
| <b>Measurement Range</b>    | -100 to +300 mV (16 bit resolution and two range settings: 4mV,400mV)  |   |
| <b>Input Offset Voltage</b> | < 5μV (with auto zero)   |   |
| <b>Input Bias Current</b>   | < 50 f A   |   |
| <b>Dimensions</b>           | 60 x 60 x 68 mm  |   |

### 3.4 SAM Twin Phantom

|  |   |  |
|--|---|--|
| <b>Material</b>                          | Vinylester, glass fiber reinforced (VE-GF)                            |  |
| <b>Liquid Compatibility</b>              | Compatible with all SPEAG tissue simulating liquids (incl. DGBE type) |  |
| <b>Shell Thickness</b>                   | 2 ± 0.2 mm (6 ± 0.2 mm at ear point)                                  |  |
| <b>Dimensions (incl. Wooden Support)</b> | Length: 1000 mm<br>Width: 500 mm<br>Height: adjustable feet           |  |
| <b>Filling Volume</b>                    | approx. 25 liters   |  |
| <b>Wooden Support</b>                    | SPEAG standard phantom table  |  |

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209-1. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.

Twin SAM V5.0 has the same shell geometry and is manufactured from the same material as Twin SAM V4.0, but has reinforced top structure.

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### 3.5 ELI Phantom

|                             |   |
|-----------------------------|---|
| <b>Material</b>             | Vinylester, glass fiber reinforced (VE-GF)                            |
| <b>Liquid Compatibility</b> | Compatible with all SPEAG tissue simulating liquids (incl. DGBE type) |
| <b>Shell Thickness</b>      | 2.0 ± 0.2 mm (bottom plate)   |
| <b>Dimensions</b>           | Major axis: 600 mm<br>Minor axis: 400 mm                              |
| <b>Filling Volume</b>       | approx. 30 liters   |
| <b>Wooden Support</b>       | SPEAG standard phantom table  |



Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.

ELI V5.0 has the same shell geometry and is manufactured from the same material as ELI4, but has reinforced top structure.

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### 3.6 Device Holder for Transmitters



F-2. Device Holder for Transmitters

- The DASY device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation centres for both scales are the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.
- The DASY device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity  $\epsilon=3$  and loss tangent  $\delta=0.02$ . The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

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## 3.7 Measurement procedure

### 3.7.1 Scanning procedure

#### Step 1: Power reference measurement

The “reference” and “drift” measurements are located at the beginning and end of the batch process. They measure the field drift at one single point in the liquid over the complete procedure.

#### Step 2: Area scan

The SAR distribution at the exposed side of the head was measured at a distance of 4mm from the inner surface of the shell. The area covered the entire dimension of the head and the horizontal grid spacing was 15mm\*15mm or 12mm\*12mm or 10mm\*10mm. Based on the area scan data, the area of the maximum absorption was determined by spline interpolation.

#### Step 3: Zoom scan

Around this point, a volume of 32mm\*32mm\*30mm ( $f \leq 2\text{GHz}$ ), 30mm\*30mm\*30mm ( $f$  for 2-3GHz) and 24mm\*24mm\*22mm ( $f$  for 5-6GHz) was assessed by measuring 5x5x7 points ( $f \leq 2\text{GHz}$ ), 7x7x7 points ( $f$  for 2-3GHz) and 7x7x12 points ( $f$  for 5-6GHz). On this basis of this data set, the spatial peak SAR value was evaluated with the following procedure:

The data at the surface was extrapolated, since the centre of the dipoles is 2.0mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.2mm. (This can be variable. Refer to the probe specification). The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1g or 10g) were computed using the 3D-Spline interpolation algorithm. The volume was integrated with the trapezoidal algorithm. One thousand points were interpolated to calculate the average. All neighbouring volumes were evaluated until no neighboring volume with a higher average value was found.

The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements. Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std. 1528-2013.

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|  |  | $\leq 3 \text{ GHz}$  | $\geq 3 \text{ GHz}$   |
|--|--|---|--|
| Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface |  | $5 \pm 1 \text{ mm}$  | $\frac{1}{4} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$   |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location              |  | $30^\circ \pm 1^\circ$  | $20^\circ \pm 1^\circ$   |
| Maximum area scan spatial resolution: $\Delta x_{Area}$ , $\Delta y_{Area}$                            | $\leq 2 \text{ GHz: } \leq 15 \text{ mm}$<br>$2 - 3 \text{ GHz: } \leq 12 \text{ mm}$  |   | $3 - 4 \text{ GHz: } \leq 12 \text{ mm}$<br>$4 - 6 \text{ GHz: } \leq 10 \text{ mm}$   |
|  | When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device. |   |  |
| Maximum zoom scan spatial resolution: $\Delta x_{Zoom}$ , $\Delta y_{Zoom}$                            |  | $\leq 2 \text{ GHz: } \leq 8 \text{ mm}$<br>$2 - 3 \text{ GHz: } \leq 5 \text{ mm}^*$ | $3 - 4 \text{ GHz: } \leq 5 \text{ mm}^*$<br>$4 - 6 \text{ GHz: } \leq 4 \text{ mm}^*$   |
| Maximum zoom scan spatial resolution, normal to phantom surface  | uniform grid: $\Delta z_{Zoom}(n)$   |   | $3 - 4 \text{ GHz: } \leq 4 \text{ mm}$<br>$4 - 5 \text{ GHz: } \leq 3 \text{ mm}$<br>$5 - 6 \text{ GHz: } \leq 2 \text{ mm}$    |
|  | graded grid  | $\Delta z_{Zoom}(1)$ : between 1" two points closest to phantom surface               | $3 - 4 \text{ GHz: } \leq 3 \text{ mm}$<br>$4 - 5 \text{ GHz: } \leq 2.5 \text{ mm}$<br>$5 - 6 \text{ GHz: } \leq 2 \text{ mm}$  |
|  |  | $\Delta z_{Zoom}(n>1)$ : between subsequent points                                    | $\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$  |
| Minimum zoom scan volume   | x, y, z  | $\geq 30 \text{ mm}$  | $3 - 4 \text{ GHz: } \geq 28 \text{ mm}$<br>$4 - 5 \text{ GHz: } \geq 25 \text{ mm}$<br>$5 - 6 \text{ GHz: } \geq 22 \text{ mm}$ |

## Step 4: Power reference measurement (drift)

The Power Drift Measurement job measures the field at the same location as the most recent power reference measurement job within the same procedure, and with the same settings. The indicated drift is mainly the variation of the DUT's output power and should vary max.  $\pm 5 \%$

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### 3.7.2 Data Storage

The DASY software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files with the extension ".DAE4". The software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of incorrect parameter settings. For example, if a measurement has been performed with a wrong crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be re-evaluated. The measured data can be visualized or exported in different units or formats, depending on the selected probe type ([V/m], [A/m], [°C], [m W/g], [m W/cm²], [dBrel], etc.). Some of these units are not available in certain situations or show meaningless results, e.g., a SAR output in a lossless media will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

### 3.7.3 Data Evaluation by SEMCAD

The SEMCAD software automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

|                           |                |                      |
|---------------------------|----------------|----------------------|
| Probe parameters:         | - Sensitivity  | Normi, ai0, ai1, ai2 |
| - Conversion factor       | ConvFi         |                      |
| - Diode compression point | Dcpi           |                      |
| Device parameters:        | - Frequency    | f                    |
| - Crest factor            | cf             |                      |
| Media parameters:         | - Conductivity | ε                    |
| - Density                 | ρ              |                      |

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics.

If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power.

The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot cf / dcpi$$

With  $V_i$  = compensated signal of channel i (i = x, y, z)

$U_i$  = input signal of channel i (i = x, y, z)

cf = crest factor of exciting field (DASY parameter)

dcpi = diode compression point (DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

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E-field probes:

$$E_i = (V_i / \text{Norm}_i \cdot \text{ConvF})^{1/2}$$

H-field probes:

$$H_i = (V_i)^{1/2} \cdot (a_{i0} + a_{i1}f + a_{i2}f^2) / f$$

With  $V_i$  = compensated signal of channel  $i$  ( $i = x, y, z$ )

$\text{Norm}_i$  = sensor sensitivity of channel  $i$  ( $i = x, y, z$ )

[mV/(V/m)<sup>2</sup>] for E-field Probes

ConvF = sensitivity enhancement in solution

$a_{ij}$  = sensor sensitivity factors for H-field probes

$f$  = carrier frequency [GHz]

$E_i$  = electric field strength of channel  $i$  in V/m

$H_i$  = magnetic field strength of channel  $i$  in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{\text{tot}} = (E_x^2 + E_y^2 + E_z^2)^{1/2}$$

The primary field data are used to calculate the derived field units.

$$\text{SAR} = (E_{\text{tot}}^2 \cdot \sigma) / (\epsilon \cdot 1000)$$

with SAR = local specific absorption rate in mW/g

$E_{\text{tot}}$  = total field strength in V/m

$\sigma$  = conductivity in [mho/m] or [Siemens/m]

$\epsilon$  = equivalent tissue density in g/cm<sup>3</sup>

Note that the density is normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid. The power flow density is calculated assuming the excitation field to be a free space field.

$$P_{\text{pwe}} = E_{\text{tot}}^2 / 3770 \quad \text{or} \quad P_{\text{pwe}} = H_{\text{tot}}^2 \cdot 37.7$$

with  $P_{\text{pwe}}$  = equivalent power density of a plane wave in mW/cm<sup>2</sup>

$E_{\text{tot}}$  = total electric field strength in V/m

$H_{\text{tot}}$  = total magnetic field strength in A/m

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## 4 SAR measurement variability and uncertainty

### 4.1 SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz v01r04, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

1) Repeated measurement is not required when the original highest measured SAR is  $< 0.80$  W/kg; steps 2) through 4) do not apply.

2) When the original highest measured SAR is  $\geq 0.80$  W/kg, repeat that measurement once.

3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is  $> 1.20$  or when the original or repeated measurement is  $\geq 1.45$  W/kg ( $\sim 10\%$  from the 1-g SAR limit).

4) Perform a third repeated measurement only if the original, first or second repeated measurement is  $\geq 1.5$  W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ .

The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

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## 4.2 SAR measurement uncertainty

Per KDB865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is  $< 1.5$  W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.

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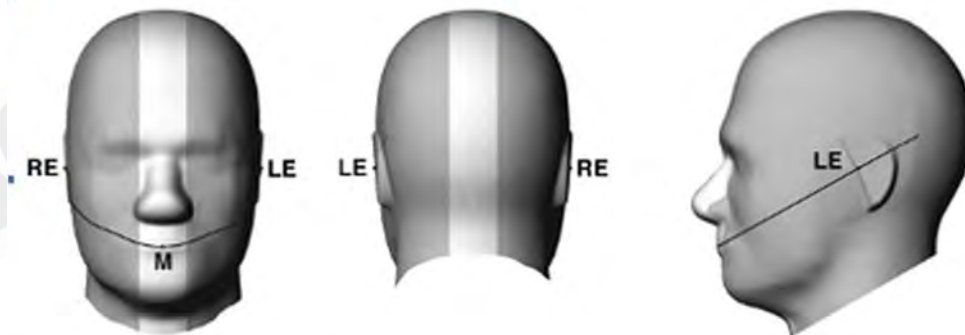
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## 5 Description of Test Position

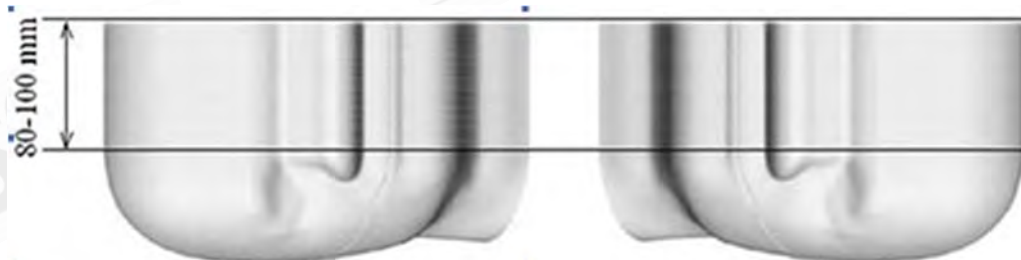
### 5.1 Head Exposure Condition

#### 5.1.1 SAM Phantom Shape

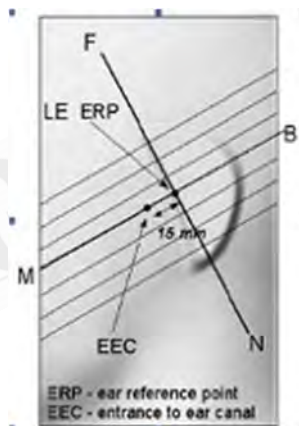


F-3. Front, back, and side views of SAM (model for the phantom shell). Full-head model is for illustration purposes only-procedures in this recommended practice are intended primarily for the phantom setup.

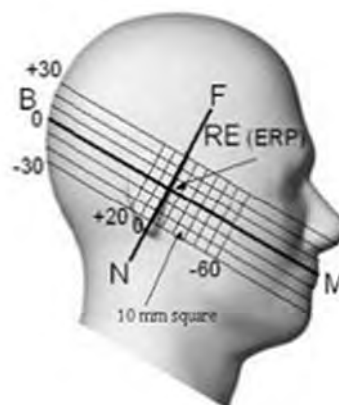
Note: The centre strip including the nose region has a different thickness tolerance.



F-4. Sagittally bisected phantom with extended perimeter (shown placed on its side as used for SAR measurements)



F-5. Close-up side view of phantom, showing the ear region, N-F and B-M lines, and seven cross-sectional plane locations



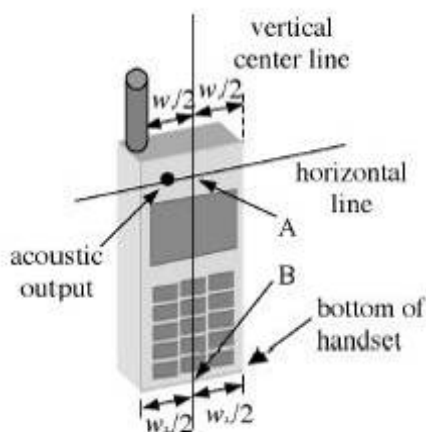
F-6. Side view of the phantom showing relevant markings and seven cross-sectional plane locations

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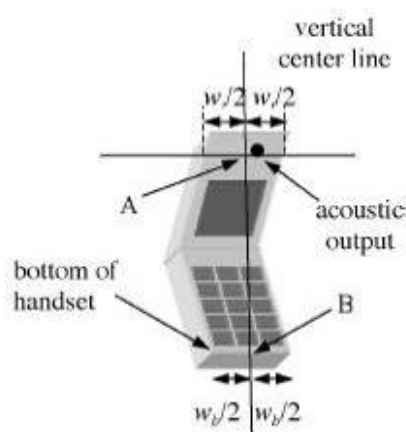
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### 5.1.2 EUT constructions



F-7. Handset vertical and horizontal reference lines-"fixed case"



F-8. Handset vertical and horizontal reference lines-"clam-shell case"

### 5.1.3 Definition of the "cheek" position

- Position the device with the vertical centre line of the body of the device and the horizontal line crossing the centre of the ear piece in a plane parallel to the sagittal plane of the phantom ("initial position"). While maintaining the device in this plane, align the vertical centre line with the reference plane containing the three ear and mouth reference points (M, RE and LE) and align the centre of the ear piece with the line RE-LE.
- Translate the mobile phone box towards the phantom with the ear piece aligned with the line LE-RE until telephone touches the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the box until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.

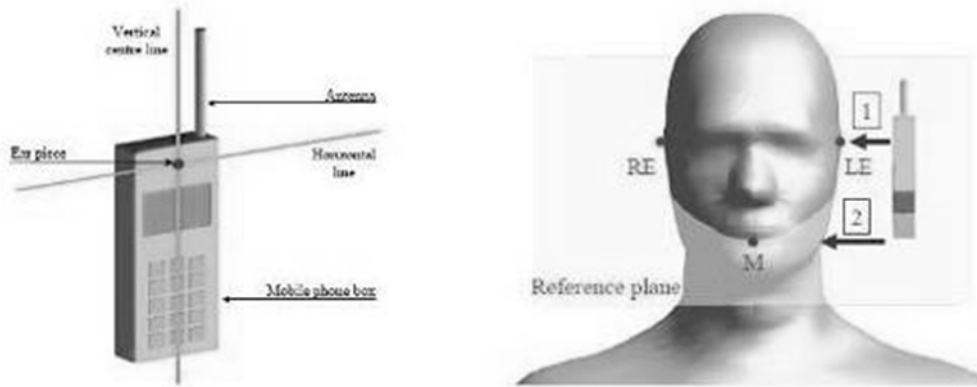
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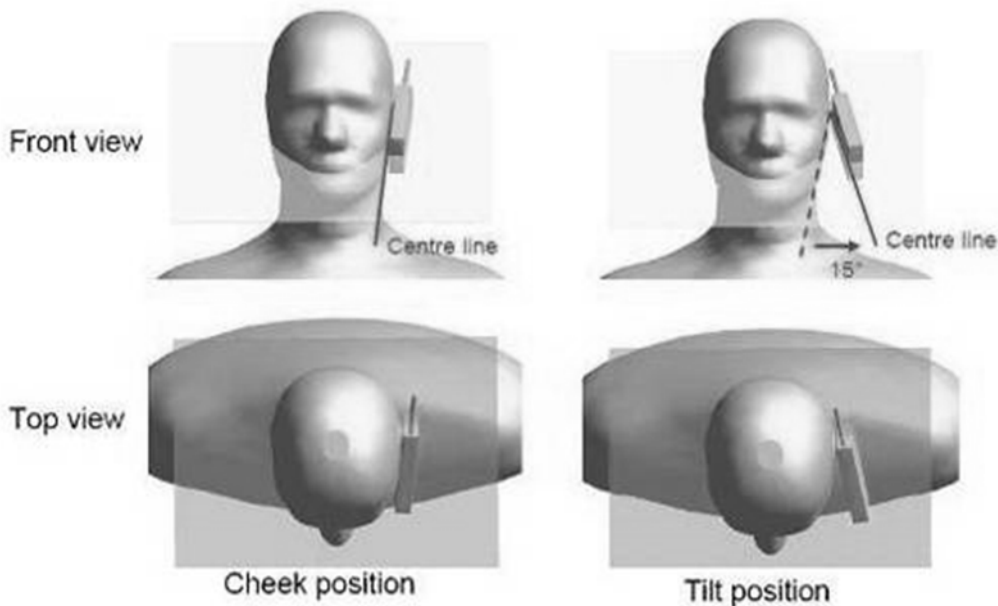
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## 5.1.4 Definition of the “tilted” position

- Position the device in the “cheek” position described above;
- While maintaining the device in the reference plane described above and pivoting against the ear, move it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.



F-9. Definition of the reference lines and points, on the phone and on the phantom and initial position



F-10. “Cheek” and “tilt” positions of the mobile phone on the left side

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## 5.2 Body Exposure Condition

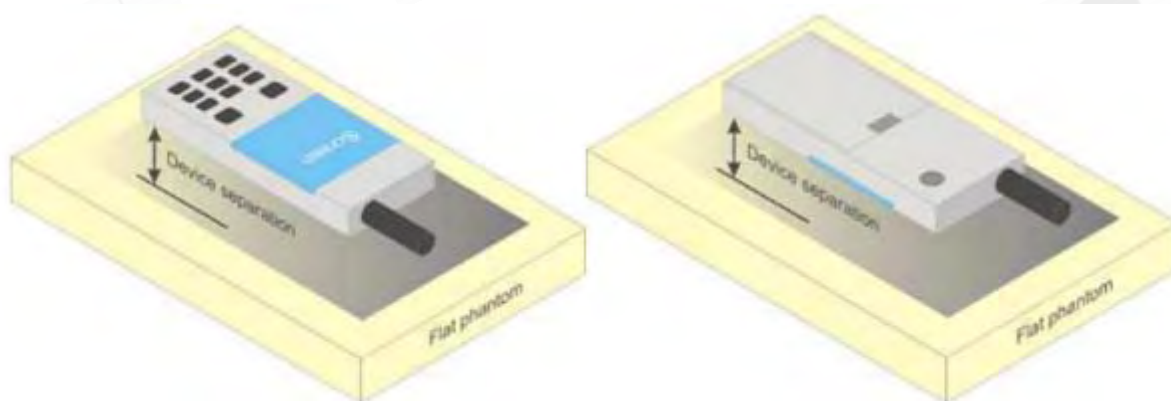
### 5.2.1 Body-worn accessory exposure conditions

Body-worn operating configurations should be tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in normal use configurations.

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration. Per FCC KDB Publication 648474 D04, Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is  $> 1.2 \text{ W/kg}$ , the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

Accessories for Body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

Body-worn accessories may not always be supplied or available as options for some devices intended to be authorized for body-worn use. In this case, a test configuration with a separation distance between the back of the device and the flat phantom is used. Test position spacing was documented. Transmitters that are designed to operate in front of a person's face, as in push-to-talk configurations, are tested for SAR compliance with the front of the device positioned to face the flat phantom in head fluid. For devices that are carried next to the body such as a shoulder, waist or chest-worn transmitters, SAR compliance is tested with the accessories, including headsets and microphones, attached to the device and positioned against a flat phantom in a normal use configuration.



F-11. Test positions for body-worn devices

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## 5.2.2 Wireless Router exposure conditions

Some battery-operated handsets have the capability to transmit and receive user data through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 where SAR test considerations for handsets ( $L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$ ) are based on a composite test separation distance of 10 mm from the front, back and edges of the device containing transmitting antennas within 2.5 cm of their edges, determined from general mixed use conditions for this type of devices. For devices with form factors smaller than 9 cm x 5 cm, a test separation distance of 5 mm is required.

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## 6 SAR System Verification Procedure

### 6.1 Tissue Simulate Liquid

#### 6.1.1 Recipes for Tissue Simulate Liquid

The following tables give the recipes for tissue simulating liquids to be used in different frequency bands:

| Ingredients<br>(% by weight)   | Frequency (MHz) |       |         |       |           |       |           |       |
|--|-----------------|-------|---------|-------|-----------|-------|-----------|-------|
|  | 450             |       | 700-835 |       | 1800-2000 |       | 2300-2700 |       |
| Tissue Type  | Head            | Body  | Head    | Body  | Head      | Body  | Head      | Body  |
| Water  | 38.56           | 51.16 | 40.30   | 50.75 | 55.24     | 70.17 | 55.00     | 68.53 |
| Salt (NaCl)  | 3.95            | 1.49  | 1.38    | 0.94  | 0.31      | 0.39  | 0.2       | 0.1   |
| Sucrose  | 56.32           | 46.78 | 57.90   | 48.21 | 0         | 0     | 0         | 0     |
| HEC  | 0.98            | 0.52  | 0.24    | 0     | 0         | 0     | 0         | 0     |
| Bactericide  | 0.19            | 0.05  | 0.18    | 0.10  | 0         | 0     | 0         | 0     |
| Tween  | 0               | 0     | 0       | 0     | 44.45     | 29.44 | 44.80     | 31.37 |
| Salt: 99+% Pure Sodium Chloride<br>Water: De-ionized, 16 MΩ <sup>+</sup> resistivity<br>Tween: Polyoxyethylene (20) sorbitan monolaurate |                 |       |         |       |           |       |           |       |
| HSL5GHz is composed of the following ingredients:<br>Water: 50-65%<br>Mineral oil: 10-30%<br>Emulsifiers: 8-25%<br>Sodium salt: 0-1.5%   |                 |       |         |       |           |       |           |       |
| MSL5GHz is composed of the following ingredients:<br>Water: 64-78%<br>Mineral oil: 11-18%<br>Emulsifiers: 9-15%<br>Sodium salt: 2-3%     |                 |       |         |       |           |       |           |       |

Table 3: Recipe of Tissue Simulate Liquid

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### 6.1.2 Measurement for Tissue Simulate Liquid

The dielectric properties for this Tissue Simulate Liquids were measured by using the Agilent Model 85070E Dielectric Probe in conjunction with Agilent E5071C Network Analyzer (300 KHz-8500 MHz). The Conductivity ( $\sigma$ ) and Permittivity ( $\rho$ ) are listed in bellow table. For the SAR measurement given in this report. The temperature variation of the Tissue Simulate Liquids was  $22\pm 2^{\circ}\text{C}$ .

| Tissue Type | Measured Frequency (MHz) | Target Tissue ( $\pm 5\%$ ) |                      | Measured Tissue |                      | Liquid Temp. ( $^{\circ}\text{C}$ ) | Measured Date |
|-------------|--------------------------|-----------------------------|----------------------|-----------------|----------------------|-------------------------------------|---------------|
|             |                          | $\epsilon_r$                | $\sigma(\text{S/m})$ | $\epsilon_r$    | $\sigma(\text{S/m})$ |                                     |               |
| 1900 Head   | 1900                     | 40.0<br>(38.00~42.00)       | 1.40<br>(1.33~1.47)  | 38.847          | 1.385                | 22.3                                | 2018/12/20    |
| 1900 Body   | 1900                     | 53.3<br>(50.64~55.97)       | 1.52<br>(1.44~1.60)  | 52.660          | 1.500                | 22.3                                | 2018/12/21    |
| 2600 Head   | 2600                     | 39.0<br>(37.05~40.95)       | 1.96<br>(1.86~2.06)  | 39.679          | 1.966                | 22.1                                | 2018/12/27    |
| 2600 Body   | 2600                     | 52.50<br>(49.88~55.13)      | 2.16<br>(2.05~2.27)  | 51.268          | 2.072                | 22.1                                | 2018/12/26    |

Table 4: Measurement result of Tissue electric parameters

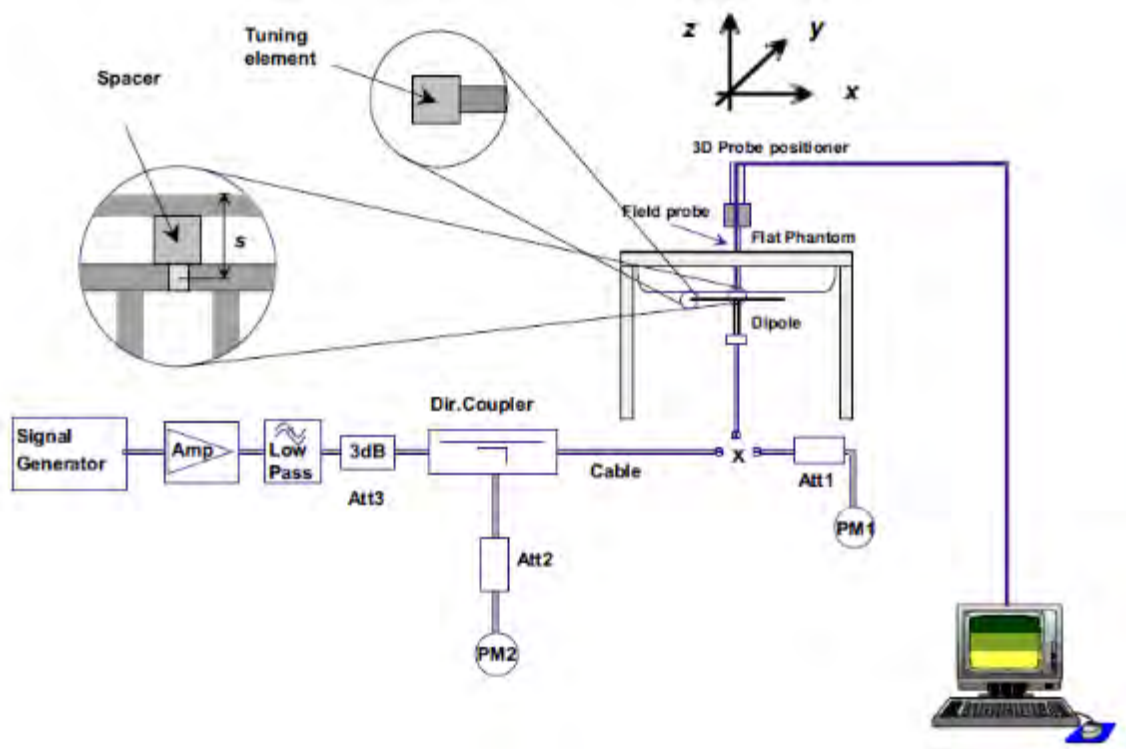
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## 6.2 SAR System Check

The microwave circuit arrangement for system check is sketched in bellow figure. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within  $\pm 10\%$  from the target SAR values. The tests were conducted on the same days as the measurement of the EUT. The obtained results from the system accuracy verification are displayed in the following table(A power level of 250mW (below 3GHz) or 100mW (3-6GHz) was input to the dipole antenna). During the tests, the ambient temperature of the laboratory was in the range  $22\pm 2^{\circ}\text{C}$ , the relative humidity was in the range 60% and the liquid depth above the ear reference points was above  $15\pm 0.5\text{ cm}$  in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



F-12. the microwave circuit arrangement used for SAR system check

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### 6.2.1 Justification for Extended SAR Dipole Calibrations

1) Referring to KDB865664 D01 requirements for dipole calibration, instead of the typical annual calibration recommended by measurement standards, longer calibration intervals of up to three years may be considered when it is demonstrated that the SAR target, impedance and return loss of a dipole have remain stable according to the following requirements. Each measured dipole is expected to evaluate with the following criteria at least on annual interval in Appendix C.

- a) There is no physical damage on the dipole;
- b) System check with specific dipole is within 10% of calibrated value;
- c) Return-loss is within 10% of calibrated measurement;
- d) Impedance is within  $5\Omega$  from the previous measurement.

2) Network analyzer probe calibration against air, distilled water and a shorting block performed before measuring liquid parameters.

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## 6.2.2 Summary System Check Result(s)

| Validation Kit |      | Measured SAR<br>250mW | Measured SAR<br>250mW | Measured SAR<br>(normalized<br>to 1W) | Measured SAR<br>(normalized<br>to 1W) | Target SAR<br>(normalized<br>to 1W)<br>(±10%) | Target SAR<br>(normalized<br>to 1W)<br>(±10%) | Liquid<br>Temp.<br>(°C) | Measured<br>Date |
|----------------|------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|---|---|-------------------------|------------------|
|                |      | 1g (W/kg)             | 10g (W/kg)            | 1g (W/kg)                             | 10g (W/kg)                            | 1-g(W/kg)                                     | 10-g(W/kg)                                    |                         |                  |
| D1900V2        | Head | 10.30                 | 5.31                  | 41.20                                 | 21.24                                 | 40.7<br>(36.63~44.77)                         | 21.1<br>(18.99~23.21)                         | 22.3                    | 2018/12/20       |
|                | Body | 10.20                 | 5.40                  | 40.80                                 | 21.60                                 | 41.6<br>(37.44~45.76)                         | 21.4<br>(19.26~23.54)                         | 22.3                    | 2018/12/21       |
| D2600V2        | Head | 14.00                 | 6.22                  | 56.00                                 | 24.88                                 | 56.6<br>(50.94~62.26)                         | 25.4<br>(22.86~27.94)                         | 22.1                    | 2018/12/27       |
|                | Body | 12.80                 | 5.77                  | 51.20                                 | 23.08                                 | 54.2<br>(48.78~59.62)                         | 24.3<br>(21.87~26.73)                         | 22.1                    | 2018/12/26       |

Table 5: SAR System Check Result

## 6.2.3 Detailed System Check Results

Please see the Appendix A

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## 7 Test Configuration

### 7.1 3G SAR Test Reduction Procedure

According to KDB 941225D01, in the following procedures, the mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is  $\leq \frac{1}{4}$  dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is  $\leq 1.2$  W/kg, SAR measurement is not required for the secondary mode. This is referred to as the 3G SAR test reduction procedure in the following SAR test guidance, where the primary mode is identified in the applicable wireless mode test procedures and the secondary mode is wireless mode being considered for SAR test reduction by that procedure. When the 3G SAR test reduction procedure is not satisfied, it is identified as "otherwise" in the applicable procedures; SAR measurement is required for the secondary mode.

### 7.2 Operation Configurations

#### 7.2.1 GSM Test Configuration

SAR tests for GSM 850 and GSM 1900, a communication link is set up with a base station by air link. Using CMU200 the power lever is set to "5" and "0" in SAR of GSM 850 and GSM 1900. The tests in the band of GSM 850 and GSM 1900 are performed in the mode of GPRS/EGPRS function. Since the GPRS class is 12 for this EUT, it has at most 4 timeslots in uplink and at most 4 timeslots in downlink, the maximum total timeslot is 5. The EGPRS class is 12 for this EUT, it has at most 4 timeslots in uplink, and at most 4 timeslots in downlink, the maximum total timeslot is 5.

SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.

When SAR tests for EGPRS mode is necessary, GMSK modulation should be used to minimize SAR measurement error due to higher peak-to-average power (PAR) ratios inherent in 8-PSK.

The 3G SAR test reduction procedure is applied to 8-PSK EDGE with GMSK GPRS/EDGE as the primary mode

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## 7.2.2 WCDMA Test Configuration

### 1) . Output Power Verification

Maximum output power is verified on the high, middle and low channels according to procedures described in section 5.2 of 3GPP TS 34.121, using the appropriate RMC or AMR with TPC (transmit power control) set to all "1's" for WCDMA/HSDPA or by applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HSDPA, HSPA) are required in the SAR report. All configurations that are not supported by the handset or cannot be measured due to technical or equipment limitations must be clearly identified.

### 2) . Head SAR

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for 12.2 kbps AMR in 3.4 kbps SRB (signaling radio bearer) using the highest reported SAR configuration in 12.2 kbps RMC for head exposure

### 3) . Body SAR

SAR for body configurations is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCHn configurations supported by the handset with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using an applicable RMC configuration with the corresponding spreading code or DPDCHn, for the highest reported body-worn accessory exposure SAR configuration in 12.2 kbps RMC. When more than 2 DPDCHn are supported by the handset, it may be necessary to configure additional DPDCHn using FTM (Factory Test Mode) or other chipset based test approaches with parameters similar to those used in 384 kbps and 768 kbps RMC.

### 4) . HSDPA / HSUPA / DC-HSDPA

According to KDB 941225 D01v03, RMC 12.2kbps setting is used to evaluate SAR. If the maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is  $\leq \frac{1}{4}$  dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is  $\leq 1.2$  W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA

#### a) HSDPA

HSDPA is configured according to the applicable UE category of a test device. The number of HS-DSCH/HS-PDSCHs, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission conditions, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4 ms and a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. DPCCH and DPDCH gain factors( $\beta_c$ ,  $\beta_d$ ), and HS-DPCCH power offset parameters ( $\Delta_{ACK}$ ,  $\Delta_{NACK}$ ,  $\Delta_{CQI}$ ) are set according to values indicated in the following table. The CQI value is determined by the UE category, transport block size, number of HS-PDSCHs and modulation used in the H-set.

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| Sub-test   | $\beta_c$ | Bd       | $\beta_d(\text{SF})$ | $\beta_c/\beta_d$ | $\beta_{hs}$ | CM(dB) | MPR (dB) |
|--|-----------|----------|----------------------|-------------------|--------------|--------|----------|
| 1  | 2/15      | 15/15    | 64                   | 2/15              | 4/15         | 0.0    | 0        |
| 2  | 12/15(3)  | 15/15(3) | 64                   | 12/15(3)          | 24/15        | 1.0    | 0        |
| 3  | 15/15     | 8/15     | 64                   | 15/8              | 30/15        | 1.5    | 0.5      |
| 4  | 15/15     | 4/15     | 64                   | 15/4              | 30/15        | 1.5    | 0.5      |
| <p>Note1: <math>\Delta\text{ACK}</math>, <math>\Delta\text{NACK}</math> and <math>\Delta\text{CQI}=8</math> Ahs = <math>\beta_{hs}/\beta_c=30/15</math> <math>\beta_{hs}=30/15*\beta_c</math><br/> Note2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1.A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, <math>\Delta\text{ACK}</math> and <math>\Delta\text{NACK}=8</math> ( Ahs=30/15) with <math>\beta_{hs}=30/15*\beta_c</math>, and <math>\Delta\text{CQI}=7</math> ( Ahs=24/15) with <math>\beta_{hs}=24/15*\beta_c</math>.<br/> Note3: CM=1 for <math>\beta_c/\beta_d=12/15</math>, <math>\beta_{hs}/\beta_c=24/15</math>. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.</p> |           |          |                      |                   |              |        |          |

The measurements were performed with a Fixed Reference Channel (FRC) and H-Set 1 QPSK.

| Parameter                        | Value       |
|----------------------------------|-------------|
| Nominal average inf. bit rate    | 534 kbit/s  |
| Inter-TTI Distance               | 3 TTI"s     |
| Number of HARQ Processes         | 2 Processes |
| Information Bit Payload          | 3202 Bits   |
| MAC-d PDU size                   | 336 Bits    |
| Number Code Blocks               | 1 Block     |
| Binary Channel Bits Per TTI      | 4800 Bits   |
| Total Available SMLs in UE       | 19200 SMLs  |
| Number of SMLs per HARQ Process  | 9600 SMLs   |
| Coding Rate                      | 0.67        |
| Number of Physical Channel Codes | 5           |

Table 6 : settings of required H-Set 1 QPSK acc. to 3GPP 34.121

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| HS-DSCH Category | Maximum HS-DSCH Codes Received | Minimum Inter-TTI Interval | Maximum H S-DSCH Transport Block Bits/HS-DSCH TTI | Total Soft Channel Bits |
|------------------|--------------------------------|----------------------------|---|-------------------------|
| 1                | 5                              | 3                          | 7298  | 19200                   |
| 2                | 5                              | 3                          | 7298  | 28800                   |
| 3                | 5                              | 2                          | 7298  | 28800                   |
| 4                | 5                              | 2                          | 7298  | 38400                   |
| 5                | 5                              | 1                          | 7298  | 57600                   |
| 6                | 5                              | 1                          | 7298  | 67200                   |
| 7                | 10                             | 1                          | 14411   | 115200                  |
| 8                | 10                             | 1                          | 14411   | 134400                  |
| 9                | 15                             | 1                          | 25251   | 172800                  |
| 10               | 15                             | 1                          | 27952   | 172800                  |
| 11               | 5                              | 2                          | 3630  | 14400                   |
| 12               | 5                              | 1                          | 3630  | 28800                   |
| 13               | 15                             | 1                          | 34800   | 259200                  |
| 14               | 15                             | 1                          | 42196   | 259200                  |
| 15               | 15                             | 1                          | 23370   | 345600                  |
| 16               | 15                             | 1                          | 27952   | 345600                  |

Table 7 : HSDPA UE category

**b) HSUPA**

Due to inner loop power control requirements in HSUPA, a commercial communication test set should be used for the output power and SAR tests. The 12.2 kbps RMC, FRC H-set 1 and E-DCH configurations for HSUPA should be configured according to the values indicated below as well as other applicable procedures described in the „WCDMA Handset“ and „Release 5 HSUPA Data Device“ sections of 3G device.

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| Sub-test <sup>⓪</sup>  | $\beta_c$ <sup>⓪</sup>            | $\beta_d$ <sup>⓪</sup>            | $\beta_d$ (SF) <sup>⓪</sup> | $\beta_c/\beta_d$ <sup>⓪</sup>    | $\beta_{hs}$ <sup>(1)</sup> <sup>⓪</sup> | $\beta_{ac}$ <sup>⓪</sup> | $\beta_{ad}$ <sup>⓪</sup>  | $\beta_c$ <sup>(⓪)</sup> (SF) <sup>⓪</sup> | $\beta_{ad}$ <sup>(⓪)</sup> (code) <sup>⓪</sup> | CM <sup>(2)</sup> <sup>⓪</sup> (dB) <sup>⓪</sup> | MP R <sup>(⓪)</sup> (dB) <sup>⓪</sup> | AG <sup>(4)</sup> <sup>⓪</sup> Inde <sup>(⓪)</sup> x <sup>⓪</sup> | E-TFC I <sup>⓪</sup> |
|--|-----------------------------------|-----------------------------------|-----------------------------|-----------------------------------|--|---------------------------|--|--|---|--|---------------------------------------|---|----------------------|
| 1 <sup>⓪</sup>   | 11/15 <sup>(3)</sup> <sup>⓪</sup> | 15/15 <sup>(3)</sup> <sup>⓪</sup> | 64 <sup>⓪</sup>             | 11/15 <sup>(3)</sup> <sup>⓪</sup> | 22/15 <sup>⓪</sup>                       | 209/225 <sup>⓪</sup>      | 1039/225 <sup>⓪</sup>  | 4 <sup>⓪</sup>                             | 1 <sup>⓪</sup>                                  | 1.0 <sup>⓪</sup>                                 | 0.0 <sup>⓪</sup>                      | 20 <sup>⓪</sup>   | 75 <sup>⓪</sup>      |
| 2 <sup>⓪</sup>   | 6/15 <sup>⓪</sup>                 | 15/15 <sup>⓪</sup>                | 64 <sup>⓪</sup>             | 6/15 <sup>⓪</sup>                 | 12/15 <sup>⓪</sup>                       | 12/15 <sup>⓪</sup>        | 94/75 <sup>⓪</sup>   | 4 <sup>⓪</sup>                             | 1 <sup>⓪</sup>                                  | 3.0 <sup>⓪</sup>                                 | 2.0 <sup>⓪</sup>                      | 12 <sup>⓪</sup>   | 67 <sup>⓪</sup>      |
| 3 <sup>⓪</sup>   | 15/15 <sup>⓪</sup>                | 9/15 <sup>⓪</sup>                 | 64 <sup>⓪</sup>             | 15/9 <sup>⓪</sup>                 | 30/15 <sup>⓪</sup>                       | 30/15 <sup>⓪</sup>        | $\beta_{ad1}:47/15$ <sup>⓪</sup><br>$\beta_{ad2}:47/15$ <sup>⓪</sup> | 4 <sup>⓪</sup>                             | 2 <sup>⓪</sup>                                  | 2.0 <sup>⓪</sup>                                 | 1.0 <sup>⓪</sup>                      | 15 <sup>⓪</sup>   | 92 <sup>⓪</sup>      |
| 4 <sup>⓪</sup>   | 2/15 <sup>⓪</sup>                 | 15/15 <sup>⓪</sup>                | 64 <sup>⓪</sup>             | 2/15 <sup>⓪</sup>                 | 4/15 <sup>⓪</sup>                        | 2/15 <sup>⓪</sup>         | 56/75 <sup>⓪</sup>   | 4 <sup>⓪</sup>                             | 1 <sup>⓪</sup>                                  | 3.0 <sup>⓪</sup>                                 | 2.0 <sup>⓪</sup>                      | 17 <sup>⓪</sup>   | 71 <sup>⓪</sup>      |
| 5 <sup>⓪</sup>   | 15/15 <sup>(4)</sup> <sup>⓪</sup> | 15/15 <sup>(4)</sup> <sup>⓪</sup> | 64 <sup>⓪</sup>             | 15/15 <sup>(4)</sup> <sup>⓪</sup> | 30/15 <sup>⓪</sup>                       | 24/15 <sup>⓪</sup>        | 134/15 <sup>⓪</sup>  | 4 <sup>⓪</sup>                             | 1 <sup>⓪</sup>                                  | 1.0 <sup>⓪</sup>                                 | 0.0 <sup>⓪</sup>                      | 21 <sup>⓪</sup>   | 81 <sup>⓪</sup>      |
| Note 1: $\Delta ACK$ , $\Delta NACK$ and $\Delta CQI = 8$ $A_{hs} = \beta_{hs}/\beta_c = 30/15$ $\beta_{hs} = 30/15 * \beta_c$<br>Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$ , $\beta_{hs}/\beta_c = 24/15$ . For all other combinations of DPDCH, DPCCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference <sup>⓪</sup><br>Note 3 : For subtest 1 the $\beta_c/\beta_d$ ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$ <sup>⓪</sup><br>Note 4 : For subtest 5 the $\beta_c/\beta_d$ ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 14/15$ and $\beta_d = 15/15$ <sup>⓪</sup><br>Note 5 : Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g <sup>⓪</sup><br>Note 6: $\beta_{ad}$ can not be set directly; it is set by Absolute Grant Value. <sup>⓪</sup> |                                   |                                   |                             |                                   |  |                           |  |  |   |  |                                       |   |                      |

Table 8 : Subtests for UMTS Release 6 HSUPA

| UE E-DCH Category   | Maximum E-DCH Codes Transmitted | Number of HARQ Processes | E-DCH TTI(ms) | Minimum Spreading Factor | Maximum E-DCH Transport Block Bits | Max Rate (Mbps) |
|---|---------------------------------|--------------------------|---------------|--------------------------|------------------------------------|-----------------|
| 1   | 1                               | 4                        | 10            | 4                        | 7110                               | 0.7296          |
| 2   | 2                               | 8                        | 2             | 4                        | 2798                               | 1.4592          |
|   | 2                               | 4                        | 10            | 4                        | 14484                              |                 |
| 3   | 2                               | 4                        | 10            | 4                        | 14484                              | 1.4592          |
| 4   | 2                               | 8                        | 2             | 2                        | 5772                               | 2.9185          |
|   | 2                               | 4                        | 10            | 2                        | 20000                              | 2.00            |
| 5   | 2                               | 4                        | 10            | 2                        | 20000                              | 2.00            |
| 6<br>(No DPDCH)   | 4                               | 8                        | 10            | 2SF2&2SF<br>4            | 11484                              | 5.76            |
|   | 4                               | 4                        | 2             |                          | 20000                              | 2.00            |
| 7<br>(No DPDCH)   | 4                               | 8                        | 2             | 2SF2&2SF<br>4            | 22996                              | ?               |
|   | 4                               | 4                        | 10            |                          | 20000                              | ?               |
| NOTE: When 4 codes are transmitted in parallel, two codes shall be transmitted with SF2 and two with SF4. UE categories 1 to 6 support QPSK only. UE category 7 supports QPSK and 16QAM.(TS25.306-7.3.0). |                                 |                          |               |                          |                                    |                 |

Table 9 : HSUPA UE category

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**c) DC-HSDPA**

SAR is required for Rel. 8 DC-HSDPA when SAR is required for Rel. 5 HSDPA; otherwise, the 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a Second serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable.

The following tests were completed according to procedures in section 7.3.13 of 3GPP TS 34.108 v9.5.0.

A summary of these settings are illustrated below:

Downlink Physical Channels are set as per 3GPP TS34.121-1 v9.0.0 E.5.0

**Table E.5.0: Levels for HSDPA connection setup**

| Parameter<br>During Connection setup | Unit | Value |
|--------------------------------------|------|-------|
| P-CPICH_Ec/Ior                       | dB   | -10   |
| P-CCPCH and SCH_Ec/Ior               | dB   | -12   |
| PICH_Ec/Ior                          | dB   | -15   |
| HS-PDSCH                             | dB   | off   |
| HS-SCCH_1                            | dB   | off   |
| DPCH_Ec/Ior                          | dB   | -5    |
| OCNS_Ec/Ior                          | dB   | -3.1  |

Call is set up as per 3GPP TS34.108 v9.5.0 sub clause 7.3.13.

The configurations of the fixed reference channels for HSDPA RF tests are described in 3GPP TS 34.121, annex C for FDD and 3GPP TS 34.122.

The measurements were performed with a Fixed Reference Channel (FRC) H-Set 12 with QPSK.

| Parameter                        | Value       |
|----------------------------------|-------------|
| Nominal average inf. bit rate    | 60 kbit/s   |
| Inter-TTI Distance               | 1 TTI's     |
| Number of HARQ Processes         | 6 Processes |
| Information Bit Payload          | 120 Bits    |
| Number Code Blocks               | 1 Block     |
| Binary Channel Bits Per TTI      | 960 Bits    |
| Total Available SMLs in UE       | 19200 SMLs  |
| Number of SMLs per HARQ Process  | 3200 SMLs   |
| Coding Rate                      | 0.15        |
| Number of Physical Channel Codes | 1           |

Table 10 : settings of required H-Set 12 QPSK acc. to 3GPP 34.121

**Note:**

1. The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table above.
2. Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.

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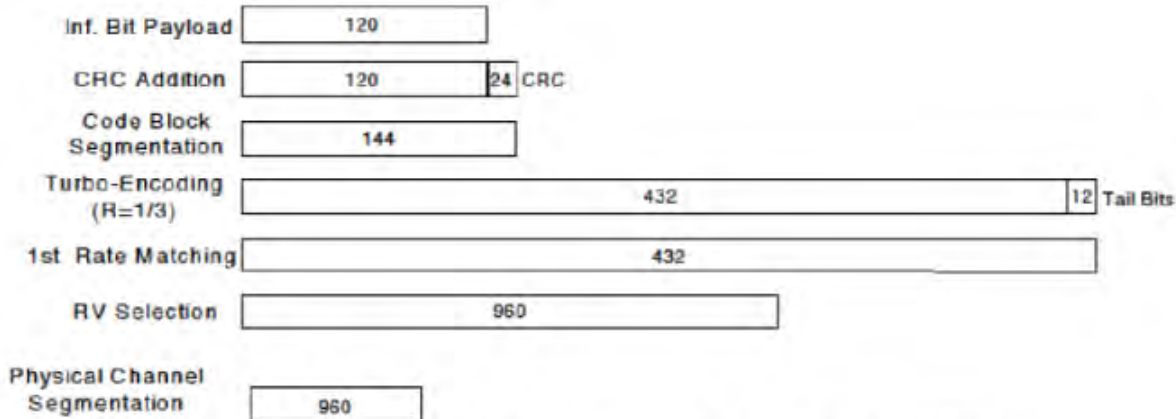


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

The following 4 Sub-tests for HSDPA were completed according to Release 5 procedures. A summary of subtest settings are illustrated below:

| Sub-test <sup>a</sup> | $\beta_c$ <sup>a</sup> | $\beta_d$ <sup>a</sup> | $\beta_d$ (SF) <sup>a</sup> | $\beta_c/\beta_d$ <sup>a</sup> | $\beta_{hs}(1)$ <sup>a</sup> | CM(dB)(2) <sup>a</sup> | MPR (dB) <sup>a</sup> |
|-----------------------|------------------------|------------------------|-----------------------------|--------------------------------|------------------------------|------------------------|-----------------------|
| 1 <sup>a</sup>        | 2/15 <sup>a</sup>      | 15/15 <sup>a</sup>     | 64 <sup>a</sup>             | 2/15 <sup>a</sup>              | 4/15 <sup>a</sup>            | 0.0 <sup>a</sup>       | 0 <sup>a</sup>        |
| 2 <sup>a</sup>        | 12/15(3) <sup>a</sup>  | 15/15(3) <sup>a</sup>  | 64 <sup>a</sup>             | 12/15(3) <sup>a</sup>          | 24/15 <sup>a</sup>           | 1.0 <sup>a</sup>       | 0 <sup>a</sup>        |
| 3 <sup>a</sup>        | 15/15 <sup>a</sup>     | 8/15 <sup>a</sup>      | 64 <sup>a</sup>             | 15/8 <sup>a</sup>              | 30/15 <sup>a</sup>           | 1.5 <sup>a</sup>       | 0.5 <sup>a</sup>      |
| 4 <sup>a</sup>        | 15/15 <sup>a</sup>     | 4/15 <sup>a</sup>      | 64 <sup>a</sup>             | 15/4 <sup>a</sup>              | 30/15 <sup>a</sup>           | 1.5 <sup>a</sup>       | 0.5 <sup>a</sup>      |

Note 1:  $\Delta$  ACK,  $\Delta$  NACK and  $\Delta$  CQI=8     $A_{hs} = \beta_{hs}/\beta_c = 30/15$      $\beta_{hs} = 30/15 * \beta_c$   
Note 2: CM=1 for  $\beta_c/\beta_d = 12/15$ ,  $\beta_{hs}/\beta_c = 24/15$ . For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.  
Note 3: For subtest 2 the  $\beta_c/\beta_d$  ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to  $\beta_c = 11/15$  and  $\beta_d = 15/15$

Up commands are set continuously to set the UE to Max power.

Note:

1. The Dual Carriers transmission only applies to HSDPA physical channels
2. The Dual Carriers belong to the same Node and are on adjacent carriers.
3. The Dual Carriers do not support MIMO to serve UEs configured for dual cell operation
4. The Dual Carriers operate in the same frequency band.
5. The device doesn't support the modulation of 16QAM in uplink but 64QAM in downlink for DC-HSDPA mode.
6. The device doesn't support carrier aggregation for it just can operate in Release 8.

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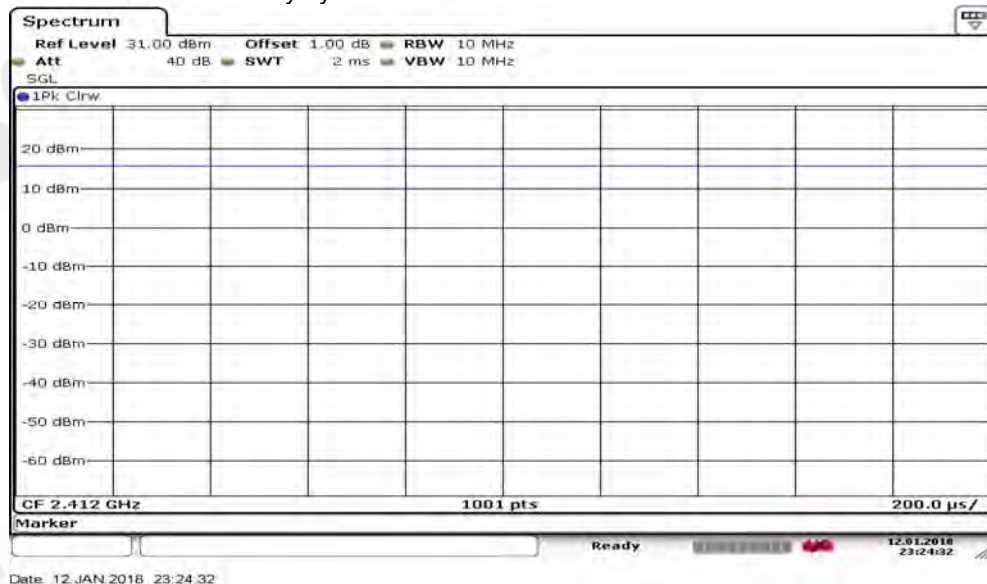
## 7.2.3 WiFi Test Configuration

A Wi-Fi device must be configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools for SAR measurement.

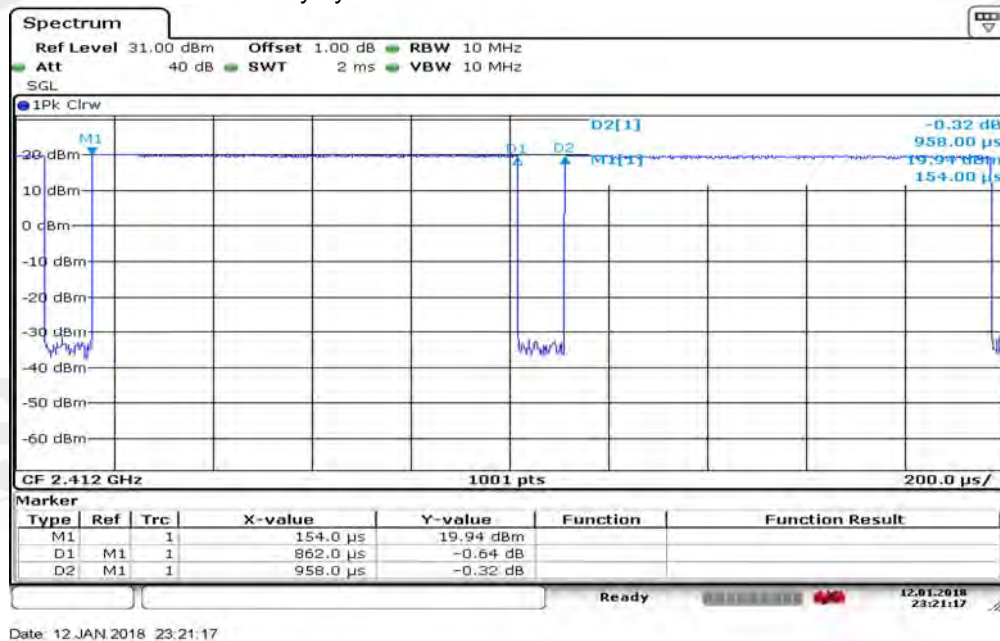
### 7.2.3.1 Duty cycle

1) 2.4GHz Wi-Fi 802.11b:

WIFI1 802.11b 1M: Duty cycle=100%



WIFI1 802.11b 11M: Duty cycle=0.862/0.958=89.98%

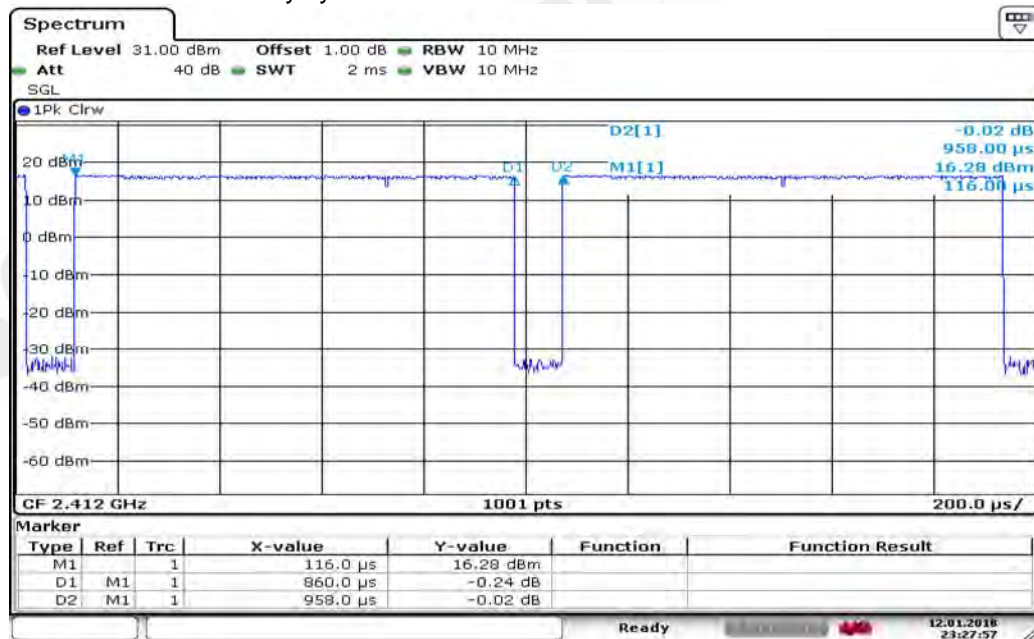


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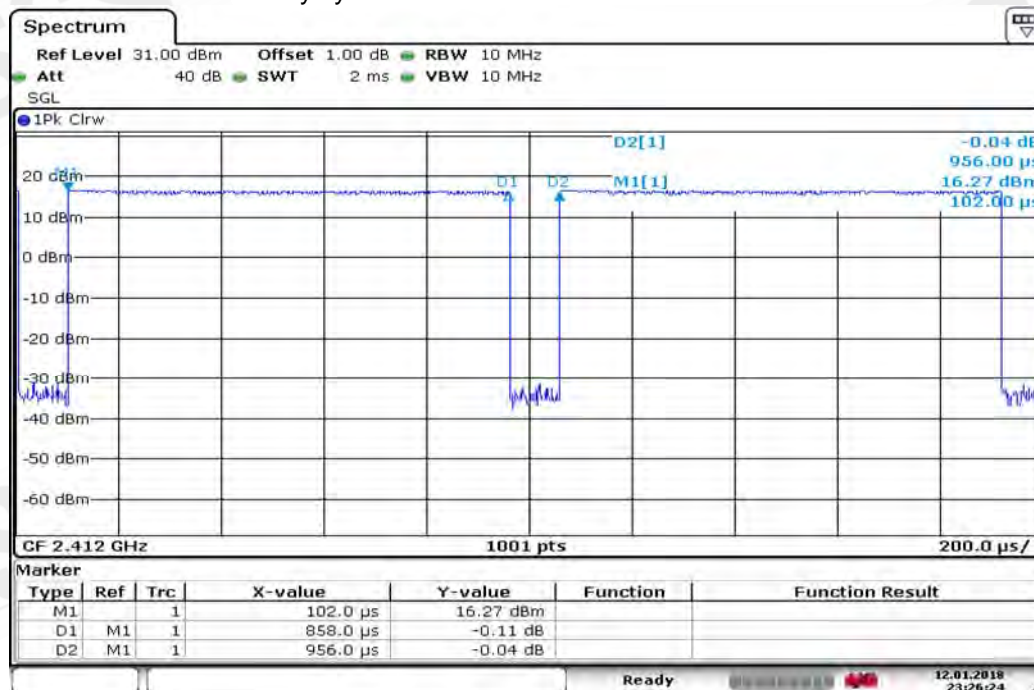
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WIFI2 802.11b 1M: Duty cycle=0.860/0.958=89.77%



Date: 12.JAN.2018 23:27:57

WIFI2 802.11b 11M: Duty cycle=0.858/0.956=89.75%



Date: 12.JAN.2018 23:26:24

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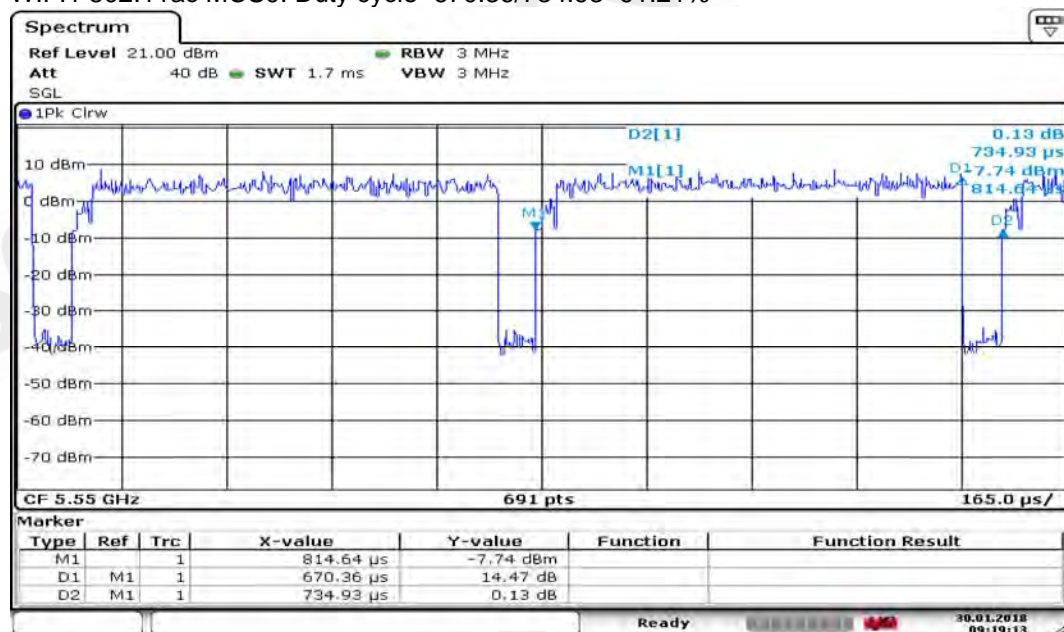
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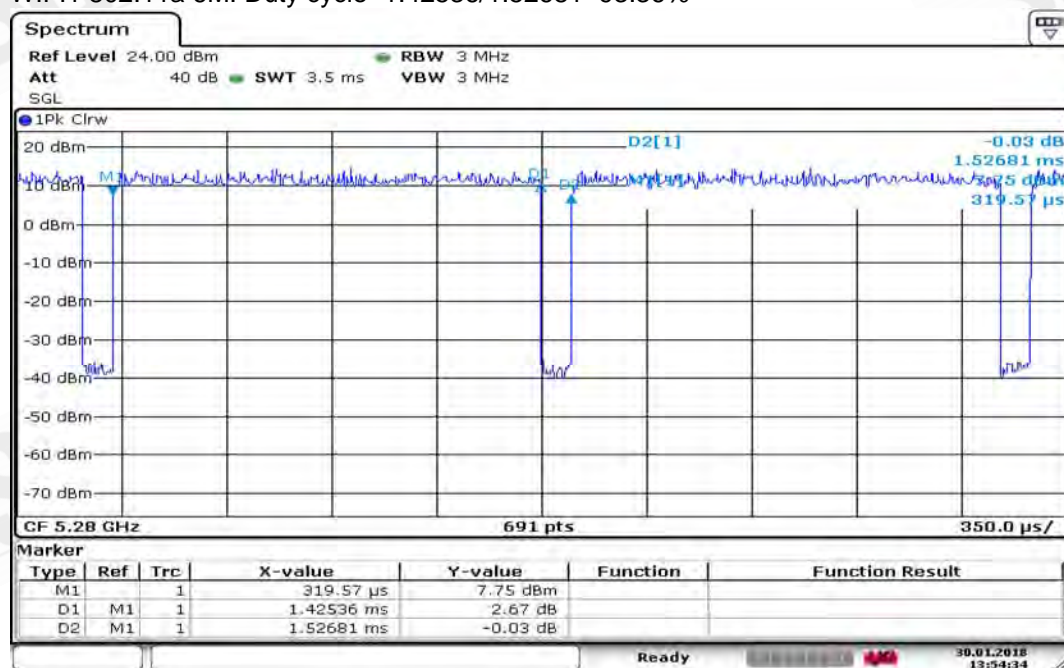
## 2) 5GHz Wi-Fi 802.11a:

WIFI1 802.11ac MCS0: Duty cycle=670.36/734.93=91.21%



Date: 30.JAN.2018 09:19:13

WIFI1 802.11a 6M: Duty cycle=1.42536/1.52681=93.36%



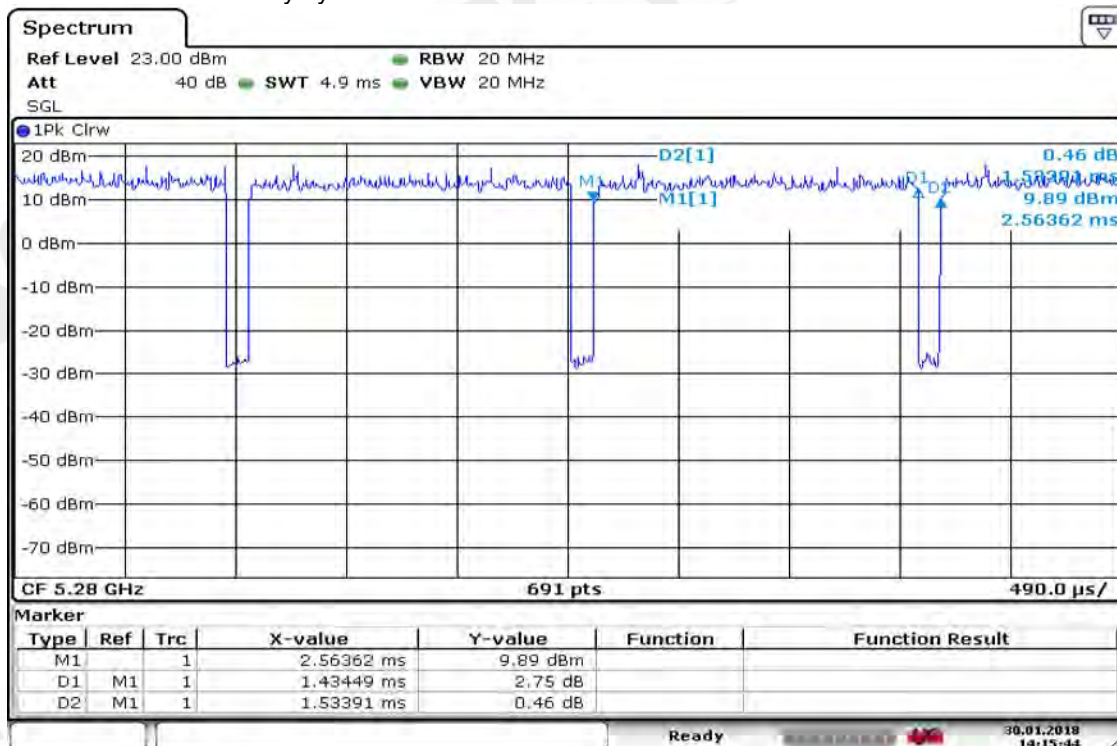
Date: 30.JAN.2018 13:54:34

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WIFI2 802.11a 6M: Duty cycle=1.43449/1.53391=93.52%



Date: 30. JAN 2018 14:15:45

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### 7.2.3.2 Initial Test Position SAR Test Reduction Procedure

DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures. The initial test position procedure is described in the following:

- 1) . When the reported SAR of the initial test position is  $\leq 0.4$  W/kg, further SAR measurement is not required for the other (remaining) test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band. SAR is also not required for that exposure configuration in the subsequent test configuration(s).
- 2) . When the reported SAR of the initial test position is  $> 0.4$  W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position using subsequent highest extrapolated or estimated 1-g SAR conditions determined by area scans or next closest/smallest test separation distance and maximum RF coupling test positions based on manufacturer justification, on the highest maximum output power channel, until the reported SAR is  $\leq 0.8$  W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.
- 3) . For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is  $> 0.8$  W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is  $\leq 1.2$  W/kg or all required channels are tested. a) Additional power measurements may be required for this step, which should be limited to those necessary for identifying the subsequent highest output power channels.

### 7.2.3.3 Initial Test Configuration Procedures

An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. SAR is measured using the highest measured maximum output power channel. For configurations with the same specified or measured maximum output power, additional transmission mode and test channel selection procedures are required. SAR test reduction for subsequent highest output test channels is determined according to *reported* SAR of the initial test configuration. For next to the ear, hotspot mode and UMC mini-tablet exposure configurations where multiple test positions are required, the initial test position procedure is applied to minimize the number of test positions required for SAR measurement using the initial test configuration transmission mode. For fixed exposure conditions that do not have multiple SAR test positions, SAR is measured in the transmission mode determined by the initial test configuration.

When the *reported* SAR of the initial test configuration is  $> 0.8$  W/kg, SAR measurement is required for subsequent next highest measured output power channel(s) in the initial test configuration until *reported* SAR is  $\leq 1.2$  W/kg or all required channels are tested.

### 7.2.3.4 Subsequent Test Configuration Procedures

SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. The initial test position procedure is applied to next to the ear, UMPC mini-tablet and hotspot mode configurations. When the same maximum output power is specified for multiple transmission modes, additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. The subsequent test configuration and SAR measurement procedures are described in the following.

- 1) . When SAR test exclusion provisions of KDB Publication 447498 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
- 2) . When the highest *reported* SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is

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adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, SAR is not required for that subsequent test configuration.

- 3) . The number of channels in the initial test configuration and subsequent test configuration can be different due to differences in channel bandwidth. When SAR measurement is required for a subsequent test configuration and the channel bandwidth is smaller than that in the initial test configuration, all channels in the subsequent test configuration that overlap with the larger bandwidth channel tested in the initial test configuration should be used to determine the highest maximum output power channel. This step requires additional power measurement to identify the highest maximum output power channel in the subsequent test configuration to determine SAR test reduction.
  - a) SAR should first be measured for the channel with highest measured output power in the subsequent test configuration.
  - b) SAR for subsequent highest measured maximum output power channels in the subsequent test configuration is required only when the *reported* SAR of the preceding higher maximum output power channel(s) in the subsequent test configuration is  $> 1.2$  W/kg or until all required channels are tested. i) For channels with the same measured maximum output power, SAR should be measured using the channel closest to the center frequency of the larger channel bandwidth channel in the initial test configuration.
- 4) . SAR measurements for the remaining highest specified maximum output power OFDM transmission mode configurations that have not been tested in the initial test configuration (highest maximum output) or subsequent test configuration(s) (subsequent next highest maximum output power) is determined by recursively applying the subsequent test configuration procedures in this section to the remaining configurations according to the following:
  - a) replace "subsequent test configuration" with "next subsequent test configuration" (i.e., subsequent next highest specified maximum output power configuration)
  - b) replace "initial test configuration" with "all tested higher output power configurations"

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### 7.2.3.5 2.4 GHz WiFi SAR Procedures

Separate SAR procedures are applied to DSSS and OFDM configurations in the 2.4 GHz band to simplify DSSS test requirements. For 802.11b DSSS SAR measurements, DSSS SAR procedure applies to fixed exposure test position and initial test position procedure applies to multiple exposure test positions. When SAR measurement is required for an OFDM configuration, the initial test configuration, subsequent test configuration and initial test position procedures are applied. The SAR test exclusion requirements for 802.11g/n OFDM configurations are described in following.

- **802.11b DSSS SAR Test Requirements**

SAR is measured for 2.4 GHz 802.11b DSSS using either a fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

- 1) . When the reported SAR of the highest measured maximum output power channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
- 2) . When the reported SAR is  $> 0.8$  W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is  $> 1.2$  W/kg, SAR is required for the third channel; i.e., all channels require testing.

- **2.4 GHz 802.11g/n OFDM SAR Test Exclusion Requirements**

When SAR measurement is required for 2.4 GHz 802.11g/n OFDM configurations, the measurement and test reduction procedures for OFDM are applied (section 5.3, including sub-sections). SAR is not required for the following 2.4 GHz OFDM conditions.

- 1) . When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration.
- 2) . When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg.

- **SAR Test Requirements for OFDM configurations**

When SAR measurement is required for 802.11 g/n OFDM configurations, each standalone and frequency aggregated band is considered separately for SAR test reduction. In applying the initial test configuration and subsequent test configuration procedures, the 802.11 transmission configuration with the highest specified maximum output power and the channel within a test configuration with the highest measured maximum output power should be clearly distinguished to apply the procedures.

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### 7.2.3.6 5 GHz WiFi SAR Procedures

- **U-NII-1 and U-NII-2A Bands**

For devices that operate in only one of the U-NII-1 and U-NII-2A bands, the normally required SAR procedures for OFDM configurations are applied. For devices that operate in both U-NII bands using the same transmitter and antenna(s), SAR test reduction is determined according to the following:

- 1) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, both bands are tested independently for SAR.
- 2) When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is  $\leq 1.2$  W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, both bands are tested independently for SAR.
- 3) The two U-NII bands may be aggregated to support a 160 MHz channel on channel number 50. Without additional testing, the maximum output power for this is limited to the lower of the maximum output power certified for the two bands. When SAR measurement is required for at least one of the bands and the highest reported SAR adjusted by the ratio of specified maximum output power of aggregated to standalone band is  $> 1.2$  W/kg, SAR is required for the 160 MHz channel. This procedure does not apply to an aggregated band with maximum output higher than the standalone band(s); the aggregated band must be tested independently for SAR. SAR is not required when the 160 MHz channel is operating at a reduced maximum power and also qualifies for SAR test exclusion.

- **U-NII-2C and U-NII-3 Bands**

The frequency range covered by these bands is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. When Terminal Doppler Weather Radar (TDWR) restriction applies, all channels that operate at 5.60 – 5.65 GHz must be included to apply the SAR test reduction and measurement procedures.

When the same transmitter and antenna(s) are used for U-NII-2C band and U-NII-3 band or 5.8 GHz band of §15.247, the bands may be aggregated to enable additional channels with 20, 40 or 80 MHz bandwidth to span across the band gap, as illustrated in Appendix B. The maximum output power for the additional band gap channels is limited to the lower of those certified for the bands. Unless band gap channels are permanently disabled, they must be considered for SAR testing. The frequency range covered by these bands is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. To maintain SAR measurement accuracy and to facilitate test reduction, the channels in U-NII-2C band above 5.65 GHz may be grouped with the 5.8 GHz channels in U-NII-3 or §15.247 band to enable two SAR probe calibration frequency points to cover the bands, including the band gap channels. When band gap channels are supported and the bands are not aggregated for SAR testing, band gap channels must be considered independently in each band according to the normally required OFDM SAR measurement and probe calibration frequency points requirements.

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- **OFDM Transmission Mode SAR Test Configuration and Channel Selection Requirements**

The initial test configuration for 5 GHz OFDM transmission modes is determined by the 802.11 configuration with the highest maximum output power specified for production units, including tune-up tolerance, in each standalone and aggregated frequency band. SAR for the initial test configuration is measured using the highest maximum output power channel determined by the default power measurement procedures. When multiple configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined according to the following steps applied sequentially.

- 1) The largest channel bandwidth configuration is selected among the multiple configurations with the same specified maximum output power.
- 2) If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.
- 3) If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.
- 4) When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n.

After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following. These channel selection procedures apply to both the initial test configuration and subsequent test configuration(s), with respect to the default power measurement procedures or additional power measurements required for further SAR test reduction. The same procedures also apply to subsequent highest output power channel(s) selection.

- a) The channel closest to mid-band frequency is selected for SAR measurement.
- b) For channels with equal separation from mid-band frequency; for example, high and low channels or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

- **SAR Test Requirements for OFDM configurations**

When SAR measurement is required for 802.11 a/n/ac OFDM configurations, each standalone and frequency aggregated band is considered separately for SAR test reduction. When the same transmitter and antenna(s) are used for U-NII-1 and U-NII-2A bands, additional SAR test reduction applies. When band gap channels between U-NII-2C band and 5.8 GHz U-NII-3 or §15.247 band are supported, the highest maximum output power transmission mode configuration and maximum output power channel across the bands must be used to determine SAR test reduction, according to the initial test configuration and subsequent test configuration requirements. In applying the initial test configuration and subsequent test configuration procedures, the 802.11 transmission configuration with the highest specified maximum output power and the channel within a test configuration with the highest measured maximum output power should be clearly distinguished to apply the procedures.

### 7.2.3.7 WiFi CDD/MIMO SAR Considerations

Per KDB 248227D01v02r01, simultaneous transmission provisions in KDB Publication 447498 should be used to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1-g SAR single transmission SAR measurement is <1.6W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

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## 7.2.4 LTE Test Configuration

LTE modes were tested according to FCC KDB 941225 D05 publication. Please see notes after the tabulated SAR data for required test configurations. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. The R&S CMW500 was used for LTE output power measurements and SAR testing. Max power control was used so the UE transmits with maximum output power during SAR testing. SAR must be measured with the maximum TTI (transmit time interval) supported by the device in each LTE configuration.

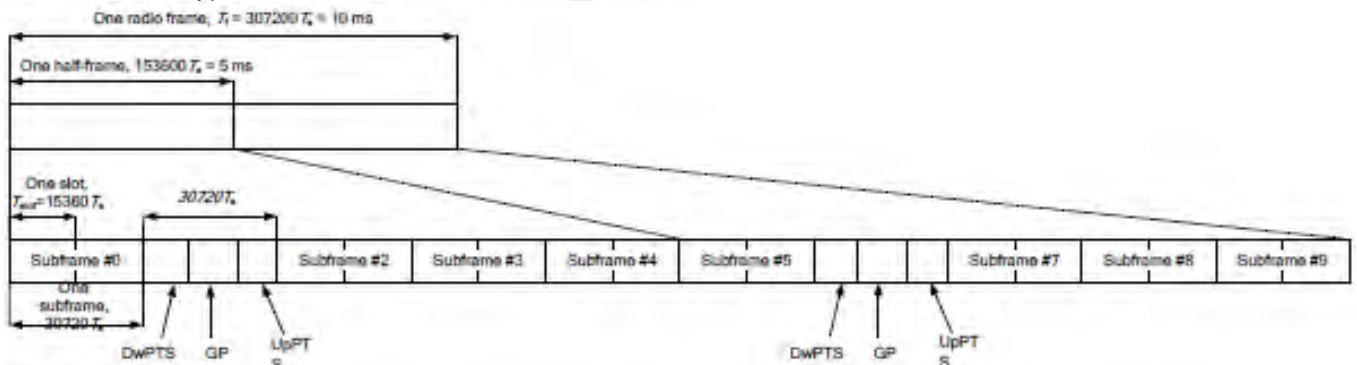
### TDD LTE test consideration

For Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7.

LTE TDD Band support 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special subframe configurations.

Frame structure type 2:



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### Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

| Special subframe configuration | Normal cyclic prefix in downlink |                                |                                  | Extended cyclic prefix in downlink |                                |                                  |
|--------------------------------|----------------------------------|--------------------------------|----------------------------------|------------------------------------|--------------------------------|----------------------------------|
|                                | DwPTS                            | UpPTS                          |                                  | DwPTS                              | UpPTS                          |                                  |
|                                |                                  | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |                                    | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |
| 0                              | 6592.Ts                          | 2192.Ts                        | 2560.Ts                          | 7680.Ts                            | 2192.Ts                        | 2560.Ts                          |
| 1                              | 19760.Ts                         |                                |                                  | 20480.Ts                           |                                |                                  |
| 2                              | 21952.Ts                         |                                |                                  | 23040.Ts                           |                                |                                  |
| 3                              | 24144.Ts                         |                                |                                  | 25600.Ts                           |                                |                                  |
| 4                              | 26336.Ts                         |                                |                                  | 7680.Ts                            |                                |                                  |
| 5                              | 6592.Ts                          | 4384.Ts                        | 5120.Ts                          | 20480.Ts                           | 4384.Ts                        | 5120.Ts                          |
| 6                              | 19760.Ts                         |                                |                                  | 23040.Ts                           |                                |                                  |
| 7                              | 21952.Ts                         |                                |                                  | 25600.Ts                           |                                |                                  |
| 8                              | 24144.Ts                         |                                |                                  | -                                  |                                |                                  |
| 9                              | 13168.Ts                         |                                |                                  | -                                  |                                |                                  |

### Uplink-downlink configurations.

| Uplink-downlink configuration | Downlink-to-Uplink Switch-point periodicity | Subframe number |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|-----------------|---|---|---|---|---|---|---|---|---|
|                               |   | 0               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0                             | 5 ms  | D               | S | U | U | U | D | S | U | U | U |
| 1                             | 5 ms  | D               | S | U | U | D | D | S | U | U | D |
| 2                             | 5 ms  | D               | S | U | D | D | D | S | U | D | D |
| 3                             | 10 ms                                       | D               | S | U | U | U | D | D | D | D | D |
| 4                             | 10 ms                                       | D               | S | U | U | D | D | D | D | D | D |
| 5                             | 10 ms                                       | D               | S | U | D | D | D | D | D | D | D |
| 6                             | 5 ms  | D               | S | U | U | U | D | S | U | U | D |

### Calculated Duty Cycle=[Extended cyclic prefix in uplink x (Ts) x # of S + # of U]/10ms

| Uplink-Downlink Configuration | Downlink-to-Uplink Switch-point Periodicity | Subframe Number |   |   |   |   |   |   |   |   |   | Calculated Duty Cycle (%) |
|-------------------------------|---|-----------------|---|---|---|---|---|---|---|---|---|---------------------------|
|                               |   | 0               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                           |
| 0                             | 5 ms  | D               | S | U | U | U | D | S | U | U | U | 63.33                     |
| 1                             | 5 ms  | D               | S | U | U | D | D | S | U | U | D | 43.33                     |
| 2                             | 5 ms  | D               | S | U | D | D | D | S | U | D | D | 23.33                     |
| 3                             | 10 ms                                       | D               | S | U | U | U | D | D | D | D | D | 31.67                     |
| 4                             | 10 ms                                       | D               | S | U | U | D | D | D | D | D | D | 21.67                     |
| 5                             | 10 ms                                       | D               | S | U | D | D | D | D | D | D | D | 11.67                     |
| 6                             | 5 ms  | D               | S | U | U | U | D | S | U | U | D | 53.33                     |

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**A) Spectrum Plots for RB Configurations**

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

**B) MPR**

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

**C) A-MPR**

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

**D) Largest channel bandwidth standalone SAR test requirements****1) QPSK with 1 RB allocation**

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is  $\leq 0.8$  W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is  $> 1.45$  W/kg, SAR is required for all three RB offset configurations for that required test channel.

**2) QPSK with 50% RB allocation**

The procedures required for 1 RB allocation in 1) are applied to measure the SAR for QPSK with 50% RB allocation.

**3) QPSK with 100% RB allocation**

For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 1) and 2) are  $\leq 0.8$  W/kg. Otherwise, SAR is measured for the highest output power channel and if the reported SAR is  $> 1.45$  W/kg, the remaining required test channels must also be tested.

**4) Higher order modulations**

For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in above sections to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is  $> \frac{1}{2}$  dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is  $> 1.45$  W/kg.

**E) Other channel bandwidth standalone SAR test requirements**

For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section A) to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is  $> \frac{1}{2}$  dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is  $> 1.45$  W/kg.

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## 8 Test Result

### 8.1 Measurement of RF Conducted Power

#### 8.1.1 Conducted Power of Main Antenna

##### 8.1.1.1 Conducted Power of GSM

| GSM 850 Full Power      |            |              |              |              |             |                  |                                 |              |              |              |
|-------------------------|------------|--------------|--------------|--------------|-------------|------------------|---------------------------------|--------------|--------------|--------------|
| Burst Output Power(dBm) |            |              |              |              | Tune up     | Division Factors | Frame-Average Output Power(dBm) |              |              | Tune up      |
| Channel                 |            | 128          | 190          | 251          |             |                  | 128                             | 190          | 251          |              |
| GSM(GMSK)               | GSM        | <b>32.38</b> | <b>32.57</b> | <b>32.49</b> | 33.8        | -9.19            | 23.19                           | 23.38        | 23.3         | 24.61        |
| GPRS/EGPRS (GMSK)       | 1 TX Slot  | 32.41        | 32.57        | 32.53        | 33.8        | -9.19            | 23.22                           | 23.38        | 23.34        | 24.61        |
|                         | 2 TX Slots | <b>30.50</b> | <b>30.64</b> | <b>30.53</b> | <b>31.8</b> | <b>-6.18</b>     | <b>24.32</b>                    | <b>24.46</b> | <b>24.35</b> | <b>25.62</b> |
|                         | 3 TX Slots | 28.40        | 28.55        | 28.51        | 29.8        | -4.42            | 23.98                           | 24.13        | 24.09        | 25.38        |
|                         | 4 TX Slots | 26.24        | 26.46        | 26.41        | 27.8        | -3.17            | 23.07                           | 23.29        | 23.24        | 24.63        |
| EGPRS(8PSK)             | 1 TX Slot  | 27.04        | 27.13        | 27.16        | 27.8        | -9.19            | 17.85                           | 17.94        | 17.97        | 18.61        |
|                         | 2 TX Slots | 25.20        | 25.32        | 25.33        | 25.8        | -6.18            | 19.02                           | 19.14        | 19.15        | 19.62        |
|                         | 3 TX Slots | 22.79        | 22.98        | 22.93        | 23.8        | -4.42            | 18.37                           | 18.56        | 18.51        | 19.38        |
|                         | 4 TX Slots | 20.82        | 21.06        | 21.04        | 21.8        | -3.17            | 17.65                           | 17.89        | 17.87        | 18.63        |
| GSM 1900 Full Power     |            |              |              |              |             |                  |                                 |              |              |              |
| Burst Output Power(dBm) |            |              |              |              | Tune up     | Division Factors | Frame-Average Output Power(dBm) |              |              | Tune up      |
| Channel                 |            | 512          | 661          | 810          |             |                  | 512                             | 661          | 810          |              |
| GSM(GMSK)               | GSM        | <b>29.98</b> | <b>29.91</b> | <b>29.93</b> | 31          | -9.19            | 20.79                           | 20.72        | 20.74        | 21.81        |
| GPRS/EGPRS (GMSK)       | 1 TX Slot  | 29.99        | 29.89        | 29.92        | 31          | -9.19            | 20.8                            | 20.7         | 20.73        | 21.81        |
|                         | 2 TX Slots | <b>27.92</b> | <b>27.77</b> | <b>27.70</b> | <b>29</b>   | <b>-6.18</b>     | <b>21.74</b>                    | <b>21.59</b> | <b>21.52</b> | <b>22.82</b> |
|                         | 3 TX Slots | 25.85        | 25.74        | 25.62        | 27          | -4.42            | 21.43                           | 21.32        | 21.2         | 22.58        |
|                         | 4 TX Slots | 23.69        | 23.59        | 23.47        | 25          | -3.17            | 20.52                           | 20.42        | 20.3         | 21.83        |
| EGPRS(8PSK)             | 1 TX Slot  | 26.42        | 26.32        | 26.27        | 27          | -9.19            | 17.23                           | 17.13        | 17.08        | 17.81        |
|                         | 2 TX Slots | 23.98        | 23.92        | 23.91        | 24          | -6.18            | 17.8                            | 17.74        | 17.73        | 17.82        |
|                         | 3 TX Slots | 21.97        | 21.82        | 21.72        | 22          | -4.42            | 17.55                           | 17.4         | 17.3         | 17.58        |
|                         | 4 TX Slots | 19.78        | 19.71        | 19.63        | 20          | -3.17            | 16.61                           | 16.54        | 16.46        | 16.83        |

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| GSM 1900 Hotspot on     |            |              |              |              |           |                  |                                 |              |              |              |
|-------------------------|------------|--------------|--------------|--------------|-----------|------------------|---------------------------------|--------------|--------------|--------------|
| Burst Output Power(dBm) |            |              |              |              | Tune up   | Division Factors | Frame-Average Output Power(dBm) |              |              | Tune up      |
| Channel                 |            | 512          | 661          | 810          |           |                  | 512                             | 661          | 810          |              |
| GSM(GMSK)               | GSM        | 26.12        | 26.03        | 25.89        | 27        | -9.19            | 16.93                           | 16.84        | 16.7         | 17.81        |
| GPRS/EGPRS (GMSK)       | 1 TX Slot  | 26.13        | 26.01        | 25.92        | 27        | -9.19            | 16.94                           | 16.82        | 16.73        | 17.81        |
|                         | 2 TX Slots | <b>24.06</b> | <b>23.92</b> | <b>23.82</b> | <b>25</b> | <b>-6.18</b>     | <b>17.88</b>                    | <b>17.74</b> | <b>17.64</b> | <b>18.82</b> |
|                         | 3 TX Slots | 22.07        | 21.86        | 21.84        | 23        | -4.42            | 17.65                           | 17.44        | 17.42        | 18.58        |
|                         | 4 TX Slots | 19.97        | 19.87        | 19.73        | 21        | -3.17            | 16.8                            | 16.7         | 16.56        | 17.83        |
| EGPRS(8PSK)             | 1 TX Slot  | 22.22        | 22.06        | 22.03        | 23        | -9.19            | 13.03                           | 12.87        | 12.84        | 13.81        |
|                         | 2 TX Slots | 19.98        | 19.94        | 19.89        | 20        | -6.18            | 13.8                            | 13.76        | 13.71        | 13.82        |
|                         | 3 TX Slots | 17.96        | 17.96        | 17.94        | 18        | -4.42            | 13.54                           | 13.54        | 13.52        | 13.58        |
|                         | 4 TX Slots | 15.82        | 15.8         | 15.78        | 16        | -3.17            | 12.65                           | 12.63        | 12.61        | 12.83        |

Table 11 : Conducted Power of GSM

Note:

- 1) . CMU200 measures GSM peak and average output power for active timeslots. For SAR the time based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

| No. of timeslots                                     | 1     | 2      | 3      | 4       |
|--|-------|--------|--------|---------|
| Duty Cycle   | 1:8.3 | 1:4.15 | 1:2.77 | 1:2.075 |
| Time based avg. power compared to slotted avg. power | -9.19 | -6.18  | -4.42  | -3.17   |

- 2) . The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:  
Frame-averaged power = 10 x log (Burst-averaged power mW x Slot used / 8
- 3) . When the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used

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### 8.1.1.2

### Conducted Power of WCDMA

| WCDMA Band II Full Power     |              |              |              |              |         |
|------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm) |              |              |              |              |         |
| Channel                      |              | 9262         | 9400         | 9538         | Tune up |
| WCDMA                        | 12.2kbps RMC | <b>23.58</b> | <b>23.47</b> | <b>23.38</b> | 24.5    |
|                              | 12.2kbps AMR | 23.52        | 23.42        | 23.34        | 24.5    |
| HSDPA                        | Subtest 1    | 22.92        | 22.74        | 22.86        | 24      |
|                              | Subtest 2    | 22.59        | 22.51        | 22.53        | 23      |
|                              | Subtest 3    | 22.15        | 21.76        | 22.08        | 22.5    |
|                              | Subtest 4    | 22.06        | 21.58        | 21.98        | 22.5    |
| HSUPA                        | Subtest 1    | 22.02        | 21.98        | 21.97        | 22.5    |
|                              | Subtest 2    | 19.04        | 18.88        | 18.92        | 19.5    |
|                              | Subtest 3    | 21.16        | 21.08        | 21.21        | 21.5    |
|                              | Subtest 4    | 19.78        | 19.86        | 18.62        | 20      |
|                              | Subtest 5    | 21.99        | 21.92        | 21.99        | 22.5    |
| DC-HSDPA                     | Subtest 1    | 22.87        | 22.69        | 22.8         | 24      |
|                              | Subtest 2    | 22.51        | 22.37        | 22.42        | 23      |
|                              | Subtest 3    | 22.03        | 21.75        | 22.02        | 22.5    |
|                              | Subtest 4    | 21.93        | 21.56        | 21.89        | 22.5    |

| WCDMA Band II Hotspot on     |              |              |              |              |         |
|------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm) |              |              |              |              |         |
| Channel                      |              | 9262         | 9400         | 9538         | Tune up |
| WCDMA                        | 12.2kbps RMC | <b>18.05</b> | <b>17.96</b> | <b>17.84</b> | 19      |
|                              | 12.2kbps AMR | 18.01        | 17.92        | 17.82        | 19      |
| HSDPA                        | Subtest 1    | 17.36        | 17.16        | 17.25        | 18.5    |
|                              | Subtest 2    | 16.01        | 15.81        | 15.98        | 17.5    |
|                              | Subtest 3    | 15.98        | 15.77        | 15.91        | 17      |
|                              | Subtest 4    | 16.02        | 15.8         | 15.89        | 17      |
| HSUPA                        | Subtest 1    | 16.48        | 16.38        | 16.4         | 17      |
|                              | Subtest 2    | 13.51        | 13.38        | 13.41        | 14      |
|                              | Subtest 3    | 15.48        | 15.38        | 15.41        | 16      |
|                              | Subtest 4    | 13.82        | 13.91        | 13.73        | 14.5    |
|                              | Subtest 5    | 16.48        | 16.38        | 16.41        | 17      |
| DC-HSDPA                     | Subtest 1    | 17.36        | 17.09        | 17.17        | 18.5    |
|                              | Subtest 2    | 15.92        | 15.75        | 15.87        | 17.5    |
|                              | Subtest 3    | 15.91        | 15.68        | 15.87        | 17      |
|                              | Subtest 4    | 15.94        | 15.7         | 15.84        | 17      |

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| WCDMA Band IV Full Power     |              |              |              |              |         |
|------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm) |              |              |              |              |         |
| Channel                      |              | 1312         | 1412         | 1513         | Tune up |
| WCDMA                        | 12.2kbps RMC | <b>22.96</b> | <b>22.92</b> | <b>22.94</b> | 24      |
|                              | 12.2kbps AMR | 22.93        | 22.89        | 22.91        | 24      |
| HSDPA                        | Subtest 1    | 22.16        | 21.94        | 21.89        | 23.5    |
|                              | Subtest 2    | 21.93        | 21.6         | 21.74        | 22.5    |
|                              | Subtest 3    | 21.37        | 20.98        | 21.08        | 22      |
|                              | Subtest 4    | 21.35        | 20.87        | 20.97        | 22      |
| HSUPA                        | Subtest 1    | 21.32        | 21.23        | 21.26        | 22      |
|                              | Subtest 2    | 19.01        | 18.95        | 18.93        | 19.5    |
|                              | Subtest 3    | 19.76        | 19.82        | 19.79        | 20      |
|                              | Subtest 4    | 19.81        | 19.86        | 19.82        | 20      |
|                              | Subtest 5    | 21.33        | 21.26        | 21.27        | 22      |
| DC-HSDPA                     | Subtest 1    | 22.16        | 21.93        | 21.84        | 23.5    |
|                              | Subtest 2    | 21.89        | 21.59        | 21.6         | 22.5    |
|                              | Subtest 3    | 21.26        | 20.97        | 20.99        | 22      |
|                              | Subtest 4    | 21.24        | 20.86        | 20.84        | 22      |

| WCDMA Band IV Hotspot on     |              |              |              |              |         |
|------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm) |              |              |              |              |         |
| Channel                      |              | 1312         | 1412         | 1513         | Tune up |
| WCDMA                        | 12.2kbps RMC | <b>18.95</b> | <b>18.89</b> | <b>18.93</b> | 20      |
|                              | 12.2kbps AMR | 18.92        | 18.86        | 18.89        | 20      |
| HSDPA                        | Subtest 1    | 18.12        | 17.97        | 17.99        | 19.5    |
|                              | Subtest 2    | 17.07        | 16.7         | 16.91        | 18.5    |
|                              | Subtest 3    | 16.92        | 16.89        | 16.93        | 18      |
|                              | Subtest 4    | 17.01        | 16.82        | 16.85        | 18      |
| HSUPA                        | Subtest 1    | 17.34        | 17.25        | 17.25        | 18      |
|                              | Subtest 2    | 14.82        | 14.86        | 14.91        | 15.5    |
|                              | Subtest 3    | 15.33        | 15.23        | 15.25        | 16      |
|                              | Subtest 4    | 15.35        | 15.25        | 15.22        | 16      |
|                              | Subtest 5    | 17.31        | 17.17        | 17.19        | 18      |
| DC-HSDPA                     | Subtest 1    | 18.03        | 17.95        | 17.98        | 19.5    |
|                              | Subtest 2    | 17.03        | 16.68        | 16.88        | 18.5    |
|                              | Subtest 3    | 16.81        | 16.88        | 16.82        | 18      |
|                              | Subtest 4    | 16.92        | 16.8         | 16.83        | 18      |

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| WCDMA Band V Full Power      |              |              |              |              |         |
|------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm) |              |              |              |              |         |
| Channel                      |              | 4132         | 4182         | 4233         | Tune up |
| WCDMA                        | 12.2kbps RMC | <b>23.47</b> | <b>23.51</b> | <b>23.49</b> | 24.5    |
|                              | 12.2kbps AMR | 23.43        | 23.49        | 23.46        | 24.5    |
| HSDPA                        | Subtest 1    | 22.82        | 22.87        | 22.69        | 24.5    |
|                              | Subtest 2    | 22.37        | 22.41        | 22.18        | 24      |
|                              | Subtest 3    | 21.72        | 21.74        | 21.54        | 23.5    |
|                              | Subtest 4    | 21.64        | 21.66        | 21.59        | 23.5    |
| HSUPA                        | Subtest 1    | 22.53        | 22.56        | 22.55        | 24      |
|                              | Subtest 2    | 20.56        | 20.54        | 20.53        | 21.5    |
|                              | Subtest 3    | 21.55        | 21.56        | 21.53        | 22      |
|                              | Subtest 4    | 20.03        | 20.16        | 20.08        | 21      |
|                              | Subtest 5    | 21.54        | 21.54        | 21.53        | 22.5    |
| DC-HSDPA                     | Subtest 1    | 22.78        | 22.85        | 22.62        | 24.5    |
|                              | Subtest 2    | 22.26        | 22.33        | 22.09        | 24      |
|                              | Subtest 3    | 21.61        | 21.68        | 21.48        | 23.5    |
|                              | Subtest 4    | 21.6         | 21.63        | 21.54        | 23.5    |

Table 12: Conducted Power of WCDMA

Note:

- 1) when the maximum output power variation across the required test channels is  $> \frac{1}{2}$  dB, instead of the middle channel, the highest output power channel must be used.

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## 8.1.1.3

## Conducted Power of LTE

| LTE Band 2 Full Power |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                | QPSK       | 1       | 0         | 22.94                | 22.92   | 22.86   | 24      |
|                       |            | 1       | 2         | 22.56                | 22.42   | 22.23   | 24      |
|                       |            | 1       | 5         | 22.97                | 22.95   | 22.97   | 24      |
|                       |            | 3       | 0         | 22.88                | 22.82   | 22.81   | 24      |
|                       |            | 3       | 2         | 22.7                 | 22.8    | 22.64   | 24      |
|                       |            | 3       | 3         | 22.84                | 22.78   | 22.87   | 24      |
|                       |            | 6       | 0         | 21.91                | 21.8    | 21.89   | 23      |
|                       | 16QAM      | 1       | 0         | 22.14                | 22.22   | 22.11   | 23      |
|                       |            | 1       | 2         | 21.9                 | 21.96   | 21.85   | 23      |
|                       |            | 1       | 5         | 22.19                | 22.24   | 22.12   | 23      |
|                       |            | 3       | 0         | 21.98                | 21.94   | 21.89   | 23      |
|                       |            | 3       | 2         | 21.63                | 21.62   | 21.79   | 23      |
|                       |            | 3       | 3         | 21.97                | 21.96   | 21.88   | 23      |
|                       |            | 6       | 0         | 20.96                | 20.81   | 20.88   | 22      |
|                       | 64QAM      | 1       | 0         | 21.02                | 20.73   | 20.65   | 22      |
|                       |            | 1       | 2         | 20.52                | 20.47   | 20.18   | 22      |
|                       |            | 1       | 5         | 20.9                 | 20.87   | 20.71   | 22      |
|                       |            | 3       | 0         | 20.87                | 20.82   | 20.73   | 22      |
|                       |            | 3       | 2         | 20.47                | 20.56   | 20.13   | 22      |
|                       |            | 3       | 3         | 20.77                | 20.83   | 20.8    | 22      |
|                       |            | 6       | 0         | 19.62                | 19.51   | 19.37   | 21      |
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz                  | QPSK       | 1       | 0         | 23                   | 22.95   | 22.95   | 24      |
|                       |            | 1       | 7         | 22.55                | 22.41   | 22.37   | 24      |
|                       |            | 1       | 14        | 22.95                | 22.89   | 22.96   | 24      |
|                       |            | 8       | 0         | 21.92                | 21.86   | 21.85   | 23      |
|                       |            | 8       | 4         | 21.9                 | 21.83   | 21.87   | 23      |
|                       |            | 8       | 7         | 21.88                | 21.84   | 21.85   | 23      |
|                       |            | 15      | 0         | 21.96                | 21.89   | 21.85   | 23      |
|                       | 16QAM      | 1       | 0         | 22.35                | 22.26   | 22.24   | 23      |
|                       |            | 1       | 7         | 21.72                | 21.57   | 21.76   | 23      |
|                       |            | 1       | 14        | 22.21                | 22.14   | 22.17   | 23      |
|                       |            | 8       | 0         | 20.85                | 20.8    | 20.84   | 22      |
|                       |            | 8       | 4         | 20.92                | 20.76   | 20.78   | 22      |
|                       |            | 8       | 7         | 20.86                | 20.79   | 20.74   | 22      |
|                       |            | 15      | 0         | 20.87                | 20.83   | 20.79   | 22      |
|                       | 64QAM      | 1       | 0         | 20.97                | 20.84   | 20.76   | 22      |
|                       |            | 1       | 7         | 20.56                | 20.49   | 20.13   | 22      |
|                       |            | 1       | 14        | 20.93                | 20.78   | 20.68   | 22      |
|                       |            | 8       | 0         | 19.68                | 19.66   | 19.59   | 21      |
|                       |            | 8       | 4         | 19.6                 | 19.56   | 19.44   | 21      |

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|           |            | 8       | 7         | 19.6    | 19.48   | 19.53   | 21      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 15      | 0         | 19.68   | 19.55   | 19.53   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 22.98   | 22.92   | 22.94   | 24      |
|           |            | 1       | 13        | 22.97   | 22.93   | 22.91   | 24      |
|           |            | 1       | 24        | 22.9    | 22.89   | 22.95   | 24      |
|           |            | 12      | 0         | 22.03   | 21.95   | 21.92   | 23      |
|           |            | 12      | 6         | 21.87   | 21.89   | 21.84   | 23      |
|           |            | 12      | 13        | 21.96   | 21.9    | 21.92   | 23      |
|           |            | 25      | 0         | 21.93   | 21.88   | 21.89   | 23      |
|           | 16QAM      | 1       | 0         | 22.2    | 22.23   | 22.16   | 23      |
|           |            | 1       | 13        | 22.18   | 22.12   | 22.05   | 23      |
|           |            | 1       | 24        | 22.16   | 22.19   | 22.21   | 23      |
|           |            | 12      | 0         | 20.94   | 20.94   | 20.88   | 22      |
|           |            | 12      | 6         | 20.9    | 20.87   | 20.84   | 22      |
|           |            | 12      | 13        | 20.97   | 20.92   | 20.91   | 22      |
|           |            | 25      | 0         | 20.86   | 20.84   | 20.79   | 22      |
|           | 64QAM      | 1       | 0         | 20.99   | 20.72   | 20.75   | 22      |
|           |            | 1       | 13        | 20.48   | 20.65   | 20.18   | 22      |
|           |            | 1       | 24        | 20.84   | 20.84   | 20.79   | 22      |
|           |            | 12      | 0         | 19.71   | 19.65   | 19.45   | 21      |
|           |            | 12      | 6         | 19.62   | 19.46   | 19.44   | 21      |
|           |            | 12      | 13        | 19.61   | 19.51   | 19.56   | 21      |
|           |            | 25      | 0         | 19.61   | 19.45   | 19.36   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 22.99   | 22.93   | 22.95   | 24      |
|           |            | 1       | 25        | 22.79   | 22.86   | 22.83   | 24      |
|           |            | 1       | 49        | 22.95   | 22.88   | 22.92   | 24      |
|           |            | 25      | 0         | 21.94   | 21.93   | 21.96   | 23      |
|           |            | 25      | 13        | 21.92   | 21.87   | 21.89   | 23      |
|           |            | 25      | 25        | 21.93   | 21.93   | 21.94   | 23      |
|           |            | 50      | 0         | 21.96   | 21.96   | 21.9    | 23      |
|           | 16QAM      | 1       | 0         | 22.24   | 22.3    | 22.23   | 23      |
|           |            | 1       | 25        | 21.96   | 21.95   | 21.92   | 23      |
|           |            | 1       | 49        | 22.21   | 22.13   | 22.26   | 23      |
|           |            | 25      | 0         | 20.95   | 20.93   | 20.93   | 22      |
|           |            | 25      | 13        | 20.88   | 20.87   | 20.9    | 22      |
|           |            | 25      | 25        | 20.88   | 20.84   | 20.84   | 22      |
|           |            | 50      | 0         | 20.85   | 20.85   | 20.85   | 22      |
|           | 64QAM      | 1       | 0         | 20.98   | 20.73   | 20.69   | 22      |
|           |            | 1       | 25        | 20.48   | 20.63   | 20.18   | 22      |
|           |            | 1       | 49        | 20.83   | 20.76   | 20.7    | 22      |
|           |            | 25      | 0         | 19.62   | 19.57   | 19.54   | 21      |
|           |            | 25      | 13        | 19.53   | 19.44   | 19.51   | 21      |
|           |            | 25      | 25        | 19.51   | 19.51   | 19.4    | 21      |

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| Bandwidth | Modulation | 50      | 0         | 19.6             | 19.5             | 19.39            | 21      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | RB size | RB offset | Channel<br>18675 | Channel<br>18900 | Channel<br>19125 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 23               | 22.94            | 22.91            | 24      |
|           |            | 1       | 38        | 23.01            | 22.94            | 22.96            | 24      |
|           |            | 1       | 74        | 22.86            | 22.91            | 22.85            | 24      |
|           |            | 36      | 0         | 21.98            | 22.01            | 21.96            | 23      |
|           |            | 36      | 18        | 21.98            | 21.98            | 21.97            | 23      |
|           |            | 36      | 39        | 21.94            | 21.93            | 21.94            | 23      |
|           |            | 75      | 0         | 21.99            | 21.98            | 21.95            | 23      |
|           | 16QAM      | 1       | 0         | 22.23            | 22.3             | 22.19            | 23      |
|           |            | 1       | 38        | 22.25            | 22.3             | 22.18            | 23      |
|           |            | 1       | 74        | 22.05            | 22.19            | 22.07            | 23      |
|           |            | 36      | 0         | 20.96            | 20.98            | 20.94            | 22      |
|           |            | 36      | 18        | 20.93            | 20.93            | 20.92            | 22      |
|           |            | 36      | 39        | 20.93            | 20.94            | 20.9             | 22      |
|           |            | 75      | 0         | 20.91            | 20.88            | 20.89            | 22      |
|           | 64QAM      | 1       | 0         | 21.03            | 20.89            | 20.64            | 22      |
|           |            | 1       | 38        | 20.43            | 20.49            | 20.17            | 22      |
|           |            | 1       | 74        | 20.79            | 20.8             | 20.75            | 22      |
|           |            | 36      | 0         | 19.59            | 19.62            | 19.55            | 21      |
|           |            | 36      | 18        | 19.66            | 19.47            | 19.47            | 21      |
|           |            | 36      | 39        | 19.51            | 19.43            | 19.4             | 21      |
|           |            | 75      | 0         | 19.57            | 19.44            | 19.48            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18700 | Channel<br>18900 | Channel<br>19100 | Tune up |
|           |            |         |           | 18700            | 18900            | 19100            |         |
| 20MHz     | QPSK       | 1       | 0         | <b>23.16</b>     | <b>23.11</b>     | <b>23.09</b>     | 24      |
|           |            | 1       | 50        | 22.47            | 22.42            | 22.82            | 24      |
|           |            | 1       | 99        | 22.99            | 22.94            | 22.96            | 24      |
|           |            | 50      | 0         | <b>22.05</b>     | 22.02            | 21.95            | 23      |
|           |            | 50      | 25        | 21.96            | 21.93            | 21.94            | 23      |
|           |            | 50      | 50        | 21.93            | 21.94            | 21.93            | 23      |
|           |            | 100     | 0         | 22.04            | 21.96            | 21.96            | 23      |
|           | 16QAM      | 1       | 0         | 22.39            | 22.37            | 22.43            | 23      |
|           |            | 1       | 50        | 21.82            | 21.77            | 21.94            | 23      |
|           |            | 1       | 99        | 22.25            | 22.23            | 22.17            | 23      |
|           |            | 50      | 0         | 20.99            | 20.93            | 20.93            | 22      |
|           |            | 50      | 25        | 20.9             | 20.84            | 20.87            | 22      |
|           |            | 50      | 50        | 20.91            | 20.87            | 20.87            | 22      |
|           |            | 100     | 0         | 20.92            | 20.9             | 20.92            | 22      |
|           | 64QAM      | 1       | 0         | 21.08            | 20.89            | 20.81            | 22      |
|           |            | 1       | 50        | 20.62            | 20.66            | 20.26            | 22      |
|           |            | 1       | 99        | 20.94            | 20.87            | 20.87            | 22      |
|           |            | 50      | 0         | 19.73            | 19.67            | 19.6             | 21      |
|           |            | 50      | 25        | 19.67            | 19.58            | 19.57            | 21      |
|           |            | 50      | 50        | 19.69            | 19.62            | 19.56            | 21      |
|           |            | 100     | 0         | 19.7             | 19.61            | 19.55            | 21      |

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| LTE Band 2 Hotspot on |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                | QPSK       | 1       | 0         | 18.04                | 17.96   | 17.97   | 19      |
|                       |            | 1       | 2         | 17.56                | 17.47   | 17.49   | 19      |
|                       |            | 1       | 5         | 18.03                | 17.97   | 17.98   | 19      |
|                       |            | 3       | 0         | 17.88                | 17.91   | 17.82   | 19      |
|                       |            | 3       | 2         | 17.98                | 17.89   | 17.86   | 19      |
|                       |            | 3       | 3         | 17.98                | 17.87   | 17.93   | 19      |
|                       |            | 6       | 0         | 18.01                | 17.92   | 17.82   | 19      |
|                       | 16QAM      | 1       | 0         | 18.34                | 18.28   | 18.22   | 19      |
|                       |            | 1       | 2         | 18.18                | 18.14   | 18.08   | 19      |
|                       |            | 1       | 5         | 18.23                | 18.29   | 18.25   | 19      |
|                       |            | 3       | 0         | 17.96                | 17.96   | 17.92   | 19      |
|                       |            | 3       | 2         | 17.89                | 17.87   | 17.75   | 19      |
|                       |            | 3       | 3         | 18.01                | 17.89   | 17.91   | 19      |
|                       |            | 6       | 0         | 17.97                | 17.94   | 17.87   | 19      |
|                       | 64QAM      | 1       | 0         | 17.89                | 17.83   | 17.79   | 19      |
|                       |            | 1       | 2         | 17.54                | 17.46   | 17.35   | 19      |
|                       |            | 1       | 5         | 17.71                | 17.93   | 17.97   | 19      |
|                       |            | 3       | 0         | 17.53                | 17.7    | 17.43   | 19      |
|                       |            | 3       | 2         | 17.56                | 17.51   | 17.57   | 19      |
|                       |            | 3       | 3         | 17.63                | 17.67   | 17.54   | 19      |
|                       |            | 6       | 0         | 17.5                 | 17.43   | 17.49   | 19      |
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz                  | QPSK       | 1       | 0         | 18.06                | 17.99   | 17.95   | 19      |
|                       |            | 1       | 7         | 17.79                | 17.63   | 17.58   | 19      |
|                       |            | 1       | 14        | 18.01                | 17.94   | 17.95   | 19      |
|                       |            | 8       | 0         | 17.98                | 17.93   | 17.9    | 19      |
|                       |            | 8       | 4         | 17.87                | 17.86   | 17.91   | 19      |
|                       |            | 8       | 7         | 17.96                | 17.9    | 17.93   | 19      |
|                       |            | 15      | 0         | 17.99                | 17.92   | 17.95   | 19      |
|                       | 16QAM      | 1       | 0         | 18.26                | 18.19   | 18.24   | 19      |
|                       |            | 1       | 7         | 17.83                | 17.86   | 17.89   | 19      |
|                       |            | 1       | 14        | 18.25                | 18.25   | 18.21   | 19      |
|                       |            | 8       | 0         | 17.96                | 17.94   | 17.95   | 19      |
|                       |            | 8       | 4         | 17.87                | 17.89   | 17.82   | 19      |
|                       |            | 8       | 7         | 17.94                | 17.94   | 17.85   | 19      |
|                       |            | 15      | 0         | 17.96                | 17.86   | 17.88   | 19      |
|                       | 64QAM      | 1       | 0         | 18.02                | 18.2    | 17.64   | 19      |
|                       |            | 1       | 7         | 17.69                | 17.38   | 17.22   | 19      |
|                       |            | 1       | 14        | 17.71                | 17.96   | 17.87   | 19      |
|                       |            | 8       | 0         | 17.75                | 17.62   | 17.53   | 19      |

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|           |            | 8       | 4         | 17.67   | 17.49   | 17.45   | 19      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 17.59   | 17.6    | 17.52   | 19      |
|           |            | 15      | 0         | 17.62   | 17.58   | 17.42   | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 18.06   | 17.97   | 17.97   | 19      |
|           |            | 1       | 13        | 18.03   | 17.97   | 17.95   | 19      |
|           |            | 1       | 24        | 17.92   | 17.95   | 18.01   | 19      |
|           |            | 12      | 0         | 18.04   | 18.02   | 18.01   | 19      |
|           |            | 12      | 6         | 18.05   | 17.97   | 17.89   | 19      |
|           |            | 12      | 13        | 18.06   | 18.01   | 17.97   | 19      |
|           |            | 25      | 0         | 18.05   | 17.98   | 17.96   | 19      |
|           | 16QAM      | 1       | 0         | 18.37   | 18.36   | 18.27   | 19      |
|           |            | 1       | 13        | 18.36   | 18.24   | 18.2    | 19      |
|           |            | 1       | 24        | 18.25   | 18.15   | 18.29   | 19      |
|           |            | 12      | 0         | 18.02   | 17.96   | 17.97   | 19      |
|           |            | 12      | 6         | 18      | 17.95   | 17.91   | 19      |
|           |            | 12      | 13        | 18.05   | 17.98   | 17.94   | 19      |
|           |            | 25      | 0         | 17.95   | 17.92   | 17.89   | 19      |
|           | 64QAM      | 1       | 0         | 18.02   | 18.2    | 17.64   | 19      |
|           |            | 1       | 13        | 17.69   | 17.38   | 17.22   | 19      |
|           |            | 1       | 24        | 17.71   | 17.96   | 17.87   | 19      |
|           |            | 12      | 0         | 17.75   | 17.62   | 17.53   | 19      |
|           |            | 12      | 6         | 17.67   | 17.49   | 17.45   | 19      |
|           |            | 12      | 13        | 17.59   | 17.6    | 17.52   | 19      |
|           |            | 25      | 0         | 17.62   | 17.58   | 17.42   | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.07   | 18.01   | 18      | 19      |
|           |            | 1       | 25        | 17.7    | 17.61   | 17.75   | 19      |
|           |            | 1       | 49        | 18      | 17.93   | 17.99   | 19      |
|           |            | 25      | 0         | 18.02   | 17.96   | 17.95   | 19      |
|           |            | 25      | 13        | 17.96   | 17.94   | 17.97   | 19      |
|           |            | 25      | 25        | 17.97   | 17.96   | 17.9    | 19      |
|           |            | 50      | 0         | 18.01   | 17.99   | 17.91   | 19      |
|           | 16QAM      | 1       | 0         | 18.44   | 18.4    | 18.27   | 19      |
|           |            | 1       | 25        | 17.94   | 17.95   | 17.99   | 19      |
|           |            | 1       | 49        | 18.24   | 18.24   | 18.31   | 19      |
|           |            | 25      | 0         | 17.93   | 17.92   | 17.95   | 19      |
|           |            | 25      | 13        | 17.94   | 17.88   | 17.88   | 19      |
|           |            | 25      | 25        | 17.89   | 17.92   | 17.89   | 19      |
|           |            | 50      | 0         | 17.96   | 17.88   | 17.89   | 19      |
|           | 64QAM      | 1       | 0         | 18.02   | 18.2    | 17.64   | 19      |
|           |            | 1       | 25        | 17.69   | 17.38   | 17.22   | 19      |
|           |            | 1       | 49        | 17.71   | 17.96   | 17.87   | 19      |
|           |            | 25      | 0         | 17.75   | 17.62   | 17.53   | 19      |
|           |            | 25      | 13        | 17.67   | 17.49   | 17.45   | 19      |

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|           |            | 25      | 25        | 17.59   | 17.6    | 17.52   | 19      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 17.62   | 17.58   | 17.42   | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.02   | 18.01   | 17.94   | 19      |
|           |            | 1       | 38        | 18.02   | 17.99   | 17.98   | 19      |
|           |            | 1       | 74        | 17.9    | 17.88   | 17.9    | 19      |
|           |            | 36      | 0         | 18.06   | 18.02   | 17.99   | 19      |
|           |            | 36      | 18        | 18.03   | 17.98   | 17.98   | 19      |
|           |            | 36      | 39        | 18.03   | 17.96   | 18.03   | 19      |
|           |            | 75      | 0         | 18.02   | 18.01   | 17.96   | 19      |
|           | 16QAM      | 1       | 0         | 18.16   | 18.4    | 18.25   | 19      |
|           |            | 1       | 38        | 18.33   | 18.27   | 18.31   | 19      |
|           |            | 1       | 74        | 18.23   | 18.25   | 18.26   | 19      |
|           |            | 36      | 0         | 17.99   | 17.98   | 17.95   | 19      |
|           |            | 36      | 18        | 18      | 17.88   | 17.93   | 19      |
|           |            | 36      | 39        | 17.99   | 17.91   | 17.95   | 19      |
|           |            | 75      | 0         | 17.95   | 17.94   | 17.93   | 19      |
|           | 64QAM      | 1       | 0         | 18.02   | 18.2    | 17.64   | 19      |
|           |            | 1       | 38        | 17.69   | 17.38   | 17.22   | 19      |
|           |            | 1       | 74        | 17.71   | 17.96   | 17.87   | 19      |
|           |            | 36      | 0         | 17.75   | 17.62   | 17.53   | 19      |
|           |            | 36      | 18        | 17.67   | 17.49   | 17.45   | 19      |
|           |            | 36      | 39        | 17.59   | 17.6    | 17.52   | 19      |
|           |            | 75      | 0         | 17.62   | 17.58   | 17.42   | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.2    | 18.15   | 18.11   | 19      |
|           |            | 1       | 50        | 17.69   | 17.65   | 17.49   | 19      |
|           |            | 1       | 99        | 17.98   | 17.99   | 18.02   | 19      |
|           |            | 50      | 0         | 18.09   | 18.03   | 17.97   | 19      |
|           |            | 50      | 25        | 18.07   | 17.95   | 17.98   | 19      |
|           |            | 50      | 50        | 18.02   | 17.98   | 17.98   | 19      |
|           |            | 100     | 0         | 18.06   | 17.98   | 17.99   | 19      |
|           | 16QAM      | 1       | 0         | 18.42   | 18.42   | 18.33   | 19      |
|           |            | 1       | 50        | 18.02   | 17.74   | 17.5    | 19      |
|           |            | 1       | 99        | 18.38   | 18.26   | 18.29   | 19      |
|           |            | 50      | 0         | 18.07   | 17.98   | 17.96   | 19      |
|           |            | 50      | 25        | 17.96   | 17.87   | 17.93   | 19      |
|           |            | 50      | 50        | 17.94   | 17.89   | 17.9    | 19      |
|           |            | 100     | 0         | 18      | 17.9    | 17.93   | 19      |
|           | 64QAM      | 1       | 0         | 18.26   | 18.35   | 18.12   | 19      |
|           |            | 1       | 50        | 17.89   | 17.77   | 17.65   | 19      |
|           |            | 1       | 99        | 18.14   | 18.19   | 18.11   | 19      |
|           |            | 50      | 0         | 18.04   | 17.97   | 17.87   | 19      |
|           |            | 50      | 25        | 18.01   | 17.91   | 17.83   | 19      |
|           |            | 50      | 50        | 17.95   | 17.9    | 17.82   | 19      |

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|  |  |     |   |       |       |       |    |
|--|--|-----|---|-------|-------|-------|----|
|  |  | 100 | 0 | 17.99 | 17.89 | 17.83 | 19 |
|--|--|-----|---|-------|-------|-------|----|

| LTE Band 4 Full power |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                | QPSK       | 1       | 0         | 23.51                | 23.44   | 23.43   | 24      |
|                       |            | 1       | 2         | 23                   | 22.72   | 22.87   | 24      |
|                       |            | 1       | 5         | 23.52                | 23.49   | 23.38   | 24      |
|                       |            | 3       | 0         | 23.45                | 23.46   | 23.37   | 24      |
|                       |            | 3       | 2         | 23.33                | 23.27   | 23.29   | 24      |
|                       |            | 3       | 3         | 23.48                | 23.5    | 23.37   | 24      |
|                       |            | 6       | 0         | 21.46                | 21.4    | 21.3    | 23      |
|                       | 16QAM      | 1       | 0         | 22.24                | 22.28   | 22.14   | 23      |
|                       |            | 1       | 2         | 22.2                 | 21.88   | 22.14   | 23      |
|                       |            | 1       | 5         | 22.39                | 22.26   | 22.12   | 23      |
|                       |            | 3       | 0         | 22.12                | 22.05   | 21.91   | 23      |
|                       |            | 3       | 2         | 21.84                | 21.95   | 21.67   | 23      |
|                       |            | 3       | 3         | 22.09                | 21.99   | 21.9    | 23      |
|                       |            | 6       | 0         | 20.92                | 20.93   | 20.96   | 22      |
|                       | 64QAM      | 1       | 0         | 21.26                | 21.3    | 21.25   | 22      |
|                       |            | 1       | 2         | 21.06                | 20.74   | 20.97   | 22      |
|                       |            | 1       | 5         | 21.28                | 21.33   | 21.2    | 22      |
|                       |            | 3       | 0         | 21.32                | 21.41   | 21.24   | 22      |
|                       |            | 3       | 2         | 21.13                | 20.87   | 20.93   | 22      |
|                       |            | 3       | 3         | 21.26                | 21.43   | 21.24   | 22      |
|                       |            | 6       | 0         | 19.99                | 20.07   | 19.91   | 21      |
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz                  | QPSK       | 1       | 0         | 23.56                | 23.37   | 23.37   | 24      |
|                       |            | 1       | 7         | 23.16                | 22.92   | 22.8    | 24      |
|                       |            | 1       | 14        | 23.46                | 23.41   | 23.34   | 24      |
|                       |            | 8       | 0         | 21.41                | 21.38   | 21.3    | 23      |
|                       |            | 8       | 4         | 21.44                | 21.41   | 21.34   | 23      |
|                       |            | 8       | 7         | 21.44                | 21.29   | 21.23   | 23      |
|                       |            | 15      | 0         | 21.45                | 21.41   | 21.34   | 23      |
|                       | 16QAM      | 1       | 0         | 22.24                | 22.08   | 22.23   | 23      |
|                       |            | 1       | 7         | 21.92                | 21.73   | 21.63   | 23      |
|                       |            | 1       | 14        | 22.17                | 22.1    | 22.05   | 23      |
|                       |            | 8       | 0         | 20.82                | 20.95   | 20.66   | 22      |
|                       |            | 8       | 4         | 20.87                | 20.88   | 20.74   | 22      |
|                       |            | 8       | 7         | 20.89                | 20.74   | 20.76   | 22      |
|                       |            | 15      | 0         | 20.88                | 20.85   | 20.81   | 22      |
|                       | 64QAM      | 1       | 0         | 21.31                | 21.28   | 21.16   | 22      |
|                       |            | 1       | 7         | 21.03                | 20.79   | 20.86   | 22      |
|                       |            | 1       | 14        | 21.21                | 21.33   | 21.19   | 22      |

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|           |            | 8       | 0         | 20.06   | 19.95   | 19.95   | 21      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 4         | 20.01   | 20.04   | 19.82   | 21      |
|           |            | 8       | 7         | 20.03   | 20.03   | 20.01   | 21      |
|           |            | 15      | 0         | 20.08   | 19.97   | 19.9    | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.53   | 23.5    | 23.46   | 24      |
|           |            | 1       | 13        | 23.5    | 23.4    | 23.37   | 24      |
|           |            | 1       | 24        | 23.44   | 23.4    | 23.28   | 24      |
|           |            | 12      | 0         | 21.5    | 21.4    | 21.35   | 23      |
|           |            | 12      | 6         | 21.42   | 21.39   | 21.35   | 23      |
|           |            | 12      | 13        | 21.47   | 21.42   | 21.37   | 23      |
|           |            | 25      | 0         | 21.48   | 21.43   | 21.37   | 23      |
|           | 16QAM      | 1       | 0         | 22.32   | 22.2    | 22.2    | 23      |
|           |            | 1       | 13        | 22.21   | 22.27   | 22.26   | 23      |
|           |            | 1       | 24        | 22.21   | 22.07   | 22      | 23      |
|           |            | 12      | 0         | 20.99   | 20.9    | 20.85   | 22      |
|           |            | 12      | 6         | 20.91   | 20.86   | 20.76   | 22      |
|           |            | 12      | 13        | 20.95   | 20.87   | 20.82   | 22      |
|           |            | 25      | 0         | 20.87   | 20.85   | 20.82   | 22      |
|           | 64QAM      | 1       | 0         | 21.27   | 21.37   | 21.25   | 22      |
|           |            | 1       | 13        | 21.1    | 20.83   | 20.92   | 22      |
|           |            | 1       | 24        | 21.2    | 21.26   | 21.34   | 22      |
|           |            | 12      | 0         | 19.99   | 20.02   | 19.93   | 21      |
|           |            | 12      | 6         | 20.01   | 19.99   | 19.92   | 21      |
|           |            | 12      | 13        | 19.94   | 20.05   | 20.03   | 21      |
|           |            | 25      | 0         | 20.01   | 19.9    | 19.91   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.58   | 23.41   | 23.48   | 24      |
|           |            | 1       | 25        | 23.1    | 22.94   | 22.98   | 24      |
|           |            | 1       | 49        | 23.46   | 23.37   | 23.32   | 24      |
|           |            | 25      | 0         | 21.48   | 21.4    | 21.39   | 23      |
|           |            | 25      | 13        | 21.46   | 21.44   | 21.37   | 23      |
|           |            | 25      | 25        | 21.49   | 21.41   | 21.34   | 23      |
|           |            | 50      | 0         | 21.5    | 21.39   | 21.4    | 23      |
|           | 16QAM      | 1       | 0         | 22.32   | 22.23   | 22.12   | 23      |
|           |            | 1       | 25        | 21.85   | 22      | 21.71   | 23      |
|           |            | 1       | 49        | 22.17   | 22.22   | 22.01   | 23      |
|           |            | 25      | 0         | 20.96   | 20.87   | 20.87   | 22      |
|           |            | 25      | 13        | 20.9    | 20.84   | 20.82   | 22      |
|           |            | 25      | 25        | 20.9    | 20.88   | 20.78   | 22      |
|           |            | 50      | 0         | 20.86   | 20.82   | 20.78   | 22      |
|           | 64QAM      | 1       | 0         | 21.38   | 21.34   | 21.21   | 22      |
|           |            | 1       | 25        | 21.14   | 20.73   | 20.94   | 22      |
|           |            | 1       | 49        | 21.17   | 21.32   | 21.24   | 22      |
|           |            | 25      | 0         | 20.11   | 19.97   | 19.83   | 21      |

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|           |            | 25      | 13        | 19.98   | 19.96   | 19.91   | 21      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 25        | 19.99   | 20.01   | 19.97   | 21      |
|           |            | 50      | 0         | 19.92   | 20      | 19.82   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.49   | 23.47   | 23.36   | 24      |
|           |            | 1       | 38        | 23.5    | 23.45   | 23.41   | 24      |
|           |            | 1       | 74        | 23.4    | 23.33   | 23.31   | 24      |
|           |            | 36      | 0         | 21.56   | 21.48   | 21.46   | 23      |
|           |            | 36      | 18        | 21.49   | 21.44   | 21.42   | 23      |
|           |            | 36      | 39        | 21.46   | 21.41   | 21.43   | 23      |
|           |            | 75      | 0         | 21.5    | 21.41   | 21.41   | 23      |
|           | 16QAM      | 1       | 0         | 22.26   | 22.22   | 22.14   | 23      |
|           |            | 1       | 38        | 22.29   | 22.23   | 22.14   | 23      |
|           |            | 1       | 74        | 22.16   | 22.17   | 22.02   | 23      |
|           |            | 36      | 0         | 20.97   | 20.97   | 20.86   | 22      |
|           |            | 36      | 18        | 20.91   | 20.87   | 20.82   | 22      |
|           |            | 36      | 39        | 20.91   | 20.9    | 20.86   | 22      |
|           |            | 75      | 0         | 20.93   | 20.83   | 20.82   | 22      |
|           | 64QAM      | 1       | 0         | 21.28   | 21.36   | 21.14   | 22      |
|           |            | 1       | 38        | 21      | 20.74   | 20.98   | 22      |
|           |            | 1       | 74        | 21.21   | 21.27   | 21.2    | 22      |
|           |            | 36      | 0         | 20.08   | 19.97   | 19.98   | 21      |
|           |            | 36      | 18        | 20.1    | 19.93   | 19.95   | 21      |
|           |            | 36      | 39        | 20.01   | 19.89   | 19.96   | 21      |
|           |            | 75      | 0         | 19.93   | 19.95   | 19.9    | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 23.62   | 23.6    | 23.57   | 24      |
|           |            | 1       | 50        | 23.13   | 22.95   | 22.92   | 24      |
|           |            | 1       | 99        | 23.42   | 23.31   | 23.43   | 24      |
|           |            | 50      | 0         | 21.55   | 21.47   | 21.45   | 23      |
|           |            | 50      | 25        | 21.44   | 21.41   | 21.37   | 23      |
|           |            | 50      | 50        | 21.43   | 21.43   | 21.38   | 23      |
|           |            | 100     | 0         | 21.49   | 21.45   | 21.38   | 23      |
|           | 16QAM      | 1       | 0         | 22.46   | 22.37   | 22.3    | 23      |
|           |            | 1       | 50        | 21.86   | 21.87   | 21.84   | 23      |
|           |            | 1       | 99        | 22.3    | 22.11   | 22.15   | 23      |
|           |            | 50      | 0         | 20.94   | 20.91   | 20.84   | 22      |
|           |            | 50      | 25        | 20.91   | 20.85   | 20.81   | 22      |
|           |            | 50      | 50        | 20.84   | 20.82   | 20.84   | 22      |
|           |            | 100     | 0         | 20.92   | 20.84   | 20.84   | 22      |
|           | 64QAM      | 1       | 0         | 21.45   | 21.44   | 21.32   | 22      |
|           |            | 1       | 50        | 21.16   | 20.88   | 20.99   | 22      |
|           |            | 1       | 99        | 21.34   | 21.44   | 21.35   | 22      |
|           |            | 50      | 0         | 20.12   | 20.11   | 20.01   | 21      |
|           |            | 50      | 25        | 20.11   | 20.06   | 20      | 21      |

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|  |  |     |    |       |       |       |    |
|--|--|-----|----|-------|-------|-------|----|
|  |  | 50  | 50 | 20.07 | 20.06 | 20.04 | 21 |
|  |  | 100 | 0  | 20.11 | 20.09 | 20.01 | 21 |

| LTE Band 4 Hotspot on |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                | QPSK       | 1       | 0         | 19.54                | 19.42   | 19.39   | 20      |
|                       |            | 1       | 2         | 18.9                 | 19.09   | 18.77   | 20      |
|                       |            | 1       | 5         | 19.49                | 19.49   | 19.36   | 20      |
|                       |            | 3       | 0         | 19.4                 | 19.43   | 19.34   | 20      |
|                       |            | 3       | 2         | 19.39                | 19.37   | 19.23   | 20      |
|                       |            | 3       | 3         | 19.39                | 19.33   | 19.25   | 20      |
|                       |            | 6       | 0         | 19.37                | 19.28   | 19.27   | 20      |
|                       | 16QAM      | 1       | 0         | 19.81                | 19.81   | 19.64   | 20      |
|                       |            | 1       | 2         | 19.42                | 19.25   | 19.74   | 20      |
|                       |            | 1       | 5         | 19.85                | 19.79   | 19.77   | 20      |
|                       |            | 3       | 0         | 19.52                | 19.46   | 19.29   | 20      |
|                       |            | 3       | 2         | 19.43                | 19.28   | 19.33   | 20      |
|                       |            | 3       | 3         | 19.4                 | 19.41   | 19.29   | 20      |
|                       |            | 6       | 0         | 19.41                | 19.37   | 19.29   | 20      |
|                       | 64QAM      | 1       | 0         | 19.68                | 19.57   | 19.6    | 20      |
|                       |            | 1       | 2         | 19.27                | 19.18   | 19.18   | 20      |
|                       |            | 1       | 5         | 19.68                | 19.64   | 19.54   | 20      |
|                       |            | 3       | 0         | 19.22                | 19.31   | 19.33   | 20      |
|                       |            | 3       | 2         | 19.27                | 19.28   | 19.18   | 20      |
|                       |            | 3       | 3         | 19.21                | 19.28   | 19.2    | 20      |
|                       |            | 6       | 0         | 19.26                | 19.2    | 19.25   | 20      |
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz                  | QPSK       | 1       | 0         | 19.52                | 19.38   | 19.36   | 20      |
|                       |            | 1       | 7         | 19.14                | 19.24   | 19.15   | 20      |
|                       |            | 1       | 14        | 19.46                | 19.39   | 19.34   | 20      |
|                       |            | 8       | 0         | 19.49                | 19.47   | 19.28   | 20      |
|                       |            | 8       | 4         | 19.46                | 19.44   | 19.34   | 20      |
|                       |            | 8       | 7         | 19.42                | 19.41   | 19.36   | 20      |
|                       |            | 15      | 0         | 19.5                 | 19.43   | 19.4    | 20      |
|                       | 16QAM      | 1       | 0         | 19.8                 | 19.73   | 19.6    | 20      |
|                       |            | 1       | 7         | 19.13                | 19.39   | 18.85   | 20      |
|                       |            | 1       | 14        | 19.87                | 19.75   | 19.57   | 20      |
|                       |            | 8       | 0         | 19.48                | 19.37   | 19.28   | 20      |
|                       |            | 8       | 4         | 19.49                | 19.35   | 19.33   | 20      |
|                       |            | 8       | 7         | 19.45                | 19.31   | 19.18   | 20      |
|                       |            | 15      | 0         | 19.47                | 19.44   | 19.33   | 20      |
|                       | 64QAM      | 1       | 0         | 19.69                | 19.56   | 19.72   | 20      |
|                       |            | 1       | 7         | 19.25                | 19.21   | 19.04   | 20      |

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|           |            | 1       | 14        | 19.7    | 19.66   | 19.55   | 20      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 0         | 19.24   | 19.33   | 19.19   | 20      |
|           |            | 8       | 4         | 19.31   | 19.31   | 19.29   | 20      |
|           |            | 8       | 7         | 19.27   | 19.23   | 19.17   | 20      |
|           |            | 15      | 0         | 19.37   | 19.31   | 19.31   | 20      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.54   | 19.43   | 19.39   | 20      |
|           |            | 1       | 13        | 19.5    | 19.47   | 19.41   | 20      |
|           |            | 1       | 24        | 19.47   | 19.38   | 19.32   | 20      |
|           |            | 12      | 0         | 19.57   | 19.47   | 19.44   | 20      |
|           |            | 12      | 6         | 19.47   | 19.45   | 19.31   | 20      |
|           |            | 12      | 13        | 19.53   | 19.5    | 19.42   | 20      |
|           |            | 25      | 0         | 19.52   | 19.49   | 19.42   | 20      |
|           | 16QAM      | 1       | 0         | 19.88   | 19.83   | 19.8    | 20      |
|           |            | 1       | 13        | 19.81   | 19.78   | 19.78   | 20      |
|           |            | 1       | 24        | 19.72   | 19.69   | 19.7    | 20      |
|           |            | 12      | 0         | 19.57   | 19.48   | 19.41   | 20      |
|           |            | 12      | 6         | 19.46   | 19.46   | 19.39   | 20      |
|           |            | 12      | 13        | 19.48   | 19.45   | 19.35   | 20      |
|           |            | 25      | 0         | 19.46   | 19.37   | 19.31   | 20      |
|           | 64QAM      | 1       | 0         | 19.65   | 19.55   | 19.65   | 20      |
|           |            | 1       | 13        | 19.25   | 19.3    | 19.12   | 20      |
|           |            | 1       | 24        | 19.67   | 19.55   | 19.59   | 20      |
|           |            | 12      | 0         | 19.39   | 19.35   | 19.36   | 20      |
|           |            | 12      | 6         | 19.3    | 19.35   | 19.29   | 20      |
|           |            | 12      | 13        | 19.36   | 19.33   | 19.3    | 20      |
|           |            | 25      | 0         | 19.35   | 19.21   | 19.29   | 20      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.55   | 19.47   | 19.42   | 20      |
|           |            | 1       | 25        | 19.21   | 18.98   | 18.77   | 20      |
|           |            | 1       | 49        | 19.42   | 19.34   | 19.32   | 20      |
|           |            | 25      | 0         | 19.56   | 19.48   | 19.47   | 20      |
|           |            | 25      | 13        | 19.48   | 19.48   | 19.38   | 20      |
|           |            | 25      | 25        | 19.42   | 19.44   | 19.4    | 20      |
|           |            | 50      | 0         | 19.47   | 19.41   | 19.4    | 20      |
|           | 16QAM      | 1       | 0         | 19.87   | 19.77   | 19.77   | 20      |
|           |            | 1       | 25        | 19.61   | 19.5    | 19.45   | 20      |
|           |            | 1       | 49        | 19.82   | 19.76   | 19.67   | 20      |
|           |            | 25      | 0         | 19.5    | 19.41   | 19.38   | 20      |
|           |            | 25      | 13        | 19.38   | 19.37   | 19.34   | 20      |
|           |            | 25      | 25        | 19.41   | 19.43   | 19.32   | 20      |
|           |            | 50      | 0         | 19.43   | 19.36   | 19.35   | 20      |
|           | 64QAM      | 1       | 0         | 19.66   | 19.59   | 19.74   | 20      |
|           |            | 1       | 25        | 19.35   | 19.23   | 19.18   | 20      |
|           |            | 1       | 49        | 19.59   | 19.61   | 19.55   | 20      |

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|           |            | 25      | 0         | 19.28   | 19.25   | 19.3    | 20      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 13        | 19.26   | 19.3    | 19.21   | 20      |
|           |            | 25      | 25        | 19.3    | 19.37   | 19.22   | 20      |
|           |            | 50      | 0         | 19.24   | 19.21   | 19.29   | 20      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 19.54   | 19.46   | 19.42   | 20      |
|           |            | 1       | 38        | 19.51   | 19.47   | 19.37   | 20      |
|           |            | 1       | 74        | 19.33   | 19.35   | 19.28   | 20      |
|           |            | 36      | 0         | 19.51   | 19.5    | 19.44   | 20      |
|           |            | 36      | 18        | 19.48   | 19.45   | 19.46   | 20      |
|           |            | 36      | 39        | 19.45   | 19.42   | 19.45   | 20      |
|           |            | 75      | 0         | 19.53   | 19.44   | 19.43   | 20      |
|           | 16QAM      | 1       | 0         | 19.78   | 19.78   | 19.76   | 20      |
|           |            | 1       | 38        | 19.83   | 19.84   | 19.75   | 20      |
|           |            | 1       | 74        | 19.74   | 19.74   | 19.59   | 20      |
|           |            | 36      | 0         | 19.5    | 19.45   | 19.43   | 20      |
|           |            | 36      | 18        | 19.47   | 19.39   | 19.38   | 20      |
|           |            | 36      | 39        | 19.43   | 19.42   | 19.31   | 20      |
|           |            | 75      | 0         | 19.41   | 19.35   | 19.3    | 20      |
|           | 64QAM      | 1       | 0         | 19.61   | 19.66   | 19.7    | 20      |
|           |            | 1       | 38        | 19.18   | 19.23   | 19.11   | 20      |
|           |            | 1       | 74        | 19.71   | 19.71   | 19.5    | 20      |
|           |            | 36      | 0         | 19.38   | 19.33   | 19.32   | 20      |
|           |            | 36      | 18        | 19.28   | 19.38   | 19.22   | 20      |
|           |            | 36      | 39        | 19.28   | 19.37   | 19.19   | 20      |
|           |            | 75      | 0         | 19.32   | 19.26   | 19.31   | 20      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 19.68   | 19.68   | 19.64   | 20      |
|           |            | 1       | 50        | 19.05   | 19.02   | 19.03   | 20      |
|           |            | 1       | 99        | 19.54   | 19.47   | 19.5    | 20      |
|           |            | 50      | 0         | 19.63   | 19.57   | 19.53   | 20      |
|           |            | 50      | 25        | 19.58   | 19.46   | 19.49   | 20      |
|           |            | 50      | 50        | 19.56   | 19.5    | 19.48   | 20      |
|           |            | 100     | 0         | 19.54   | 19.54   | 19.54   | 20      |
|           | 16QAM      | 1       | 0         | 19.89   | 19.92   | 9.88    | 20      |
|           |            | 1       | 50        | 19.14   | 19.39   | 19.37   | 20      |
|           |            | 1       | 99        | 19.84   | 19.81   | 19.77   | 20      |
|           |            | 50      | 0         | 19.58   | 19.52   | 19.43   | 20      |
|           |            | 50      | 25        | 19.51   | 19.44   | 19.47   | 20      |
|           |            | 50      | 50        | 19.46   | 19.43   | 19.44   | 20      |
|           |            | 100     | 0         | 19.54   | 19.44   | 19.44   | 20      |
|           | 64QAM      | 1       | 0         | 19.76   | 19.7    | 19.77   | 20      |
|           |            | 1       | 50        | 19.36   | 19.32   | 19.21   | 20      |
|           |            | 1       | 99        | 19.71   | 19.72   | 19.64   | 20      |
|           |            | 50      | 0         | 19.4    | 19.42   | 19.37   | 20      |

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|  |  |     |    |       |       |       |    |
|--|--|-----|----|-------|-------|-------|----|
|  |  | 50  | 25 | 19.37 | 19.39 | 19.36 | 20 |
|  |  | 50  | 50 | 19.38 | 19.39 | 19.35 | 20 |
|  |  | 100 | 0  | 19.38 | 19.35 | 19.31 | 20 |

| LTE Band 5 Full power |            |            |           | Conducted Power(dBm) |         |         |         |         |
|-----------------------|------------|------------|-----------|----------------------|---------|---------|---------|---------|
| Bandwidth             | Modulation | RB size    | RB offset | Channel              | Channel | Channel | Tune up |         |
|                       |            |            |           | 20407                | 20525   | 20643   |         |         |
| 1.4MHz                | QPSK       | 1          | 0         | 23.48                | 23.39   | 23.39   | 24.5    |         |
|                       |            | 1          | 2         | 22.8                 | 22.81   | 22.75   | 24.5    |         |
|                       |            | 1          | 5         | 23.42                | 23.41   | 23.41   | 24.5    |         |
|                       |            | 3          | 0         | 23.33                | 23.32   | 23.39   | 24.5    |         |
|                       |            | 3          | 2         | 23.21                | 23.21   | 23.15   | 24.5    |         |
|                       |            | 3          | 3         | 23.27                | 23.27   | 23.28   | 24.5    |         |
|                       |            | 6          | 0         | 21.79                | 21.86   | 21.72   | 23.5    |         |
|                       | 16QAM      | 1          | 0         | 22.18                | 22.06   | 22.02   | 23.5    |         |
|                       |            | 1          | 2         | 21.84                | 22.12   | 21.83   | 23.5    |         |
|                       |            | 1          | 5         | 21.99                | 22.08   | 22.03   | 23.5    |         |
|                       |            | 3          | 0         | 21.79                | 21.86   | 21.86   | 23.5    |         |
|                       |            | 3          | 2         | 21.59                | 21.81   | 21.72   | 23.5    |         |
|                       |            | 3          | 3         | 21.88                | 21.76   | 21.84   | 23.5    |         |
|                       |            | 6          | 0         | 20.85                | 20.77   | 20.74   | 22.5    |         |
|                       | 64QAM      | 1          | 0         | 21.71                | 21.46   | 21.56   | 22.5    |         |
|                       |            | 1          | 2         | 21.18                | 21.41   | 21.3    | 22.5    |         |
|                       |            | 1          | 5         | 21.41                | 21.53   | 21.58   | 22.5    |         |
|                       |            | 3          | 0         | 21.66                | 21.62   | 21.52   | 22.5    |         |
|                       |            | 3          | 2         | 21.12                | 21.34   | 21.33   | 22.5    |         |
|                       |            | 3          | 3         | 21.39                | 21.63   | 21.43   | 22.5    |         |
|                       |            | 6          | 0         | 20.26                | 20.24   | 20.37   | 21.5    |         |
|                       | Bandwidth  | Modulation | RB size   | RB offset            | Channel | Channel | Channel | Tune up |
|                       |            |            |           |                      | 20415   | 20525   | 20635   |         |
|                       | 3MHz       | QPSK       | 1         | 0                    | 23.46   | 23.4    | 23.43   | 24.5    |
| 1                     |            |            | 7         | 23.05                | 23.12   | 22.83   | 24.5    |         |
| 1                     |            |            | 14        | 23.43                | 23.43   | 23.4    | 24.5    |         |
| 8                     |            |            | 0         | 21.83                | 21.82   | 21.8    | 23.5    |         |
| 8                     |            |            | 4         | 21.77                | 21.8    | 21.79   | 23.5    |         |
| 8                     |            |            | 7         | 21.75                | 21.88   | 21.76   | 23.5    |         |
| 15                    |            |            | 0         | 21.82                | 21.83   | 21.84   | 23.5    |         |
| 16QAM                 |            | 1          | 0         | 22.21                | 22.2    | 22.09   | 23.5    |         |
|                       |            | 1          | 7         | 21.52                | 21.69   | 21.64   | 23.5    |         |
|                       |            | 1          | 14        | 22.1                 | 22.18   | 22.06   | 23.5    |         |
|                       |            | 8          | 0         | 20.74                | 20.84   | 20.78   | 22.5    |         |
|                       |            | 8          | 4         | 20.76                | 20.76   | 20.8    | 22.5    |         |
|                       |            | 8          | 7         | 20.72                | 20.76   | 20.69   | 22.5    |         |
|                       |            | 15         | 0         | 20.81                | 20.81   | 20.79   | 22.5    |         |
| 64QAM                 |            | 1          | 0         | 21.64                | 21.45   | 21.57   | 22.5    |         |

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|           |            | 1       | 7         | 21.14   | 21.28   | 21.25   | 22.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 14        | 21.41   | 21.63   | 21.48   | 22.5    |
|           |            | 8       | 0         | 20.38   | 20.31   | 20.38   | 21.5    |
|           |            | 8       | 4         | 20.39   | 20.46   | 20.35   | 21.5    |
|           |            | 8       | 7         | 20.29   | 20.29   | 20.3    | 21.5    |
|           |            | 15      | 0         | 20.18   | 20.36   | 20.29   | 21.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.47   | 23.42   | 23.36   | 24.5    |
|           |            | 1       | 13        | 23.53   | 23.47   | 23.41   | 24.5    |
|           |            | 1       | 24        | 23.39   | 23.39   | 23.49   | 24.5    |
|           |            | 12      | 0         | 21.91   | 21.93   | 21.9    | 23.5    |
|           |            | 12      | 6         | 21.86   | 21.88   | 21.85   | 23.5    |
|           |            | 12      | 13        | 21.85   | 21.92   | 21.89   | 23.5    |
|           |            | 25      | 0         | 21.83   | 21.86   | 21.9    | 23.5    |
|           | 16QAM      | 1       | 0         | 22.15   | 22.17   | 22.07   | 23.5    |
|           |            | 1       | 13        | 22.09   | 22.11   | 22.05   | 23.5    |
|           |            | 1       | 24        | 22.1    | 22.1    | 22.1    | 23.5    |
|           |            | 12      | 0         | 20.85   | 20.9    | 20.84   | 22.5    |
|           |            | 12      | 6         | 20.75   | 20.83   | 20.8    | 22.5    |
|           |            | 12      | 13        | 20.83   | 20.88   | 20.85   | 22.5    |
|           |            | 25      | 0         | 20.79   | 20.78   | 20.81   | 22.5    |
|           | 64QAM      | 1       | 0         | 21.64   | 21.55   | 21.44   | 22.5    |
|           |            | 1       | 13        | 21.16   | 21.36   | 21.37   | 22.5    |
|           |            | 1       | 24        | 21.5    | 21.56   | 21.41   | 22.5    |
|           |            | 12      | 0         | 20.35   | 20.27   | 20.41   | 21.5    |
|           |            | 12      | 6         | 20.21   | 20.44   | 20.36   | 21.5    |
|           |            | 12      | 13        | 20.24   | 20.37   | 20.35   | 21.5    |
|           |            | 25      | 0         | 20.27   | 20.3    | 20.3    | 21.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.38   | 23.33   | 23.36   | 24.5    |
|           |            | 1       | 25        | 23.2    | 23.19   | 22.97   | 24.5    |
|           |            | 1       | 49        | 23.37   | 23.36   | 23.28   | 24.5    |
|           |            | 25      | 0         | 21.83   | 21.87   | 21.92   | 23.5    |
|           |            | 25      | 13        | 21.82   | 21.87   | 21.89   | 23.5    |
|           |            | 25      | 25        | 21.82   | 21.88   | 21.87   | 23.5    |
|           |            | 50      | 0         | 21.81   | 21.87   | 21.89   | 23.5    |
|           | 16QAM      | 1       | 0         | 22.1    | 21.99   | 22.17   | 23.5    |
|           |            | 1       | 25        | 21.99   | 21.98   | 22.05   | 23.5    |
|           |            | 1       | 49        | 22.06   | 22.13   | 22.03   | 23.5    |
|           |            | 25      | 0         | 20.78   | 20.76   | 20.84   | 22.5    |
|           |            | 25      | 13        | 20.77   | 20.8    | 20.78   | 22.5    |
|           |            | 25      | 25        | 20.78   | 20.83   | 20.84   | 22.5    |
|           |            | 50      | 0         | 20.79   | 20.78   | 20.8    | 22.5    |
|           | 64QAM      | 1       | 0         | 21.72   | 21.63   | 21.62   | 22.5    |
|           |            | 1       | 25        | 21.28   | 21.42   | 21.4    | 22.5    |

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|  |  |    |    |       |       |       |      |
|--|--|----|----|-------|-------|-------|------|
|  |  | 1  | 49 | 21.53 | 21.68 | 21.58 | 22.5 |
|  |  | 25 | 0  | 20.42 | 20.4  | 20.47 | 21.5 |
|  |  | 25 | 13 | 20.39 | 20.46 | 20.43 | 21.5 |
|  |  | 25 | 25 | 20.4  | 20.43 | 20.42 | 21.5 |
|  |  | 50 | 0  | 20.36 | 20.44 | 20.42 | 21.5 |

| LTE Band 7 Full power |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                  | QPSK       | 1       | 0         | 22.69                | 22.71   | 22.67   | 23.8    |
|                       |            | 1       | 13        | 22.68                | 22.71   | 22.7    | 23.8    |
|                       |            | 1       | 24        | 22.71                | 22.75   | 22.64   | 23.8    |
|                       |            | 12      | 0         | 21.18                | 21.2    | 21.2    | 22.8    |
|                       |            | 12      | 6         | 21.11                | 21.17   | 21.11   | 22.8    |
|                       |            | 12      | 13        | 21.19                | 21.21   | 21.2    | 22.8    |
|                       |            | 25      | 0         | 21.17                | 21.2    | 21.15   | 22.8    |
|                       | 16QAM      | 1       | 0         | 21.47                | 21.55   | 21.5    | 22.8    |
|                       |            | 1       | 13        | 21.42                | 21.5    | 21.5    | 22.8    |
|                       |            | 1       | 24        | 21.49                | 21.57   | 21.36   | 22.8    |
|                       |            | 12      | 0         | 20.16                | 20.21   | 20.17   | 21.8    |
|                       |            | 12      | 6         | 20.14                | 20.14   | 20.12   | 21.8    |
|                       |            | 12      | 13        | 20.19                | 20.23   | 20.15   | 21.8    |
|                       |            | 25      | 0         | 20.13                | 20.13   | 20.08   | 21.8    |
|                       | 64QAM      | 1       | 0         | 20.75                | 20.45   | 20.63   | 21.8    |
|                       |            | 1       | 13        | 20.24                | 19.93   | 20.11   | 21.8    |
|                       |            | 1       | 24        | 20.84                | 20.65   | 20.45   | 21.8    |
|                       |            | 12      | 0         | 19.64                | 19.18   | 19.18   | 20.8    |
|                       |            | 12      | 6         | 19.5                 | 19.3    | 19.14   | 20.8    |
|                       |            | 12      | 13        | 19.54                | 19.26   | 19.27   | 20.8    |
|                       |            | 25      | 0         | 19.58                | 19.23   | 19.14   | 20.8    |
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz                 | QPSK       | 1       | 0         | 22.64                | 22.66   | 22.65   | 23.8    |
|                       |            | 1       | 25        | 22.68                | 22.46   | 22.39   | 23.8    |
|                       |            | 1       | 49        | 22.71                | 22.67   | 22.64   | 23.8    |
|                       |            | 25      | 0         | 21.16                | 21.24   | 21.17   | 22.8    |
|                       |            | 25      | 13        | 21.15                | 21.18   | 21.1    | 22.8    |
|                       |            | 25      | 25        | 21.2                 | 21.22   | 21.21   | 22.8    |
|                       |            | 50      | 0         | 21.18                | 21.2    | 21.13   | 22.8    |
|                       | 16QAM      | 1       | 0         | 21.31                | 21.48   | 21.48   | 22.8    |
|                       |            | 1       | 25        | 21.32                | 21.34   | 21.25   | 22.8    |
|                       |            | 1       | 49        | 21.47                | 21.58   | 21.53   | 22.8    |
|                       |            | 25      | 0         | 20.13                | 20.2    | 20.11   | 21.8    |
|                       |            | 25      | 13        | 20.13                | 20.13   | 20.09   | 21.8    |
|                       |            | 25      | 25        | 20.14                | 20.15   | 20.11   | 21.8    |

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|           | 64QAM      | 50      | 0         | 20.1         | 20.14        | 20.09        | 21.8    |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            | 1       | 0         | 20.8         | 20.57        | 20.63        | 21.8    |
|           |            | 1       | 25        | 20.14        | 20.06        | 20.11        | 21.8    |
|           |            | 1       | 49        | 20.67        | 20.51        | 20.39        | 21.8    |
|           |            | 25      | 0         | 19.47        | 19.18        | 19.18        | 20.8    |
|           |            | 25      | 13        | 19.59        | 19.28        | 19.12        | 20.8    |
|           |            | 25      | 25        | 19.47        | 19.16        | 19.13        | 20.8    |
|           |            | 50      | 0         | 19.64        | 19.26        | 19.09        | 20.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 20825        | 21100        | 21375        |         |
| 15MHz     | QPSK       | 1       | 0         | 22.66        | 22.64        | 22.63        | 23.8    |
|           |            | 1       | 38        | 22.77        | 22.78        | 22.7         | 23.8    |
|           |            | 1       | 74        | 22.71        | 22.74        | 22.7         | 23.8    |
|           |            | 36      | 0         | 21.21        | 21.24        | 21.22        | 22.8    |
|           |            | 36      | 18        | 21.26        | 21.27        | 21.23        | 22.8    |
|           |            | 36      | 39        | 21.24        | 21.25        | 21.25        | 22.8    |
|           |            | 75      | 0         | 21.24        | 21.24        | 21.22        | 22.8    |
|           | 16QAM      | 1       | 0         | 21.41        | 21.41        | 21.42        | 22.8    |
|           |            | 1       | 38        | 21.43        | 21.53        | 21.49        | 22.8    |
|           |            | 1       | 74        | 21.51        | 21.46        | 21.5         | 22.8    |
|           |            | 36      | 0         | 20.2         | 20.23        | 20.13        | 21.8    |
|           |            | 36      | 18        | 20.19        | 20.18        | 20.16        | 21.8    |
|           |            | 36      | 39        | 20.24        | 20.24        | 20.19        | 21.8    |
|           |            | 75      | 0         | 20.16        | 20.19        | 20.16        | 21.8    |
|           | 64QAM      | 1       | 0         | 20.77        | 20.42        | 20.62        | 21.8    |
|           |            | 1       | 38        | 20.31        | 19.91        | 19.95        | 21.8    |
|           |            | 1       | 74        | 20.67        | 20.59        | 20.44        | 21.8    |
|           |            | 36      | 0         | 19.5         | 19.34        | 19.14        | 20.8    |
|           |            | 36      | 18        | 19.5         | 19.15        | 19.09        | 20.8    |
|           |            | 36      | 39        | 19.56        | 19.27        | 19.09        | 20.8    |
|           |            | 75      | 0         | 19.51        | 19.19        | 19.14        | 20.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 20850        | 21100        | 21350        |         |
| 20MHz     | QPSK       | 1       | 0         | 22.74        | 22.77        | 22.79        | 23.8    |
|           |            | 1       | 50        | 22.48        | 22.2         | 22.25        | 23.8    |
|           |            | 1       | 99        | <b>22.82</b> | <b>22.86</b> | <b>22.83</b> | 23.8    |
|           |            | 50      | 0         | 21.21        | <b>21.29</b> | 21.16        | 22.8    |
|           |            | 50      | 25        | 21.17        | 21.23        | 21.14        | 22.8    |
|           |            | 50      | 50        | 21.2         | 21.23        | 21.24        | 22.8    |
|           |            | 100     | 0         | 21.23        | 21.28        | 21.18        | 22.8    |
|           | 16QAM      | 1       | 0         | 21.44        | 21.49        | 21.53        | 22.8    |
|           |            | 1       | 50        | 20.98        | 20.94        | 21.14        | 22.8    |
|           |            | 1       | 99        | 21.56        | 21.69        | 21.58        | 22.8    |
|           |            | 50      | 0         | 20.16        | 20.21        | 20.13        | 21.8    |
|           |            | 50      | 25        | 20.12        | 20.14        | 20.13        | 21.8    |
|           |            | 50      | 50        | 20.19        | 20.21        | 20.16        | 21.8    |
|           |            | 100     | 0         | 20.17        | 20.18        | 20.09        | 21.8    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  | 64QAM | 1   | 0  | 20.82 | 20.58 | 20.67 | 21.8 |
|  |       | 1   | 50 | 20.33 | 20.1  | 20.13 | 21.8 |
|  |       | 1   | 99 | 20.86 | 20.69 | 20.53 | 21.8 |
|  |       | 50  | 0  | 19.65 | 19.36 | 19.29 | 20.8 |
|  |       | 50  | 25 | 19.64 | 19.34 | 19.25 | 20.8 |
|  |       | 50  | 50 | 19.67 | 19.34 | 19.28 | 20.8 |
|  |       | 100 | 0  | 19.65 | 19.34 | 19.25 | 20.8 |

| LTE Band 7 Hotspot on |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                  | QPSK       | 1       | 0         | 19.64                | 19.74   | 19.67   | 20.8    |
|                       |            | 1       | 13        | 19.74                | 19.73   | 19.7    | 20.8    |
|                       |            | 1       | 24        | 19.76                | 19.71   | 19.72   | 20.8    |
|                       |            | 12      | 0         | 19.74                | 19.75   | 19.71   | 20.8    |
|                       |            | 12      | 6         | 19.71                | 19.77   | 19.57   | 20.8    |
|                       |            | 12      | 13        | 19.71                | 19.81   | 19.71   | 20.8    |
|                       |            | 25      | 0         | 19.7                 | 19.71   | 19.68   | 20.8    |
|                       | 16QAM      | 1       | 0         | 19.94                | 20.07   | 19.94   | 20.8    |
|                       |            | 1       | 13        | 19.97                | 20.12   | 20.05   | 20.8    |
|                       |            | 1       | 24        | 19.98                | 20.02   | 19.89   | 20.8    |
|                       |            | 12      | 0         | 19.69                | 19.78   | 19.77   | 20.8    |
|                       |            | 12      | 6         | 19.68                | 19.71   | 19.74   | 20.8    |
|                       |            | 12      | 13        | 19.73                | 19.74   | 19.72   | 20.8    |
|                       |            | 25      | 0         | 19.66                | 19.69   | 19.64   | 20.8    |
|                       | 64QAM      | 1       | 0         | 19.66                | 19.66   | 19.66   | 20.8    |
|                       |            | 1       | 13        | 19.66                | 19.66   | 19.66   | 20.8    |
|                       |            | 1       | 24        | 19.66                | 19.66   | 19.66   | 20.8    |
|                       |            | 12      | 0         | 19.66                | 19.66   | 19.66   | 20.8    |
|                       |            | 12      | 6         | 19.66                | 19.66   | 19.66   | 20.8    |
|                       |            | 12      | 13        | 19.66                | 19.66   | 19.66   | 20.8    |
|                       |            | 25      | 0         | 19.66                | 19.66   | 19.66   | 20.8    |
| 10MHz                 | QPSK       | 1       | 0         | 19.63                | 19.7    | 19.66   | 20.8    |
|                       |            | 1       | 25        | 19.14                | 19.45   | 19.5    | 20.8    |
|                       |            | 1       | 49        | 19.72                | 19.7    | 19.69   | 20.8    |
|                       |            | 25      | 0         | 19.73                | 19.76   | 19.7    | 20.8    |
|                       |            | 25      | 13        | 19.74                | 19.73   | 19.71   | 20.8    |
|                       |            | 25      | 25        | 19.73                | 19.78   | 19.73   | 20.8    |
|                       |            | 50      | 0         | 19.68                | 19.74   | 19.7    | 20.8    |
|                       | 16QAM      | 1       | 0         | 20.08                | 19.98   | 20.02   | 20.8    |
|                       |            | 1       | 25        | 19.64                | 19.61   | 19.81   | 20.8    |
|                       |            | 1       | 49        | 19.96                | 20.08   | 19.98   | 20.8    |
|                       |            | 25      | 0         | 19.66                | 19.65   | 19.66   | 20.8    |
|                       |            | 1       | 0         | 19.63                | 19.7    | 19.66   | 20.8    |
|                       |            | 1       | 25        | 19.14                | 19.45   | 19.5    | 20.8    |
|                       |            | 1       | 49        | 19.72                | 19.7    | 19.69   | 20.8    |
|                       |            | 25      | 0         | 19.73                | 19.76   | 19.7    | 20.8    |
|                       |            | 25      | 13        | 19.74                | 19.73   | 19.71   | 20.8    |
|                       |            | 25      | 25        | 19.73                | 19.78   | 19.73   | 20.8    |
|                       |            | 50      | 0         | 19.68                | 19.74   | 19.7    | 20.8    |

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|           | 64QAM      | 25      | 13        | 19.67        | 19.69        | 19.64        | 20.8    |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            | 25      | 25        | 19.68        | 19.71        | 19.68        | 20.8    |
|           |            | 50      | 0         | 19.63        | 19.68        | 19.62        | 20.8    |
|           |            | 1       | 0         | 19.66        | 19.66        | 19.66        | 20.8    |
|           |            | 1       | 25        | 19.66        | 19.66        | 19.66        | 20.8    |
|           |            | 1       | 49        | 19.66        | 19.66        | 19.66        | 20.8    |
|           |            | 25      | 0         | 19.66        | 19.66        | 19.66        | 20.8    |
|           |            | 25      | 13        | 19.66        | 19.66        | 19.66        | 20.8    |
|           |            | 25      | 25        | 19.66        | 19.66        | 19.66        | 20.8    |
|           |            | 50      | 0         | 19.66        | 19.66        | 19.66        | 20.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 20825        | 21100        | 21375        |         |
| 15MHz     | QPSK       | 1       | 0         | 19.67        | 19.58        | 19.65        | 20.8    |
|           |            | 1       | 38        | 19.72        | 19.79        | 19.73        | 20.8    |
|           |            | 1       | 74        | 19.71        | 19.76        | 19.74        | 20.8    |
|           |            | 36      | 0         | 19.77        | 19.84        | 19.74        | 20.8    |
|           |            | 36      | 18        | 19.78        | 19.76        | 19.76        | 20.8    |
|           |            | 36      | 39        | 19.81        | 19.82        | 19.78        | 20.8    |
|           |            | 75      | 0         | 19.76        | 19.79        | 19.77        | 20.8    |
|           |            | 1       | 0         | 19.95        | 19.93        | 19.92        | 20.8    |
|           | 16QAM      | 1       | 38        | 20.14        | 20.1         | 20.04        | 20.8    |
|           |            | 1       | 74        | 20.08        | 20.08        | 20.05        | 20.8    |
|           |            | 36      | 0         | 19.69        | 19.77        | 19.71        | 20.8    |
|           |            | 36      | 18        | 19.72        | 19.73        | 19.71        | 20.8    |
|           |            | 36      | 39        | 19.71        | 19.78        | 19.73        | 20.8    |
|           |            | 75      | 0         | 19.67        | 19.73        | 19.68        | 20.8    |
|           |            | 1       | 0         | 19.66        | 19.66        | 19.66        | 20.8    |
|           |            | 1       | 38        | 19.66        | 19.66        | 19.66        | 20.8    |
|           | 64QAM      | 1       | 74        | 19.66        | 19.66        | 19.66        | 20.8    |
|           |            | 36      | 0         | 19.66        | 19.66        | 19.66        | 20.8    |
|           |            | 36      | 18        | 19.66        | 19.66        | 19.66        | 20.8    |
|           |            | 36      | 39        | 19.66        | 19.66        | 19.66        | 20.8    |
|           |            | 75      | 0         | 19.66        | 19.66        | 19.66        | 20.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 20850        | 21100        | 21350        |         |
| 20MHz     | QPSK       | 1       | 0         | 19.78        | 19.72        | 19.8         | 20.8    |
|           |            | 1       | 50        | 19.35        | 19.4         | 19.19        | 20.8    |
|           |            | 1       | 99        | <b>19.81</b> | <b>19.86</b> | <b>19.82</b> | 20.8    |
|           |            | 50      | 0         | 19.73        | <b>19.79</b> | 19.68        | 20.8    |
|           |            | 50      | 25        | 19.69        | 19.74        | 19.68        | 20.8    |
|           |            | 50      | 50        | 19.7         | 19.75        | 19.76        | 20.8    |
|           |            | 100     | 0         | 19.73        | 19.78        | <b>19.71</b> | 20.8    |
|           | 16QAM      | 1       | 0         | 19.95        | 19.97        | 20.1         | 20.8    |
|           |            | 1       | 50        | 19.66        | 19.82        | 19.67        | 20.8    |
|           |            | 1       | 99        | 20.06        | 20.19        | 20.04        | 20.8    |
|           |            | 50      | 0         | 19.64        | 19.71        | 19.61        | 20.8    |
|           |            | 50      | 25        | 19.62        | 19.68        | 19.59        | 20.8    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 50  | 50 | 19.68 | 19.71 | 19.68 | 20.8 |
|  |       | 100 | 0  | 19.67 | 19.72 | 19.65 | 20.8 |
|  | 64QAM | 1   | 0  | 19.76 | 19.95 | 19.85 | 20.8 |
|  |       | 1   | 50 | 19.28 | 19.4  | 19.32 | 20.8 |
|  |       | 1   | 99 | 19.89 | 19.99 | 19.88 | 20.8 |
|  |       | 50  | 0  | 19.52 | 19.71 | 19.57 | 20.8 |
|  |       | 50  | 25 | 19.48 | 19.67 | 19.53 | 20.8 |
|  |       | 50  | 50 | 19.52 | 19.66 | 19.53 | 20.8 |
|  |       | 100 | 0  | 19.54 | 19.65 | 19.51 | 20.8 |

| LTE Band 12 Full power |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 22.85                | 22.8    | 22.83   | 24      |
|                        |            | 1       | 2         | 22.15                | 22.22   | 22.31   | 24      |
|                        |            | 1       | 5         | 22.87                | 22.81   | 22.84   | 24      |
|                        |            | 3       | 0         | 22.89                | 22.73   | 22.68   | 24      |
|                        |            | 3       | 2         | 22.69                | 22.6    | 22.52   | 24      |
|                        |            | 3       | 3         | 22.77                | 22.48   | 22.6    | 24      |
|                        |            | 6       | 0         | 21.72                | 21.75   | 21.78   | 23      |
|                        | 16QAM      | 1       | 0         | 22.15                | 22.03   | 22.08   | 23      |
|                        |            | 1       | 2         | 21.85                | 21.6    | 21.67   | 23      |
|                        |            | 1       | 5         | 22.14                | 22.09   | 22.03   | 23      |
|                        |            | 3       | 0         | 21.83                | 21.78   | 21.86   | 23      |
|                        |            | 3       | 2         | 21.8                 | 21.58   | 21.54   | 23      |
|                        |            | 3       | 3         | 21.84                | 21.83   | 21.7    | 23      |
|                        |            | 6       | 0         | 20.8                 | 20.79   | 20.79   | 22      |
|                        | 64QAM      | 1       | 0         | 20.98                | 20.95   | 20.82   | 22      |
|                        |            | 1       | 2         | 20.62                | 20.68   | 20.68   | 22      |
|                        |            | 1       | 5         | 20.82                | 20.86   | 20.97   | 22      |
|                        |            | 3       | 0         | 21                   | 21.06   | 20.89   | 22      |
|                        |            | 3       | 2         | 20.75                | 20.72   | 20.69   | 22      |
|                        |            | 3       | 3         | 20.95                | 20.93   | 20.88   | 22      |
|                        |            | 6       | 0         | 19.7                 | 19.83   | 19.73   | 21      |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 23025                | 23095   | 23165   |         |
| 3MHz                   | QPSK       | 1       | 0         | 22.91                | 22.79   | 22.9    | 24      |
|                        |            | 1       | 7         | 22.3                 | 22.18   | 22.37   | 24      |
|                        |            | 1       | 14        | 22.82                | 22.83   | 22.85   | 24      |
|                        |            | 8       | 0         | 21.84                | 21.74   | 21.9    | 23      |
|                        |            | 8       | 4         | 21.78                | 21.8    | 21.77   | 23      |
|                        |            | 8       | 7         | 21.72                | 21.79   | 21.72   | 23      |
|                        |            | 15      | 0         | 21.76                | 21.82   | 21.84   | 23      |
|                        | 16QAM      | 1       | 0         | 22.16                | 22.07   | 22.05   | 23      |
|                        |            | 1       | 7         | 21.77                | 21.85   | 21.85   | 23      |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 1              | 14               | 22.19          | 22.14          | 22.11          | 23             |
|                  |                   | 8              | 0                | 20.75          | 20.74          | 20.74          | 22             |
|                  |                   | 8              | 4                | 20.79          | 20.72          | 20.81          | 22             |
|                  |                   | 8              | 7                | 20.7           | 20.73          | 20.73          | 22             |
|                  |                   | 15             | 0                | 20.73          | 20.78          | 20.79          | 22             |
|                  | 64QAM             | 1              | 0                | 21.11          | 20.93          | 20.82          | 22             |
|                  |                   | 1              | 7                | 20.68          | 20.68          | 20.66          | 22             |
|                  |                   | 1              | 14               | 20.79          | 20.89          | 21.01          | 22             |
|                  |                   | 8              | 0                | 19.74          | 19.76          | 19.71          | 21             |
|                  |                   | 8              | 4                | 19.68          | 19.67          | 19.79          | 21             |
|                  |                   | 8              | 7                | 19.71          | 19.64          | 19.69          | 21             |
|                  |                   | 15             | 0                | 19.66          | 19.81          | 19.81          | 21             |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 23035          | 23095          | 23155          |                |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 23.03          | 22.91          | 22.93          | 24             |
|                  |                   | 1              | 13               | 22.95          | 22.93          | 22.9           | 24             |
|                  |                   | 1              | 24               | 22.93          | 22.92          | 22.92          | 24             |
|                  |                   | 12             | 0                | 21.95          | 21.86          | 21.84          | 23             |
|                  |                   | 12             | 6                | 21.85          | 21.87          | 21.79          | 23             |
|                  |                   | 12             | 13               | 21.9           | 21.9           | 21.99          | 23             |
|                  |                   | 25             | 0                | 21.86          | 21.84          | 21.84          | 23             |
|                  | 16QAM             | 1              | 0                | 22.21          | 22.15          | 22.08          | 23             |
|                  |                   | 1              | 13               | 22.21          | 22.06          | 22.19          | 23             |
|                  |                   | 1              | 24               | 22.27          | 22.21          | 22.04          | 23             |
|                  |                   | 12             | 0                | 20.92          | 20.86          | 20.81          | 22             |
|                  |                   | 12             | 6                | 20.86          | 20.86          | 20.78          | 22             |
|                  |                   | 12             | 13               | 20.92          | 20.85          | 20.94          | 22             |
|                  |                   | 25             | 0                | 20.77          | 20.73          | 20.79          | 22             |
|                  | 64QAM             | 1              | 0                | 21             | 20.91          | 20.84          | 22             |
|                  |                   | 1              | 13               | 20.77          | 20.69          | 20.62          | 22             |
|                  |                   | 1              | 24               | 20.97          | 20.85          | 20.94          | 22             |
|                  |                   | 12             | 0                | 19.76          | 19.74          | 19.85          | 21             |
|                  |                   | 12             | 6                | 19.69          | 19.61          | 19.71          | 21             |
|                  |                   | 12             | 13               | 19.75          | 19.73          | 19.81          | 21             |
|                  |                   | 25             | 0                | 19.75          | 19.71          | 19.74          | 21             |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 23060          | 23095          | 23130          |                |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 22.9           | 22.86          | 22.81          | 24             |
|                  |                   | 1              | 25               | 22.59          | 22.6           | 22.78          | 24             |
|                  |                   | 1              | 49               | <b>22.9</b>    | <b>22.96</b>   | <b>22.97</b>   | 24             |
|                  |                   | 25             | 0                | 21.87          | 21.85          | 21.87          | 23             |
|                  |                   | 25             | 13               | 21.89          | 21.84          | 21.88          | 23             |
|                  |                   | 25             | 25               | 21.85          | 21.87          | <b>21.91</b>   | 23             |
|                  |                   | 50             | 0                | 21.87          | 21.9           | 21.91          | 23             |
|                  | 16QAM             | 1              | 0                | 22.28          | 22.15          | 22.11          | 23             |
|                  |                   | 1              | 25               | 22.06          | 22.15          | 21.92          | 23             |
|                  |                   | 1              | 49               | 22.25          | 22.19          | 22.12          | 23             |

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|  |       |    |    |       |       |       |    |
|--|-------|----|----|-------|-------|-------|----|
|  |       | 25 | 0  | 20.81 | 20.77 | 20.79 | 22 |
|  |       | 25 | 13 | 20.83 | 20.77 | 20.81 | 22 |
|  |       | 25 | 25 | 20.81 | 20.81 | 20.85 | 22 |
|  |       | 50 | 0  | 20.77 | 20.88 | 20.87 | 22 |
|  | 64QAM | 1  | 0  | 21.16 | 21.07 | 20.94 | 22 |
|  |       | 1  | 25 | 20.78 | 20.76 | 20.72 | 22 |
|  |       | 1  | 49 | 20.97 | 21    | 21.06 | 22 |
|  |       | 25 | 0  | 19.86 | 19.82 | 19.88 | 21 |
|  |       | 25 | 13 | 19.83 | 19.77 | 19.82 | 21 |
|  |       | 25 | 25 | 19.76 | 19.81 | 19.85 | 21 |
|  |       | 50 | 0  | 19.8  | 19.84 | 19.86 | 21 |

| LTE Band 17 Full power |            |         |           | Conducted Power(dBm) |              |              |         |
|------------------------|------------|---------|-----------|----------------------|--------------|--------------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel      | Channel      | Tune up |
|                        |            |         |           | 23755                | 23790        | 23825        |         |
| 5MHz                   | QPSK       | 1       | 0         | 22.9                 | 22.84        | 22.84        | 24      |
|                        |            | 1       | 13        | 22.88                | 22.91        | 22.84        | 24      |
|                        |            | 1       | 24        | 22.88                | 22.87        | 22.94        | 24      |
|                        |            | 12      | 0         | 21.89                | 21.88        | 21.84        | 23      |
|                        |            | 12      | 6         | 21.9                 | 21.85        | 21.76        | 23      |
|                        |            | 12      | 13        | 21.93                | 21.91        | 21.82        | 23      |
|                        |            | 25      | 0         | 21.87                | 21.86        | 21.82        | 23      |
|                        | 16QAM      | 1       | 0         | 22.11                | 22.04        | 21.93        | 23      |
|                        |            | 1       | 13        | 22.15                | 22.17        | 22.21        | 23      |
|                        |            | 1       | 24        | 22.19                | 22.02        | 22.11        | 23      |
|                        |            | 12      | 0         | 20.85                | 20.86        | 20.87        | 22      |
|                        |            | 12      | 6         | 20.84                | 20.8         | 20.75        | 22      |
|                        |            | 12      | 13        | 20.88                | 20.92        | 20.86        | 22      |
|                        |            | 25      | 0         | 20.81                | 20.74        | 20.76        | 22      |
|                        | 64QAM      | 1       | 0         | 21.01                | 20.93        | 20.87        | 22      |
|                        |            | 1       | 13        | 20.51                | 20.79        | 20.6         | 22      |
|                        |            | 1       | 24        | 20.79                | 20.95        | 21.02        | 22      |
|                        |            | 12      | 0         | 19.71                | 19.72        | 19.74        | 21      |
|                        |            | 12      | 6         | 19.7                 | 19.79        | 19.65        | 21      |
|                        |            | 12      | 13        | 19.75                | 19.69        | 19.6         | 21      |
|                        |            | 25      | 0         | 19.8                 | 19.77        | 19.64        | 21      |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel      | Channel      | Tune up |
|                        |            |         |           | 23780                | 23790        | 23800        |         |
| 10MHz                  | QPSK       | 1       | 0         | 22.8                 | 22.9         | 22.8         | 24      |
|                        |            | 1       | 25        | 22.68                | 22.58        | 22.73        | 24      |
|                        |            | 1       | 49        | <b>22.91</b>         | <b>22.86</b> | <b>22.98</b> | 24      |
|                        |            | 25      | 0         | 21.87                | 21.86        | 21.8         | 23      |
|                        |            | 25      | 13        | 21.85                | 21.83        | 21.84        | 23      |
|                        |            | 25      | 25        | 21.87                | 21.87        | <b>21.88</b> | 23      |
|                        |            | 50      | 0         | 21.87                | 21.91        | 21.84        | 23      |

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|  |       |    |    |       |       |       |    |
|--|-------|----|----|-------|-------|-------|----|
|  | 16QAM | 1  | 0  | 22.12 | 22.15 | 22.05 | 23 |
|  |       | 1  | 25 | 22.11 | 21.94 | 21.93 | 23 |
|  |       | 1  | 49 | 22.15 | 22.13 | 22.2  | 23 |
|  |       | 25 | 0  | 20.79 | 20.78 | 20.75 | 22 |
|  |       | 25 | 13 | 20.82 | 20.77 | 20.81 | 22 |
|  |       | 25 | 25 | 20.84 | 20.86 | 20.82 | 22 |
|  |       | 50 | 0  | 20.84 | 20.88 | 20.83 | 22 |
|  | 64QAM | 1  | 0  | 21.1  | 21.08 | 20.98 | 22 |
|  |       | 1  | 25 | 20.7  | 20.81 | 20.77 | 22 |
|  |       | 1  | 49 | 20.89 | 21.03 | 21.08 | 22 |
|  |       | 25 | 0  | 19.86 | 19.83 | 19.82 | 21 |
|  |       | 25 | 13 | 19.8  | 19.79 | 19.81 | 21 |
|  |       | 25 | 25 | 19.85 | 19.82 | 19.79 | 21 |
|  |       | 50 | 0  | 19.81 | 19.86 | 19.81 | 21 |

| LTE Band 26 Full power |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 22.73                | 22.12   | 22.04   | 24      |
|                        |            | 1       | 2         | 22.09                | 22.2    | 22.25   | 24      |
|                        |            | 1       | 5         | 22.85                | 22.84   | 22.89   | 24      |
|                        |            | 3       | 0         | 22.08                | 22.15   | 22.02   | 24      |
|                        |            | 3       | 2         | 22.53                | 22.69   | 22.52   | 24      |
|                        |            | 3       | 3         | 22.67                | 22.63   | 22.64   | 24      |
|                        |            | 6       | 0         | 21.26                | 21.3    | 21.23   | 23      |
|                        | 16QAM      | 1       | 0         | 21.14                | 21.19   | 21.08   | 23      |
|                        |            | 1       | 2         | 21.91                | 21.68   | 21.74   | 23      |
|                        |            | 1       | 5         | 22.05                | 22.12   | 22.11   | 23      |
|                        |            | 3       | 0         | 20.53                | 20.72   | 20.77   | 23      |
|                        |            | 3       | 2         | 21.61                | 21.68   | 21.63   | 23      |
|                        |            | 3       | 3         | 21.9                 | 21.76   | 21.74   | 23      |
|                        |            | 6       | 0         | 20.26                | 20.26   | 20.33   | 22      |
|                        | 64QAM      | 1       | 0         | 21.01                | 20.89   | 21.04   | 22      |
|                        |            | 1       | 2         | 20.96                | 21.04   | 21.16   | 22      |
|                        |            | 1       | 5         | 21.02                | 21.06   | 21.07   | 22      |
|                        |            | 3       | 0         | 21.08                | 21      | 20.96   | 22      |
|                        |            | 3       | 2         | 21.04                | 21.1    | 21.05   | 22      |
|                        |            | 3       | 3         | 20.92                | 20.94   | 20.93   | 22      |
|                        |            | 6       | 0         | 19.74                | 19.78   | 19.86   | 21      |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                   | QPSK       | 1       | 0         | 26705                | 26865   | 27025   | 24      |

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|       |       |           |            |         |           |         |         |
|-------|-------|-----------|------------|---------|-----------|---------|---------|
|       |       | 1         | 7          | 22.58   | 22.3      | 22.34   | 24      |
|       |       | 1         | 14         | 22.83   | 22.9      | 22.92   | 24      |
|       |       | 8         | 0          | 21.29   | 21.31     | 21.26   | 23      |
|       |       | 8         | 4          | 21.28   | 21.19     | 21.23   | 23      |
|       |       | 8         | 7          | 21.31   | 21.32     | 21.35   | 23      |
|       |       | 15        | 0          | 21.33   | 21.33     | 21.28   | 23      |
|       | 16QAM | 1         | 0          | 22.13   | 22.06     | 22.04   | 23      |
|       |       | 1         | 7          | 21.79   | 21.99     | 21.69   | 23      |
|       |       | 1         | 14         | 22.07   | 22.03     | 22.06   | 23      |
|       |       | 8         | 0          | 20.25   | 20.27     | 20.24   | 22      |
|       |       | 8         | 4          | 20.26   | 20.21     | 20.16   | 22      |
|       |       | 8         | 7          | 20.21   | 20.24     | 20.12   | 22      |
|       | 64QAM | 15        | 0          | 20.24   | 20.32     | 20.26   | 22      |
|       |       | 1         | 0          | 20.99   | 20.9      | 20.97   | 22      |
|       |       | 1         | 7          | 21.07   | 21.1      | 21.17   | 22      |
|       |       | 1         | 14         | 21.02   | 21.04     | 21.01   | 22      |
|       |       | 8         | 0          | 19.93   | 19.81     | 19.96   | 21      |
|       |       | 8         | 4          | 19.85   | 19.85     | 19.8    | 21      |
|       |       | 8         | 7          | 19.81   | 19.84     | 19.95   | 21      |
|       |       | 15        | 0          | 19.81   | 19.82     | 19.82   | 21      |
|       |       | Bandwidth | Modulation | RB size | RB offset | Channel | Channel |
| 26715 | 26865 |           |            |         |           | 27015   |         |
| 5MHz  | QPSK  | 1         | 0          | 22.92   | 22.96     | 22.92   | 24      |
|       |       | 1         | 13         | 22.88   | 22.92     | 22.89   | 24      |
|       |       | 1         | 24         | 22.93   | 22.88     | 22.9    | 24      |
|       |       | 12        | 0          | 21.36   | 21.35     | 21.35   | 23      |
|       |       | 12        | 6          | 21.38   | 21.28     | 21.24   | 23      |
|       |       | 12        | 13         | 21.39   | 21.38     | 21.33   | 23      |
|       |       | 25        | 0          | 21.34   | 21.37     | 21.31   | 23      |
|       | 16QAM | 1         | 0          | 22.1    | 22.23     | 22.13   | 23      |
|       |       | 1         | 13         | 22.1    | 22.13     | 22.17   | 23      |
|       |       | 1         | 24         | 22.11   | 22.14     | 22.16   | 23      |
|       |       | 12        | 0          | 20.34   | 20.37     | 20.37   | 22      |
|       |       | 12        | 6          | 20.31   | 20.32     | 20.32   | 22      |
|       |       | 12        | 13         | 20.36   | 20.38     | 20.33   | 22      |
|       |       | 25        | 0          | 20.22   | 20.28     | 20.21   | 22      |
|       | 64QAM | 1         | 0          | 20.99   | 20.99     | 20.97   | 22      |
|       |       | 1         | 13         | 21.01   | 21.1      | 21.16   | 22      |
|       |       | 1         | 24         | 20.99   | 20.95     | 20.92   | 22      |
|       |       | 12        | 0          | 19.85   | 19.8      | 19.82   | 21      |
|       |       | 12        | 6          | 19.86   | 19.84     | 19.95   | 21      |
|       |       | 12        | 13         | 19.9    | 19.8      | 19.95   | 21      |

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|           |            | 25      | 0         | 19.73        | 19.85        | 19.86        | 21      |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 26750        | 26865        | 26990        |         |
| 10MHz     | QPSK       | 1       | 0         | 22.84        | 22.87        | 22.87        | 24      |
|           |            | 1       | 25        | 22.74        | 22.69        | 22.7         | 24      |
|           |            | 1       | 49        | 22.87        | 22.84        | 22.88        | 24      |
|           |            | 25      | 0         | 21.41        | 21.37        | 21.35        | 23      |
|           |            | 25      | 13        | 21.34        | 21.37        | 21.34        | 23      |
|           |            | 25      | 25        | 21.31        | 21.37        | 21.35        | 23      |
|           |            | 50      | 0         | 21.36        | 21.34        | 21.35        | 23      |
|           | 16QAM      | 1       | 0         | 22.01        | 22.03        | 22.06        | 23      |
|           |            | 1       | 25        | 22           | 22.09        | 21.9         | 23      |
|           |            | 1       | 49        | 21.97        | 22.04        | 22.12        | 23      |
|           |            | 25      | 0         | 20.35        | 20.31        | 20.31        | 22      |
|           |            | 25      | 13        | 20.28        | 20.35        | 20.31        | 22      |
|           |            | 25      | 25        | 20.29        | 20.28        | 20.26        | 22      |
|           |            | 50      | 0         | 20.24        | 20.3         | 20.29        | 22      |
|           | 64QAM      | 1       | 0         | 20.97        | 20.92        | 21           | 22      |
|           |            | 1       | 25        | 21.08        | 20.96        | 21.11        | 22      |
|           |            | 1       | 49        | 21.01        | 21           | 21.04        | 22      |
|           |            | 25      | 0         | 19.92        | 19.92        | 19.82        | 21      |
|           |            | 25      | 13        | 19.8         | 19.87        | 19.95        | 21      |
|           |            | 25      | 25        | 19.8         | 19.76        | 19.87        | 21      |
|           |            | 50      | 0         | 19.85        | 19.85        | 19.82        | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 26775        | 26865        | 26965        |         |
| 15MHz     | QPSK       | 1       | 0         | 22.9         | 22.81        | 22.89        | 24      |
|           |            | 1       | 38        | <b>22.94</b> | <b>22.88</b> | <b>22.93</b> | 24      |
|           |            | 1       | 74        | 22.89        | 22.84        | 22.82        | 24      |
|           |            | 36      | 0         | 21.42        | 21.43        | 21.45        | 23      |
|           |            | 36      | 18        | <b>21.45</b> | 21.42        | 21.41        | 23      |
|           |            | 36      | 39        | 21.39        | 21.41        | 21.4         | 23      |
|           |            | 75      | 0         | 21.37        | 21.4         | 21.36        | 23      |
|           | 16QAM      | 1       | 0         | 22.01        | 22.14        | 22.09        | 23      |
|           |            | 1       | 38        | 22.16        | 22.05        | 22.16        | 23      |
|           |            | 1       | 74        | 22.08        | 22.06        | 21.99        | 23      |
|           |            | 36      | 0         | 20.4         | 20.36        | 20.39        | 22      |
|           |            | 36      | 18        | 20.33        | 20.38        | 20.33        | 22      |
|           |            | 36      | 39        | 20.39        | 20.33        | 20.35        | 22      |
|           |            | 75      | 0         | 20.28        | 20.34        | 20.31        | 22      |
|           | 64QAM      | 1       | 0         | 21.13        | 21.05        | 21.1         | 22      |
|           |            | 1       | 38        | 21.11        | 21.11        | 21.19        | 22      |

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|  |  |    |    |       |       |       |    |
|--|--|----|----|-------|-------|-------|----|
|  |  | 1  | 74 | 21.04 | 21.09 | 21.07 | 22 |
|  |  | 36 | 0  | 19.94 | 19.96 | 19.96 | 21 |
|  |  | 36 | 18 | 19.95 | 19.94 | 19.95 | 21 |
|  |  | 36 | 39 | 19.93 | 19.91 | 19.98 | 21 |
|  |  | 75 | 0  | 19.89 | 19.91 | 19.91 | 21 |

| LTE Band 38 Full power |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 37775                | 38000   | 38225   |         |
| 5MHz                   | QPSK       | 1       | 0         | 23.16                | 23.2    | 23.22   | 24      |
|                        |            | 1       | 13        | 23.1                 | 23.15   | 23.21   | 24      |
|                        |            | 1       | 24        | 23.19                | 23.11   | 23.28   | 24      |
|                        |            | 12      | 0         | 22.22                | 22.21   | 22.32   | 23      |
|                        |            | 12      | 6         | 22.15                | 22.15   | 22.2    | 23      |
|                        |            | 12      | 13        | 22.23                | 22.21   | 22.26   | 23      |
|                        |            | 25      | 0         | 22.08                | 22.1    | 22.2    | 23      |
|                        | 16QAM      | 1       | 0         | 22.08                | 22.1    | 22.12   | 23      |
|                        |            | 1       | 13        | 22.14                | 22.19   | 22.11   | 23      |
|                        |            | 1       | 24        | 22.1                 | 22.16   | 22.16   | 23      |
|                        |            | 12      | 0         | 21.14                | 21.14   | 21.26   | 22      |
|                        |            | 12      | 6         | 21.13                | 21.1    | 21.21   | 22      |
|                        |            | 12      | 13        | 21.14                | 21.11   | 21.21   | 22      |
|                        |            | 25      | 0         | 21.1                 | 21.08   | 21.21   | 22      |
|                        | 64QAM      | 1       | 0         | 21.71                | 21.78   | 21.8    | 22      |
|                        |            | 1       | 13        | 21.16                | 21.19   | 21.3    | 22      |
|                        |            | 1       | 24        | 21.68                | 21.7    | 21.45   | 22      |
|                        |            | 12      | 0         | 20.48                | 20.6    | 20.68   | 21      |
|                        |            | 12      | 6         | 20.41                | 20.53   | 20.52   | 21      |
|                        |            | 12      | 13        | 20.42                | 20.48   | 20.76   | 21      |
|                        |            | 25      | 0         | 20.37                | 20.6    | 20.53   | 21      |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 37800                | 38000   | 38200   |         |
| 10MHz                  | QPSK       | 1       | 0         | 23.17                | 23.1    | 23.22   | 24      |
|                        |            | 1       | 25        | 22.16                | 22.11   | 22.41   | 24      |
|                        |            | 1       | 49        | 23.15                | 23.19   | 23.22   | 24      |
|                        |            | 25      | 0         | 22.16                | 22.22   | 22.16   | 23      |
|                        |            | 25      | 13        | 22.13                | 22.17   | 22.23   | 23      |
|                        |            | 25      | 25        | 22.18                | 22.2    | 22.28   | 23      |
|                        |            | 50      | 0         | 22.14                | 22.16   | 22.26   | 23      |
|                        | 16QAM      | 1       | 0         | 22.13                | 22.14   | 22.35   | 23      |
|                        |            | 1       | 25        | 22                   | 22.04   | 22.13   | 23      |
|                        |            | 1       | 49        | 22.17                | 22.24   | 22.38   | 23      |
|                        |            | 25      | 0         | 21.11                | 21.09   | 21.15   | 22      |
|                        |            | 25      | 13        | 21.04                | 21.05   | 21.18   | 22      |
|                        |            | 25      | 25        | 21.1                 | 21.04   | 21.22   | 22      |

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|           | 64QAM      | 50      | 0         | 21.08            | 21.08            | 21.16            | 22      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 0         | 21.66            | 21.62            | 21.74            | 22      |
|           |            | 1       | 25        | 21.28            | 21.31            | 21.29            | 22      |
|           |            | 1       | 49        | 21.64            | 21.6             | 21.45            | 22      |
|           |            | 25      | 0         | 20.48            | 20.52            | 20.57            | 21      |
|           |            | 25      | 13        | 20.42            | 20.45            | 20.62            | 21      |
|           |            | 25      | 25        | 20.46            | 20.52            | 20.62            | 21      |
|           |            | 50      | 0         | 20.44            | 20.55            | 20.51            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>37825 | Channel<br>38000 | Channel<br>38175 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 23.12            | 23.04            | 23.14            | 24      |
|           |            | 1       | 38        | 23.18            | 23.19            | 23.2             | 24      |
|           |            | 1       | 74        | 23.1             | 23.13            | 23.24            | 24      |
|           |            | 36      | 0         | 22.22            | 22.12            | 22.27            | 23      |
|           |            | 36      | 18        | 22.2             | 22.18            | 22.22            | 23      |
|           |            | 36      | 39        | 22.2             | 22.24            | 22.21            | 23      |
|           |            | 75      | 0         | 22.09            | 22.2             | 22.18            | 23      |
|           | 16QAM      | 1       | 0         | 22.12            | 22.05            | 22.19            | 23      |
|           |            | 1       | 38        | 22.15            | 22.2             | 22.24            | 23      |
|           |            | 1       | 74        | 22.1             | 22.21            | 22.4             | 23      |
|           |            | 36      | 0         | 21.1             | 21.02            | 21.2             | 22      |
|           |            | 36      | 18        | 21.16            | 21.06            | 21.17            | 22      |
|           |            | 36      | 39        | 21.11            | 21.16            | 21.22            | 22      |
|           |            | 75      | 0         | 21.07            | 21.04            | 21.13            | 22      |
|           | 64QAM      | 1       | 0         | 21.71            | 21.65            | 21.77            | 22      |
|           |            | 1       | 38        | 21.33            | 21.25            | 21.2             | 22      |
|           |            | 1       | 74        | 21.69            | 21.68            | 21.47            | 22      |
|           |            | 36      | 0         | 20.54            | 20.59            | 20.63            | 21      |
|           |            | 36      | 18        | 20.43            | 20.55            | 20.6             | 21      |
|           |            | 36      | 39        | 20.41            | 20.62            | 20.63            | 21      |
|           |            | 75      | 0         | 20.46            | 20.45            | 20.63            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>37850 | Channel<br>38000 | Channel<br>38150 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 22.17            | 22.73            | 22.83            | 24      |
|           |            | 1       | 50        | <b>22.66</b>     | <b>22.77</b>     | <b>22.92</b>     | 24      |
|           |            | 1       | 99        | 22.71            | 22.71            | 22.22            | 24      |
|           |            | 50      | 0         | 22.12            | 22.12            | 22.18            | 23      |
|           |            | 50      | 25        | 22.09            | 22.19            | 22.16            | 23      |
|           |            | 50      | 50        | 22.1             | 22.21            | <b>22.24</b>     | 23      |
|           |            | 100     | 0         | 22.1             | 22.17            | 22.2             | 23      |
|           | 16QAM      | 1       | 0         | 21.99            | 22.13            | 22.21            | 23      |
|           |            | 1       | 50        | 22.01            | 21.81            | 22.06            | 23      |
|           |            | 1       | 99        | 22.28            | 22.26            | 22.03            | 23      |
|           |            | 50      | 0         | 21.05            | 21.01            | 21.08            | 22      |
|           |            | 50      | 25        | 20.98            | 20.99            | 21.06            | 22      |
|           |            | 50      | 50        | 21.01            | 21.08            | 21.15            | 22      |
|           |            | 100     | 0         | 20.98            | 21.06            | 21.08            | 22      |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  | 64QAM | 1   | 0  | 21.74 | 21.8  | 21.92 | 22 |
|  |       | 1   | 50 | 21.33 | 21.36 | 21.34 | 22 |
|  |       | 1   | 99 | 21.77 | 21.76 | 21.63 | 22 |
|  |       | 50  | 0  | 20.6  | 20.66 | 20.74 | 21 |
|  |       | 50  | 25 | 20.55 | 20.59 | 20.66 | 21 |
|  |       | 50  | 50 | 20.59 | 20.63 | 20.76 | 21 |
|  |       | 100 | 0  | 20.53 | 20.62 | 20.68 | 21 |

| LTE Band 38 Hotspot on |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 37775                | 38000   | 38225   |         |
| 5MHz                   | QPSK       | 1       | 0         | 21.2                 | 21.22   | 21.28   | 22      |
|                        |            | 1       | 13        | 21.18                | 21.21   | 21.33   | 22      |
|                        |            | 1       | 24        | 21.2                 | 21.25   | 21.32   | 22      |
|                        |            | 12      | 0         | 21.26                | 21.23   | 21.38   | 22      |
|                        |            | 12      | 6         | 21.17                | 21.14   | 21.28   | 22      |
|                        |            | 12      | 13        | 21.28                | 21.29   | 21.36   | 22      |
|                        |            | 25      | 0         | 21.2                 | 21.2    | 21.31   | 22      |
|                        | 16QAM      | 1       | 0         | 21.36                | 21.36   | 21.45   | 22      |
|                        |            | 1       | 13        | 21.41                | 21.39   | 21.47   | 22      |
|                        |            | 1       | 24        | 21.42                | 21.39   | 21.37   | 22      |
|                        |            | 12      | 0         | 21.17                | 21.15   | 21.3    | 22      |
|                        |            | 12      | 6         | 21.14                | 21.15   | 21.3    | 22      |
|                        |            | 12      | 13        | 21.2                 | 21.12   | 21.27   | 22      |
|                        |            | 25      | 0         | 21.11                | 21.1    | 21.23   | 22      |
|                        | 64QAM      | 1       | 0         | 20.68                | 20.83   | 20.64   | 22      |
|                        |            | 1       | 13        | 20.07                | 20.14   | 20.16   | 22      |
|                        |            | 1       | 24        | 20.59                | 20.7    | 20.67   | 22      |
|                        |            | 12      | 0         | 20.53                | 20.53   | 20.63   | 21      |
|                        |            | 12      | 6         | 20.44                | 20.49   | 20.61   | 21      |
|                        |            | 12      | 13        | 20.58                | 20.58   | 20.6    | 21      |
|                        |            | 25      | 0         | 20.53                | 20.65   | 20.68   | 21      |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 37800                | 38000   | 38200   |         |
| 10MHz                  | QPSK       | 1       | 0         | 21.2                 | 21.13   | 21.29   | 22      |
|                        |            | 1       | 25        | 21.01                | 21.03   | 21.02   | 22      |
|                        |            | 1       | 49        | 21.26                | 21.22   | 21.24   | 22      |
|                        |            | 25      | 0         | 21.24                | 21.19   | 21.24   | 22      |
|                        |            | 25      | 13        | 21.18                | 21.2    | 21.32   | 22      |
|                        |            | 25      | 25        | 21.21                | 21.23   | 21.33   | 22      |
|                        |            | 50      | 0         | 21.17                | 21.21   | 21.35   | 22      |
|                        | 16QAM      | 1       | 0         | 21.19                | 21.1    | 21.27   | 22      |
|                        |            | 1       | 25        | 20.7                 | 21.01   | 20.92   | 22      |
|                        |            | 1       | 49        | 21.22                | 21.23   | 21.26   | 22      |
|                        |            | 25      | 0         | 21.19                | 21.17   | 21.26   | 22      |
|                        |            | 25      | 13        | 21.14                | 21.11   | 21.26   | 22      |

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|           | 64QAM      | 25      | 25        | 21.16   | 21.16   | 21.27   | 22      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 21.11   | 21.08   | 21.23   | 22      |
|           |            | 1       | 0         | 20.66   | 20.88   | 20.6    | 22      |
|           |            | 1       | 25        | 20.03   | 20.2    | 20.08   | 22      |
|           |            | 1       | 49        | 20.58   | 20.66   | 20.65   | 22      |
|           |            | 25      | 0         | 20.54   | 20.56   | 20.6    | 21      |
|           |            | 25      | 13        | 20.5    | 20.5    | 20.65   | 21      |
|           |            | 25      | 25        | 20.59   | 20.67   | 20.67   | 21      |
|           |            | 50      | 0         | 20.53   | 20.55   | 20.58   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 37825   | 38000   | 38175   |         |
| 15MHz     | QPSK       | 1       | 0         | 21.2    | 21.1    | 21.18   | 22      |
|           |            | 1       | 38        | 21.27   | 21.24   | 21.26   | 22      |
|           |            | 1       | 74        | 21.17   | 21.16   | 21.3    | 22      |
|           |            | 36      | 0         | 21.25   | 21.2    | 21.31   | 22      |
|           |            | 36      | 18        | 21.29   | 21.21   | 21.29   | 22      |
|           |            | 36      | 39        | 21.24   | 21.32   | 21.32   | 22      |
|           |            | 75      | 0         | 21.25   | 21.18   | 21.24   | 22      |
|           | 16QAM      | 1       | 0         | 21.4    | 21.14   | 21.28   | 22      |
|           |            | 1       | 38        | 21.39   | 21.15   | 21.27   | 22      |
|           |            | 1       | 74        | 21.38   | 21.14   | 21.29   | 22      |
|           |            | 36      | 0         | 21.17   | 21.18   | 21.22   | 22      |
|           |            | 36      | 18        | 21.25   | 21.12   | 21.23   | 22      |
|           |            | 36      | 39        | 21.2    | 21.23   | 21.29   | 22      |
|           |            | 75      | 0         | 21.15   | 21.15   | 21.17   | 22      |
|           | 64QAM      | 1       | 0         | 20.58   | 20.85   | 20.74   | 22      |
|           |            | 1       | 38        | 20.02   | 20.09   | 20.1    | 22      |
|           |            | 1       | 74        | 20.65   | 20.76   | 20.67   | 22      |
|           |            | 36      | 0         | 20.62   | 20.61   | 20.58   | 21      |
|           |            | 36      | 18        | 20.54   | 20.6    | 20.54   | 21      |
|           |            | 36      | 39        | 20.49   | 20.61   | 20.64   | 21      |
|           |            | 75      | 0         | 20.51   | 20.64   | 20.63   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 37850   | 38000   | 38150   |         |
| 20MHz     | QPSK       | 1       | 0         | 21.24   | 21.19   | 21.26   | 22      |
|           |            | 1       | 50        | 19.92   | 20.11   | 20.18   | 22      |
|           |            | 1       | 99        | 21.28   | 21.26   | 21.38   | 22      |
|           |            | 50      | 0         | 21.22   | 21.22   | 21.25   | 22      |
|           |            | 50      | 25        | 21.19   | 21.17   | 21.25   | 22      |
|           |            | 50      | 50        | 21.17   | 21.25   | 21.32   | 22      |
|           |            | 100     | 0         | 21.17   | 21.22   | 21.27   | 22      |
|           | 16QAM      | 1       | 0         | 21.25   | 21.35   | 21.55   | 22      |
|           |            | 1       | 50        | 21.03   | 21.14   | 21.06   | 22      |
|           |            | 1       | 99        | 21.31   | 21.47   | 21.61   | 22      |
|           |            | 50      | 0         | 21.13   | 21.15   | 21.19   | 22      |
|           |            | 50      | 25        | 21.12   | 21.07   | 21.18   | 22      |
|           |            | 50      | 50        | 21.14   | 21.2    | 21.25   | 22      |

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|  |  |     |    |       |       |       |    |
|--|--|-----|----|-------|-------|-------|----|
|  |  | 100 | 0  | 21.09 | 21.18 | 21.18 | 22 |
|  |  | 1   | 0  | 20.71 | 20.89 | 20.74 | 22 |
|  |  | 1   | 50 | 20.08 | 20.24 | 20.23 | 22 |
|  |  | 1   | 99 | 20.72 | 20.77 | 20.78 | 22 |
|  |  | 50  | 0  | 20.65 | 20.66 | 20.71 | 21 |
|  |  | 50  | 25 | 20.58 | 20.61 | 20.68 | 21 |
|  |  | 50  | 50 | 20.61 | 20.69 | 20.72 | 21 |
|  |  | 100 | 0  | 20.62 | 20.66 | 20.69 | 21 |

| LTE Band 41 Full power |            |         |           | Conducted Power(dBm) |         |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Tune up |
|                        |            |         |           | 40165                | 40515   | 40865   | 41215   |         |
| 5MHz                   | QPSK       | 1       | 0         | 22.14                | 22.17   | 22.10   | 22.11   | 23.00   |
|                        |            | 1       | 13        | 21.92                | 22.15   | 22.05   | 22.00   | 23.00   |
|                        |            | 1       | 24        | 21.69                | 22.05   | 21.99   | 21.94   | 23.00   |
|                        |            | 12      | 0         | 20.98                | 21.14   | 21.05   | 20.89   | 22.00   |
|                        |            | 12      | 6         | 20.91                | 21.13   | 20.99   | 20.64   | 22.00   |
|                        |            | 12      | 13        | 20.74                | 21.08   | 21.05   | 20.97   | 22.00   |
|                        |            | 25      | 0         | 20.81                | 21.06   | 21.04   | 20.85   | 22.00   |
|                        | 16QAM      | 1       | 0         | 20.57                | 20.54   | 20.71   | 20.70   | 22.00   |
|                        |            | 1       | 13        | 20.45                | 20.47   | 20.12   | 20.58   | 22.00   |
|                        |            | 1       | 24        | 20.02                | 20.63   | 20.51   | 20.40   | 22.00   |
|                        |            | 12      | 0         | 19.92                | 19.95   | 19.69   | 19.91   | 21.00   |
|                        |            | 12      | 6         | 19.80                | 19.96   | 19.51   | 19.84   | 21.00   |
|                        |            | 12      | 13        | 19.77                | 20.03   | 19.95   | 19.93   | 21.00   |
|                        |            | 25      | 0         | 19.83                | 19.99   | 19.90   | 19.81   | 21.00   |
|                        | 64QAM      | 1       | 0         | 19.06                | 19.36   | 19.01   | 19.03   | 21.00   |
|                        |            | 1       | 13        | 19.18                | 19.67   | 19.95   | 19.72   | 21.00   |
|                        |            | 1       | 24        | 19.36                | 19.64   | 19.26   | 19.41   | 21.00   |
|                        |            | 12      | 0         | 18.95                | 19.12   | 19.15   | 19.08   | 20.00   |
|                        |            | 12      | 6         | 19.02                | 18.97   | 19.06   | 18.78   | 20.00   |
|                        |            | 12      | 13        | 18.78                | 19.17   | 19.16   | 18.93   | 20.00   |
|                        |            | 25      | 0         | 18.79                | 18.80   | 19.15   | 19.05   | 20.00   |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Tune up |
|                        |            |         |           | 40190                | 40523   | 40857   | 41190   |         |
| 10MHz                  | QPSK       | 1       | 0         | 21.40                | 21.60   | 21.33   | 21.51   | 23.00   |
|                        |            | 1       | 25        | 21.62                | 21.98   | 21.97   | 21.76   | 23.00   |
|                        |            | 1       | 49        | 21.56                | 21.92   | 21.52   | 21.71   | 23.00   |
|                        |            | 25      | 0         | 21.05                | 21.06   | 21.19   | 21.02   | 22.00   |
|                        |            | 25      | 13        | 20.73                | 20.92   | 20.64   | 20.97   | 22.00   |
|                        |            | 25      | 25        | 20.77                | 21.10   | 20.57   | 20.64   | 22.00   |
|                        |            | 50      | 0         | 20.79                | 21.11   | 21.13   | 21.10   | 22.00   |
|                        | 16QAM      | 1       | 0         | 20.05                | 20.08   | 20.23   | 20.10   | 22.00   |
|                        |            | 1       | 25        | 20.31                | 20.60   | 20.74   | 20.33   | 22.00   |
|                        |            | 1       | 49        | 20.23                | 20.36   | 20.66   | 20.37   | 22.00   |

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|           | 64QAM      | 25      | 0         | 19.74            | 20.29            | 19.93            | 20.02            | 21.00   |
|-----------|------------|---------|-----------|------------------|------------------|------------------|------------------|---------|
|           |            | 25      | 13        | 19.72            | 20.04            | 19.87            | 19.94            | 21.00   |
|           |            | 25      | 25        | 19.73            | 19.89            | 19.89            | 19.83            | 21.00   |
|           |            | 50      | 0         | 19.75            | 20.18            | 19.93            | 20.08            | 21.00   |
|           |            | 1       | 0         | 20.01            | 20.42            | 20.01            | 20.15            | 21.00   |
|           |            | 1       | 25        | 20.22            | 20.62            | 20.75            | 20.55            | 21.00   |
|           |            | 1       | 49        | 20.51            | 20.52            | 19.97            | 20.50            | 21.00   |
|           |            | 25      | 0         | 18.93            | 19.28            | 19.19            | 19.13            | 20.00   |
|           |            | 25      | 13        | 18.86            | 19.09            | 19.11            | 19.05            | 20.00   |
|           |            | 25      | 25        | 18.90            | 19.09            | 19.09            | 19.12            | 20.00   |
|           |            | 50      | 0         | 19.00            | 19.04            | 19.16            | 18.94            | 20.00   |
|           |            |         |           |                  |                  |                  |                  |         |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>40215 | Channel<br>40532 | Channel<br>40848 | Channel<br>41165 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 21.52            | 21.53            | 21.60            | 21.65            | 23.00   |
|           |            | 1       | 38        | 21.79            | 22.15            | 22.07            | 21.96            | 23.00   |
|           |            | 1       | 74        | 21.66            | 22.15            | 21.89            | 21.96            | 23.00   |
|           |            | 36      | 0         | 20.87            | 21.23            | 21.07            | 21.10            | 22.00   |
|           |            | 36      | 18        | 20.58            | 21.13            | 20.92            | 21.02            | 22.00   |
|           |            | 36      | 39        | 20.79            | 21.14            | 20.95            | 21.02            | 22.00   |
|           |            | 75      | 0         | 20.81            | 21.14            | 21.01            | 20.99            | 22.00   |
|           |            |         |           |                  |                  |                  |                  |         |
|           | 16QAM      | 1       | 0         | 20.11            | 20.10            | 20.13            | 20.23            | 22.00   |
|           |            | 1       | 38        | 20.33            | 20.80            | 20.30            | 20.49            | 22.00   |
|           |            | 1       | 74        | 20.45            | 20.37            | 20.74            | 20.24            | 22.00   |
|           |            | 36      | 0         | 19.82            | 20.10            | 20.08            | 20.22            | 21.00   |
|           |            | 36      | 18        | 19.58            | 20.00            | 19.89            | 19.69            | 21.00   |
|           |            | 36      | 39        | 19.69            | 19.95            | 19.85            | 19.93            | 21.00   |
|           |            | 75      | 0         | 19.70            | 20.07            | 19.88            | 20.12            | 21.00   |
|           |            |         |           |                  |                  |                  |                  |         |
|           | 64QAM      | 1       | 0         | 20.01            | 20.42            | 20.01            | 20.15            | 21.00   |
|           |            | 1       | 38        | 20.22            | 20.62            | 20.75            | 20.55            | 21.00   |
|           |            | 1       | 74        | 20.51            | 20.52            | 19.97            | 20.50            | 21.00   |
|           |            | 36      | 0         | 18.93            | 19.28            | 19.19            | 19.13            | 20.00   |
|           |            | 36      | 18        | 18.86            | 19.09            | 19.11            | 19.05            | 20.00   |
|           |            | 36      | 39        | 18.90            | 19.09            | 19.09            | 19.12            | 20.00   |
|           |            | 75      | 0         | 19.00            | 19.04            | 19.16            | 18.94            | 20.00   |
|           |            |         |           |                  |                  |                  |                  |         |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>40240 | Channel<br>40540 | Channel<br>40840 | Channel<br>41140 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 21.70            | 21.87            | 21.69            | 21.77            | 23.00   |
|           |            | 1       | 50        | 21.81            | 22.21            | 22.29            | 22.29            | 23.00   |
|           |            | 1       | 99        | 21.71            | 22.20            | 21.75            | 21.90            | 23.00   |
|           |            | 50      | 0         | 20.94            | 21.13            | 21.33            | 21.13            | 22.00   |
|           |            | 50      | 25        | 20.78            | 21.11            | 21.04            | 21.18            | 22.00   |
|           |            | 50      | 50        | 20.73            | 21.12            | 21.10            | 21.29            | 22.00   |
|           |            | 100     | 0         | 20.86            | 21.20            | 21.11            | 21.32            | 22.00   |
|           |            |         |           |                  |                  |                  |                  |         |
|           | 16QAM      | 1       | 0         | 20.02            | 20.71            | 20.13            | 20.38            | 22.00   |
|           |            | 1       | 50        | 20.51            | 21.17            | 20.93            | 20.84            | 22.00   |
|           |            | 1       | 99        | 20.79            | 21.07            | 20.80            | 20.48            | 22.00   |
|           |            |         |           |                  |                  |                  |                  |         |
|           |            | 50      | 0         | 19.94            | 20.05            | 20.14            | 20.22            | 21.00   |

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|  |       |     |    |       |       |       |       |       |
|--|-------|-----|----|-------|-------|-------|-------|-------|
|  |       | 50  | 25 | 19.83 | 20.12 | 19.92 | 20.13 | 21.00 |
|  |       | 50  | 50 | 19.81 | 20.07 | 19.96 | 20.17 | 21.00 |
|  |       | 100 | 0  | 19.95 | 20.10 | 20.09 | 20.16 | 21.00 |
|  | 64QAM | 1   | 0  | 20.07 | 20.09 | 20.41 | 20.11 | 21.00 |
|  |       | 1   | 50 | 20.35 | 20.43 | 19.77 | 20.12 | 21.00 |
|  |       | 1   | 99 | 20.78 | 20.73 | 20.89 | 20.63 | 21.00 |
|  |       | 50  | 0  | 19.12 | 19.19 | 19.15 | 19.18 | 20.00 |
|  |       | 50  | 25 | 19.07 | 18.99 | 19.05 | 19.01 | 20.00 |
|  |       | 50  | 50 | 19.00 | 19.05 | 19.09 | 19.09 | 20.00 |
|  |       | 100 | 0  | 18.98 | 19.12 | 19.12 | 18.98 | 20.00 |

| LTE Band 41 Hotspot on |            |         |           | Conducted Power(dBm) |         |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Tune up |
|                        |            |         |           | 40165                | 40515   | 40865   | 41215   |         |
| 5MHz                   | QPSK       | 1       | 0         | 20.21                | 20.18   | 20.21   | 20.20   | 21.00   |
|                        |            | 1       | 13        | 20.15                | 20.11   | 20.25   | 20.07   | 21.00   |
|                        |            | 1       | 24        | 19.68                | 20.04   | 20.00   | 19.74   | 21.00   |
|                        |            | 12      | 0         | 19.91                | 20.14   | 20.09   | 19.89   | 21.00   |
|                        |            | 12      | 6         | 19.82                | 20.12   | 19.99   | 19.69   | 21.00   |
|                        |            | 12      | 13        | 19.84                | 20.09   | 20.06   | 19.85   | 21.00   |
|                        |            | 25      | 0         | 19.79                | 20.08   | 20.04   | 19.93   | 21.00   |
|                        | 16QAM      | 1       | 0         | 19.86                | 20.12   | 19.99   | 19.52   | 21.00   |
|                        |            | 1       | 13        | 19.84                | 20.01   | 19.93   | 19.85   | 21.00   |
|                        |            | 1       | 24        | 19.39                | 19.82   | 19.55   | 19.81   | 21.00   |
|                        |            | 12      | 0         | 19.80                | 19.95   | 19.78   | 19.88   | 21.00   |
|                        |            | 12      | 6         | 19.76                | 20.00   | 19.80   | 19.67   | 21.00   |
|                        |            | 12      | 13        | 19.79                | 19.96   | 19.87   | 19.83   | 21.00   |
|                        |            | 25      | 0         | 19.80                | 20.03   | 20.05   | 19.80   | 21.00   |
|                        | 64QAM      | 1       | 0         | 20.09                | 20.25   | 20.10   | 20.28   | 21.00   |
|                        |            | 1       | 13        | 19.52                | 20.04   | 20.31   | 19.76   | 21.00   |
|                        |            | 1       | 24        | 19.61                | 20.13   | 19.96   | 20.04   | 21.00   |
|                        |            | 12      | 0         | 18.79                | 19.11   | 19.10   | 19.06   | 20.00   |
|                        |            | 12      | 6         | 19.04                | 19.08   | 18.99   | 19.03   | 20.00   |
|                        |            | 12      | 13        | 18.98                | 19.09   | 19.14   | 18.58   | 20.00   |
|                        |            | 25      | 0         | 18.93                | 18.93   | 19.08   | 18.94   | 20.00   |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Tune up |
|                        |            |         |           | 40190                | 40523   | 40857   | 41190   |         |
| 10MHz                  | QPSK       | 1       | 0         | 19.49                | 19.59   | 19.45   | 19.52   | 21.00   |
|                        |            | 1       | 25        | 19.84                | 19.77   | 19.86   | 19.79   | 21.00   |
|                        |            | 1       | 49        | 19.64                | 20.01   | 19.99   | 19.75   | 21.00   |
|                        |            | 25      | 0         | 19.92                | 20.08   | 19.97   | 19.90   | 21.00   |
|                        |            | 25      | 13        | 19.77                | 20.10   | 19.91   | 20.18   | 21.00   |
|                        |            | 25      | 25        | 19.77                | 19.94   | 19.90   | 20.08   | 21.00   |
|                        |            | 50      | 0         | 19.78                | 20.07   | 19.92   | 20.09   | 21.00   |
|                        | 16QAM      | 1       | 0         | 19.48                | 19.31   | 19.20   | 19.25   | 21.00   |
|                        |            | 1       | 25        | 19.91                | 19.78   | 19.28   | 20.43   | 21.00   |

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|       |           |            |         |              |              |              |              |         |
|-------|-----------|------------|---------|--------------|--------------|--------------|--------------|---------|
|       |           | 1          | 49      | 19.84        | 19.81        | 19.83        | 19.61        | 21.00   |
|       |           | 25         | 0       | 20.03        | 19.96        | 19.72        | 20.23        | 21.00   |
|       |           | 25         | 13      | 19.54        | 20.00        | 20.06        | 19.86        | 21.00   |
|       |           | 25         | 25      | 19.83        | 19.85        | 20.01        | 19.87        | 21.00   |
|       |           | 50         | 0       | 19.79        | 20.01        | 20.15        | 19.91        | 21.00   |
|       | 64QAM     | 1          | 0       | 19.60        | 19.70        | 19.79        | 19.82        | 21.00   |
|       |           | 1          | 25      | 19.78        | 20.28        | 20.30        | 20.01        | 21.00   |
|       |           | 1          | 49      | 19.70        | 20.11        | 20.28        | 20.37        | 21.00   |
|       |           | 25         | 0       | 19.12        | 19.12        | 19.08        | 19.01        | 20.00   |
|       |           | 25         | 13      | 18.73        | 19.03        | 19.11        | 19.04        | 20.00   |
|       |           | 25         | 25      | 18.62        | 19.08        | 18.53        | 19.04        | 20.00   |
|       |           | 50         | 0       | 18.87        | 19.00        | 19.15        | 19.05        | 20.00   |
|       | Bandwidth | Modulation | RB size | RB offset    | Channel      | Channel      | Channel      | Channel |
|       |           |            |         |              | 40215        | 40532        | 40848        | 41165   |
|       | 15MHz     | QPSK       | 1       | 0            | 19.55        | 19.72        | 19.57        | 19.49   |
|       |           |            | 1       | 38           | 19.94        | 20.44        | 20.18        | 20.17   |
|       |           |            | 1       | 74           | 20.00        | 20.09        | 19.62        | 19.96   |
|       |           |            | 36      | 0            | 20.05        | 20.51        | 20.17        | 20.10   |
|       |           |            | 36      | 18           | 19.71        | 20.39        | 20.10        | 20.06   |
|       |           |            | 36      | 39           | 19.93        | 19.98        | 20.13        | 20.06   |
|       |           |            | 75      | 0            | 19.85        | 19.95        | 20.12        | 20.03   |
|       |           | 16QAM      | 1       | 0            | 19.40        | 19.72        | 19.52        | 19.56   |
|       |           |            | 1       | 38           | 19.32        | 20.03        | 19.85        | 20.22   |
|       |           |            | 1       | 74           | 19.50        | 20.05        | 20.06        | 19.78   |
|       |           |            | 36      | 0            | 19.79        | 20.11        | 20.24        | 20.02   |
|       |           |            | 36      | 18           | 19.71        | 20.03        | 20.12        | 20.05   |
|       |           |            | 36      | 39           | 19.72        | 20.04        | 20.03        | 19.97   |
|       |           |            | 75      | 0            | 19.79        | 20.10        | 20.01        | 20.04   |
|       |           | 64QAM      | 1       | 0            | 19.77        | 19.61        | 19.66        | 19.64   |
|       |           |            | 1       | 38           | 20.08        | 20.49        | 20.44        | 20.24   |
|       |           |            | 1       | 74           | 19.92        | 20.10        | 20.01        | 20.23   |
|       |           |            | 36      | 0            | 18.83        | 19.24        | 19.29        | 19.24   |
|       |           |            | 36      | 18           | 18.72        | 19.22        | 19.21        | 18.97   |
|       |           |            | 36      | 39           | 18.77        | 18.88        | 19.20        | 19.16   |
|       |           |            | 75      | 0            | 18.76        | 19.06        | 19.16        | 19.10   |
|       | Bandwidth | Modulation | RB size | RB offset    | Channel      | Channel      | Channel      | Channel |
|       |           |            |         |              | 40240        | 40540        | 40840        | 41140   |
| 20MHz | QPSK      | 1          | 0       | 19.51        | 20.00        | 19.79        | 19.84        | 21.00   |
|       |           | 1          | 50      | 20.00        | 20.25        | 20.25        | 20.37        | 21.00   |
|       |           | 1          | 99      | 20.24        | <b>20.44</b> | 19.76        | 20.01        | 21.00   |
|       |           | 50         | 0       | <b>20.07</b> | 20.16        | <b>20.24</b> | 20.09        | 21.00   |
|       |           | 50         | 25      | 19.94        | 20.11        | 20.04        | <b>20.26</b> | 21.00   |
|       |           | 50         | 50      | 20.00        | <b>20.24</b> | 20.14        | 19.91        | 21.00   |
|       |           | 100        | 0       | 20.09        | 20.21        | 20.17        | 20.28        | 21.00   |
|       | 16QAM     | 1          | 0       | 19.79        | 19.97        | 19.69        | 19.97        | 21.00   |
|       |           | 1          | 50      | 19.76        | 20.52        | 19.81        | 20.25        | 21.00   |
|       |           | 1          | 99      | 20.06        | 19.78        | 20.42        | 20.36        | 21.00   |

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|  |       |     |    |       |       |       |       |       |
|--|-------|-----|----|-------|-------|-------|-------|-------|
|  |       | 50  | 0  | 20.08 | 19.98 | 20.12 | 20.05 | 21.00 |
|  |       | 50  | 25 | 19.91 | 19.95 | 19.97 | 20.00 | 21.00 |
|  |       | 50  | 50 | 19.84 | 20.14 | 19.98 | 20.05 | 21.00 |
|  |       | 100 | 0  | 19.95 | 20.06 | 20.04 | 20.03 | 21.00 |
|  | 64QAM | 1   | 0  | 19.77 | 20.25 | 19.90 | 20.18 | 21.00 |
|  |       | 1   | 50 | 19.75 | 20.18 | 20.21 | 20.19 | 21.00 |
|  |       | 1   | 99 | 20.12 | 20.47 | 20.05 | 20.54 | 21.00 |
|  |       | 50  | 0  | 19.13 | 19.05 | 19.25 | 19.34 | 20.00 |
|  |       | 50  | 25 | 18.88 | 19.30 | 19.11 | 19.10 | 20.00 |
|  |       | 50  | 50 | 18.93 | 19.03 | 19.18 | 19.04 | 20.00 |
|  |       | 100 | 0  | 18.59 | 19.28 | 19.20 | 19.13 | 20.00 |
|  |       |     |    |       |       |       |       |       |
|  |       |     |    |       |       |       |       |       |
|  |       |     |    |       |       |       |       |       |
|  |       |     |    |       |       |       |       |       |
|  |       |     |    |       |       |       |       |       |

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## 8.1.2 Conducted Power of Second Antenna

### 8.1.2.1 Conducted Power of GSM

| GSM 850 Full Power      |            |       |       |       |         |                  |                                 |       |       |         |
|-------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm) |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                 |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)               | GSM        | 32.82 | 32.95 | 33.02 | 33.8    | -9.19            | 23.63                           | 23.76 | 23.83 | 24.61   |
| GPRS/EGPRS (GMSK)       | 1 TX Slot  | 32.78 | 32.96 | 33.02 | 33.8    | -9.19            | 23.59                           | 23.77 | 23.83 | 24.61   |
|                         | 2 TX Slots | 30.59 | 30.82 | 30.91 | 31.8    | -6.18            | 24.41                           | 24.64 | 24.73 | 25.62   |
|                         | 3 TX Slots | 28.29 | 28.54 | 28.48 | 29.8    | -4.42            | 23.87                           | 24.12 | 24.06 | 25.38   |
|                         | 4 TX Slots | 26.29 | 26.44 | 26.33 | 27.8    | -3.17            | 23.12                           | 23.27 | 23.16 | 24.63   |
| EGPRS(8PSK)             | 1 TX Slot  | 27.02 | 27.06 | 27.07 | 27.8    | -9.19            | 17.83                           | 17.87 | 17.88 | 18.61   |
|                         | 2 TX Slots | 25.17 | 25.21 | 25.31 | 25.8    | -6.18            | 18.99                           | 19.03 | 19.13 | 19.62   |
|                         | 3 TX Slots | 22.68 | 22.81 | 22.84 | 23.8    | -4.42            | 18.26                           | 18.39 | 18.42 | 19.38   |
|                         | 4 TX Slots | 20.65 | 20.82 | 20.78 | 21.8    | -3.17            | 17.48                           | 17.65 | 17.61 | 18.63   |
| GSM 1900 Full Power     |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm) |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                 |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)               | GSM        | 30.91 | 30.82 | 30.93 | 31      | -9.19            | 21.72                           | 21.63 | 21.74 | 21.81   |
| GPRS/EGPRS (GMSK)       | 1 TX Slot  | 30.84 | 30.75 | 30.94 | 31      | -9.19            | 21.65                           | 21.56 | 21.75 | 21.81   |
|                         | 2 TX Slots | 28.64 | 28.42 | 28.56 | 29      | -6.18            | 22.46                           | 22.24 | 22.38 | 22.82   |
|                         | 3 TX Slots | 26.25 | 26.21 | 26.33 | 27      | -4.42            | 21.83                           | 21.79 | 21.91 | 22.58   |
|                         | 4 TX Slots | 24.05 | 24.11 | 24.14 | 25      | -3.17            | 20.88                           | 20.94 | 20.97 | 21.83   |
| EGPRS(8PSK)             | 1 TX Slot  | 26.67 | 26.49 | 26.63 | 27      | -9.19            | 17.48                           | 17.3  | 17.44 | 17.81   |
|                         | 2 TX Slots | 23.96 | 23.82 | 23.91 | 24      | -6.18            | 17.78                           | 17.64 | 17.73 | 17.82   |
|                         | 3 TX Slots | 21.89 | 21.78 | 21.92 | 22      | -4.42            | 17.47                           | 17.36 | 17.5  | 17.58   |
|                         | 4 TX Slots | 19.87 | 19.78 | 19.76 | 20      | -3.17            | 16.7                            | 16.61 | 16.59 | 16.83   |

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| GSM 850 Receiver on(Left head)  |            |              |              |              |         |                  |                                 |       |       |         |
|---------------------------------|------------|--------------|--------------|--------------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)         |            |              |              |              | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                         |            | 128          | 190          | 251          |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                       | GSM        | <b>28.06</b> | <b>28.18</b> | <b>28.14</b> | 29.3    | -9.19            | 18.87                           | 18.99 | 18.95 | 20.11   |
| GPRS/EGPRS (GMSK)               | 1 TX Slot  | 28.14        | 28.21        | 28.19        | 29.3    | -9.19            | 18.95                           | 19.02 | 19    | 20.11   |
|                                 | 2 TX Slots | 26.1         | 26.23        | 26.18        | 27.3    | -6.18            | 19.92                           | 20.05 | 20    | 21.12   |
|                                 | 3 TX Slots | 23.96        | 24.08        | 24.04        | 25.3    | -4.42            | 19.54                           | 19.66 | 19.62 | 20.88   |
|                                 | 4 TX Slots | 21.91        | 22.08        | 22.01        | 23.3    | -3.17            | 18.74                           | 18.91 | 18.84 | 20.13   |
| EGPRS(8PSK)                     | 1 TX Slot  | 22.46        | 22.53        | 22.56        | 23.3    | -9.19            | 13.27                           | 13.34 | 13.37 | 14.11   |
|                                 | 2 TX Slots | 20.48        | 20.61        | 20.63        | 21.3    | -6.18            | 14.3                            | 14.43 | 14.45 | 15.12   |
|                                 | 3 TX Slots | 18.47        | 18.56        | 18.58        | 19.3    | -4.42            | 14.05                           | 14.14 | 14.16 | 14.88   |
|                                 | 4 TX Slots | 16.31        | 16.46        | 16.51        | 17.3    | -3.17            | 13.14                           | 13.29 | 13.34 | 14.13   |
| GSM 1900 Receiver on(Left head) |            |              |              |              |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)         |            |              |              |              | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                         |            | 512          | 661          | 810          |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                       | GSM        | 26.04        | <b>25.93</b> | 26.03        | 26.5    | -9.19            | 16.85                           | 16.74 | 16.84 | 17.31   |
| GPRS/EGPRS (GMSK)               | 1 TX Slot  | 26.02        | 25.96        | 26.02        | 26.5    | -9.19            | 16.83                           | 16.77 | 16.83 | 17.31   |
|                                 | 2 TX Slots | 23.84        | 23.67        | 23.72        | 24.5    | -6.18            | 17.66                           | 17.49 | 17.54 | 18.32   |
|                                 | 3 TX Slots | 21.69        | 21.56        | 21.63        | 22.5    | -4.42            | 17.27                           | 17.14 | 17.21 | 18.08   |
|                                 | 4 TX Slots | 19.92        | 19.76        | 19.78        | 20.5    | -3.17            | 16.75                           | 16.59 | 16.61 | 17.33   |
| EGPRS(8PSK)                     | 1 TX Slot  | 21.87        | 21.7         | 21.79        | 22.5    | -9.19            | 12.68                           | 12.51 | 12.6  | 13.31   |
|                                 | 2 TX Slots | 19.46        | 19.46        | 19.42        | 19.5    | -6.18            | 13.28                           | 13.28 | 13.24 | 13.32   |
|                                 | 3 TX Slots | 17.47        | 17.38        | 17.43        | 17.5    | -4.42            | 13.05                           | 12.96 | 13.01 | 13.08   |
|                                 | 4 TX Slots | 15.48        | 15.32        | 15.4         | 15.5    | -3.17            | 12.31                           | 12.15 | 12.23 | 12.33   |

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| GSM 850 Receiver on(Right head)  |            |              |              |              |         |                  |                                 |       |       |         |
|----------------------------------|------------|--------------|--------------|--------------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)          |            |              |              |              | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                          |            | 128          | 190          | 251          |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                        | GSM        | 28.58        | <b>28.74</b> | 28.67        | 29.8    | -9.19            | 19.39                           | 19.55 | 19.48 | 20.61   |
| GPRS/EGPRS (GMSK)                | 1 TX Slot  | 28.68        | 28.75        | 28.76        | 29.8    | -9.19            | 19.49                           | 19.56 | 19.57 | 20.61   |
|                                  | 2 TX Slots | 26.62        | 26.68        | 26.64        | 27.8    | -6.18            | 20.44                           | 20.5  | 20.46 | 21.62   |
|                                  | 3 TX Slots | 24.44        | 24.56        | 24.52        | 25.8    | -4.42            | 20.02                           | 20.14 | 20.1  | 21.38   |
|                                  | 4 TX Slots | 22.41        | 22.52        | 22.53        | 23.8    | -3.17            | 19.24                           | 19.35 | 19.36 | 20.63   |
| EGPRS(8PSK)                      | 1 TX Slot  | 23.01        | 22.97        | 23.11        | 23.8    | -9.19            | 13.82                           | 13.78 | 13.92 | 14.61   |
|                                  | 2 TX Slots | 21.01        | 21.06        | 21.19        | 21.8    | -6.18            | 14.83                           | 14.88 | 15.01 | 15.62   |
|                                  | 3 TX Slots | 18.92        | 19.12        | 19.13        | 19.8    | -4.42            | 14.5                            | 14.7  | 14.71 | 15.38   |
|                                  | 4 TX Slots | 16.76        | 16.95        | 16.96        | 17.8    | -3.17            | 13.59                           | 13.78 | 13.79 | 14.63   |
| GSM 1900 Receiver on(Right head) |            |              |              |              |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)          |            |              |              |              | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                          |            | 512          | 661          | 810          |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                        | GSM        | <b>25.52</b> | <b>25.44</b> | <b>25.53</b> | 26      | -9.19            | 16.33                           | 16.25 | 16.34 | 16.81   |
| GPRS/EGPRS (GMSK)                | 1 TX Slot  | 25.53        | 25.44        | 25.56        | 26      | -9.19            | 16.34                           | 16.25 | 16.37 | 16.81   |
|                                  | 2 TX Slots | 23.49        | 23.42        | 23.39        | 24      | -6.18            | 17.31                           | 17.24 | 17.21 | 17.82   |
|                                  | 3 TX Slots | 21.2         | 21.17        | 21.24        | 22      | -4.42            | 16.78                           | 16.75 | 16.82 | 17.58   |
|                                  | 4 TX Slots | 19.37        | 19.24        | 19.3         | 20      | -3.17            | 16.2                            | 16.07 | 16.13 | 16.83   |
| EGPRS(8PSK)                      | 1 TX Slot  | 21.39        | 21.28        | 21.33        | 22      | -9.19            | 12.2                            | 12.09 | 12.14 | 12.81   |
|                                  | 2 TX Slots | 18.96        | 18.91        | 18.92        | 19      | -6.18            | 12.78                           | 12.73 | 12.74 | 12.82   |
|                                  | 3 TX Slots | 16.98        | 16.94        | 16.99        | 17      | -4.42            | 12.56                           | 12.52 | 12.57 | 12.58   |
|                                  | 4 TX Slots | 14.91        | 14.94        | 14.92        | 15      | -3.17            | 11.74                           | 11.77 | 11.75 | 11.83   |

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| GSM 850 Receiver off (body or limbs)  |            |              |              |              |             |                  |                                 |              |              |              |
|---------------------------------------|------------|--------------|--------------|--------------|-------------|------------------|---------------------------------|--------------|--------------|--------------|
| Burst Output Power(dBm)               |            |              |              |              | Tune up     | Division Factors | Frame-Average Output Power(dBm) |              |              | Tune up      |
| Channel                               |            | 128          | 190          | 251          |             |                  | 128                             | 190          | 251          |              |
| GSM(GMSK)                             | GSM        | 32.82        | <b>32.95</b> | 33.02        | 33.8        | -9.19            | 23.63                           | 23.76        | 23.83        | 24.61        |
| GPRS/EGPRS (GMSK)                     | 1 TX Slot  | 32.78        | 32.96        | 33.02        | 33.8        | -9.19            | 23.59                           | 23.77        | 23.83        | 24.61        |
|                                       | 2 TX Slots | <b>30.59</b> | <b>30.82</b> | <b>30.91</b> | <b>31.8</b> | <b>-6.18</b>     | <b>24.41</b>                    | <b>24.64</b> | <b>24.73</b> | <b>25.62</b> |
|                                       | 3 TX Slots | 28.29        | 28.54        | 28.48        | 29.8        | -4.42            | 23.87                           | 24.12        | 24.06        | 25.38        |
|                                       | 4 TX Slots | 26.29        | 26.44        | 26.33        | 27.8        | -3.17            | 23.12                           | 23.27        | 23.16        | 24.63        |
| EGPRS(8PSK)                           | 1 TX Slot  | 27.02        | 27.06        | 27.07        | 27.8        | -9.19            | 17.83                           | 17.87        | 17.88        | 18.61        |
|                                       | 2 TX Slots | 25.17        | 25.21        | 25.31        | 25.8        | -6.18            | 18.99                           | 19.03        | 19.13        | 19.62        |
|                                       | 3 TX Slots | 22.68        | 22.81        | 22.84        | 23.8        | -4.42            | 18.26                           | 18.39        | 18.42        | 19.38        |
|                                       | 4 TX Slots | 20.65        | 20.82        | 20.78        | 21.8        | -3.17            | 17.48                           | 17.65        | 17.61        | 18.63        |
| GSM 1900 Receiver off (body or limbs) |            |              |              |              |             |                  |                                 |              |              |              |
| Burst Output Power(dBm)               |            |              |              |              | Tune up     | Division Factors | Frame-Average Output Power(dBm) |              |              | Tune up      |
| Channel                               |            | 512          | 661          | 810          |             |                  | 512                             | 661          | 810          |              |
| GSM(GMSK)                             | GSM        | 30.19        | <b>30.15</b> | 30.25        | 30.5        | -9.19            | 21                              | 20.96        | 21.06        | 21.31        |
| GPRS/EGPRS (GMSK)                     | 1 TX Slot  | 30.17        | 30.16        | 30.25        | 30.5        | -9.19            | 20.98                           | 20.97        | 21.06        | 21.31        |
|                                       | 2 TX Slots | <b>27.76</b> | <b>27.67</b> | <b>27.84</b> | <b>28.5</b> | <b>-6.18</b>     | <b>21.58</b>                    | <b>21.49</b> | <b>21.66</b> | <b>22.32</b> |
|                                       | 3 TX Slots | 25.6         | 25.46        | 25.49        | 26.5        | -4.42            | 21.18                           | 21.04        | 21.07        | 22.08        |
|                                       | 4 TX Slots | 23.45        | 23.39        | 23.44        | 24.5        | -3.17            | 20.28                           | 20.22        | 20.27        | 21.33        |
| EGPRS(8PSK)                           | 1 TX Slot  | 26.19        | 26           | 26.1         | 26.5        | -9.19            | 17                              | 16.81        | 16.91        | 17.31        |
|                                       | 2 TX Slots | 23.41        | 23.17        | 23.47        | 23.5        | -6.18            | 17.23                           | 16.99        | 17.29        | 17.32        |
|                                       | 3 TX Slots | 21.33        | 21.23        | 21.29        | 21.5        | -4.42            | 16.91                           | 16.81        | 16.87        | 17.08        |
|                                       | 4 TX Slots | 19.22        | 19.21        | 19.13        | 19.5        | -3.17            | 16.05                           | 16.04        | 15.96        | 16.33        |

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| GSM 850 Receiver off (body or limbs) + hotspot 2.4G  |            |              |              |              |             |                  |                                 |              |              |              |
|--|------------|--------------|--------------|--------------|-------------|------------------|---------------------------------|--------------|--------------|--------------|
| Burst Output Power(dBm)                              |            |              |              |              | Tune up     | Division Factors | Frame-Average Output Power(dBm) |              |              | Tune up      |
| Channel  |            | 128          | 190          | 251          |             |                  | 128                             | 190          | 251          |              |
| GSM(GMSK)  | GSM        | 29.58        | 29.68        | 29.63        | 30.8        | -9.19            | 20.39                           | 20.49        | 20.44        | 21.61        |
| GPRS/EGPRS (GMSK)                                    | 1 TX Slot  | 29.53        | 29.62        | 29.59        | 30.8        | -9.19            | 20.34                           | 20.43        | 20.4         | 21.61        |
|  | 2 TX Slots | <b>27.42</b> | <b>27.48</b> | <b>27.46</b> | <b>28.8</b> | <b>-6.18</b>     | <b>21.24</b>                    | <b>21.3</b>  | <b>21.28</b> | <b>22.62</b> |
|  | 3 TX Slots | 25.43        | 25.55        | 25.43        | 26.8        | -4.42            | 21.01                           | 21.13        | 21.01        | 22.38        |
|  | 4 TX Slots | 23.29        | 23.45        | 23.35        | 24.8        | -3.17            | 20.12                           | 20.28        | 20.18        | 21.63        |
| EGPRS(8PSK)  | 1 TX Slot  | 23.73        | 23.74        | 23.82        | 24.8        | -9.19            | 14.54                           | 14.55        | 14.63        | 15.61        |
|  | 2 TX Slots | 21.76        | 21.95        | 21.95        | 22.8        | -6.18            | 15.58                           | 15.77        | 15.77        | 16.62        |
|  | 3 TX Slots | 19.76        | 19.97        | 20.01        | 20.8        | -4.42            | 15.34                           | 15.55        | 15.59        | 16.38        |
|  | 4 TX Slots | 17.72        | 17.88        | 17.92        | 18.8        | -3.17            | 14.55                           | 14.71        | 14.75        | 15.63        |
| GSM 1900 Receiver off (body or limbs) + hotspot 2.4G |            |              |              |              |             |                  |                                 |              |              |              |
| Burst Output Power(dBm)                              |            |              |              |              | Tune up     | Division Factors | Frame-Average Output Power(dBm) |              |              | Tune up      |
| Channel  |            | 512          | 661          | 810          |             |                  | 512                             | 661          | 810          |              |
| GSM(GMSK)  | GSM        | 26.94        | 26.91        | 26.98        | 27.5        | -9.19            | 17.75                           | 17.72        | 17.79        | 18.31        |
| GPRS/EGPRS (GMSK)                                    | 1 TX Slot  | 26.98        | 26.89        | 26.97        | 27.5        | -9.19            | 17.79                           | 17.7         | 17.78        | 18.31        |
|  | 2 TX Slots | <b>24.84</b> | <b>24.74</b> | <b>24.78</b> | <b>25.5</b> | <b>-6.18</b>     | <b>18.66</b>                    | <b>18.56</b> | <b>18.6</b>  | <b>19.32</b> |
|  | 3 TX Slots | 22.66        | 22.56        | 22.63        | 23.5        | -4.42            | 18.24                           | 18.14        | 18.21        | 19.08        |
|  | 4 TX Slots | 20.63        | 20.51        | 20.52        | 21.5        | -3.17            | 17.46                           | 17.34        | 17.35        | 18.33        |
| EGPRS(8PSK)  | 1 TX Slot  | 22.77        | 22.55        | 22.68        | 23.5        | -9.19            | 13.58                           | 13.36        | 13.49        | 14.31        |
|  | 2 TX Slots | 20.38        | 20.36        | 20.41        | 20.5        | -6.18            | 14.2                            | 14.18        | 14.23        | 14.32        |
|  | 3 TX Slots | 18.48        | 18.43        | 18.47        | 18.5        | -4.42            | 14.06                           | 14.01        | 14.05        | 14.08        |
|  | 4 TX Slots | 16.29        | 16.19        | 16.25        | 16.5        | -3.17            | 13.12                           | 13.02        | 13.08        | 13.33        |

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|--|------------|--------------|--------------|--------------|-------------|------------------|---------------------------------|--------------|--------------|--------------|
| Burst Output Power(dBm)                            |            |              |              |              | Tune up     | Division Factors | Frame-Average Output Power(dBm) |              |              | Tune up      |
| Channel  |            | 128          | 190          | 251          |             |                  | 128                             | 190          | 251          |              |
| GSM(GMSK)  | GSM        | 27.53        | 27.61        | 27.58        | 28.8        | -9.19            | 18.34                           | 18.42        | 18.39        | 19.61        |
| GPRS/EGPRS (GMSK)                                  | 1 TX Slot  | 27.62        | 27.67        | 27.65        | 28.8        | -9.19            | 18.43                           | 18.48        | 18.46        | 19.61        |
|  | 2 TX Slots | <b>25.45</b> | <b>25.62</b> | <b>25.58</b> | <b>26.8</b> | <b>-6.18</b>     | <b>19.27</b>                    | <b>19.44</b> | <b>19.4</b>  | <b>20.62</b> |
|  | 3 TX Slots | 23.44        | 23.48        | 23.43        | 24.8        | -4.42            | 19.02                           | 19.06        | 19.01        | 20.38        |
|  | 4 TX Slots | 21.24        | 21.34        | 21.28        | 22.8        | -3.17            | 18.07                           | 18.17        | 18.11        | 19.63        |
| EGPRS(8PSK)  | 1 TX Slot  | 21.88        | 21.99        | 22.01        | 22.8        | -9.19            | 12.69                           | 12.8         | 12.82        | 13.61        |
|  | 2 TX Slots | 19.93        | 20.07        | 20.14        | 20.8        | -6.18            | 13.75                           | 13.89        | 13.96        | 14.62        |
|  | 3 TX Slots | 17.86        | 17.96        | 18.01        | 18.8        | -4.42            | 13.44                           | 13.54        | 13.59        | 14.38        |
|  | 4 TX Slots | 15.76        | 15.93        | 15.97        | 16.8        | -3.17            | 12.59                           | 12.76        | 12.8         | 13.63        |
| GSM 1900 Receiver off (body or limbs) + hotspot 5G |            |              |              |              |             |                  |                                 |              |              |              |
| Burst Output Power(dBm)                            |            |              |              |              | Tune up     | Division Factors | Frame-Average Output Power(dBm) |              |              | Tune up      |
| Channel  |            | 512          | 661          | 810          |             |                  | 512                             | 661          | 810          |              |
| GSM(GMSK)  | GSM        | 24.89        | 24.78        | 24.86        | 25.5        | -9.19            | 15.7                            | 15.59        | 15.67        | 16.31        |
| GPRS/EGPRS (GMSK)                                  | 1 TX Slot  | 24.98        | 24.82        | 24.91        | 25.5        | -9.19            | 15.79                           | 15.63        | 15.72        | 16.31        |
|  | 2 TX Slots | <b>22.73</b> | <b>22.63</b> | <b>22.76</b> | <b>23.5</b> | <b>-6.18</b>     | <b>16.55</b>                    | <b>16.45</b> | <b>16.58</b> | <b>17.32</b> |
|  | 3 TX Slots | 20.68        | 20.61        | 20.59        | 21.5        | -4.42            | 16.26                           | 16.19        | 16.17        | 17.08        |
|  | 4 TX Slots | 18.75        | 18.73        | 18.72        | 19.5        | -3.17            | 15.58                           | 15.56        | 15.55        | 16.33        |
| EGPRS(8PSK)  | 1 TX Slot  | 20.84        | 20.69        | 20.73        | 21.5        | -9.19            | 11.65                           | 11.5         | 11.54        | 12.31        |
|  | 2 TX Slots | 18.44        | 18.42        | 18.45        | 18.5        | -6.18            | 12.26                           | 12.24        | 12.27        | 12.32        |
|  | 3 TX Slots | 16.39        | 16.42        | 16.47        | 16.5        | -4.42            | 11.97                           | 12           | 12.05        | 12.08        |
|  | 4 TX Slots | 14.46        | 14.33        | 14.38        | 14.5        | -3.17            | 11.29                           | 11.16        | 11.21        | 11.33        |

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| GSM 850 Receiver on(Left head)+hotspot 2.4G   |            |       |       |       |         |                  |                                 |       |       |         |
|---|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                       |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                       |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                                     | GSM        | 25.15 | 25.23 | 25.17 | 26.3    | -9.19            | 15.96                           | 16.04 | 15.98 | 17.11   |
| GPRS/EGPRS (GMSK)                             | 1 TX Slot  | 25.17 | 25.3  | 25.21 | 26.3    | -9.19            | 15.98                           | 16.11 | 16.02 | 17.11   |
|   | 2 TX Slots | 23.09 | 23.2  | 23.13 | 24.3    | -6.18            | 16.91                           | 17.02 | 16.95 | 18.12   |
|   | 3 TX Slots | 20.72 | 20.85 | 20.81 | 22.3    | -4.42            | 16.3                            | 16.43 | 16.39 | 17.88   |
|   | 4 TX Slots | 18.84 | 19.04 | 19.03 | 20.3    | -3.17            | 15.67                           | 15.87 | 15.86 | 17.13   |
| EGPRS(8PSK)                                   | 1 TX Slot  | 19.52 | 19.66 | 19.75 | 20.3    | -9.19            | 10.33                           | 10.47 | 10.56 | 11.11   |
|   | 2 TX Slots | 17.41 | 17.56 | 17.63 | 18.3    | -6.18            | 11.23                           | 11.38 | 11.45 | 12.12   |
|   | 3 TX Slots | 15.49 | 15.54 | 15.57 | 16.3    | -4.42            | 11.07                           | 11.12 | 11.15 | 11.88   |
|   | 4 TX Slots | 13.18 | 13.78 | 13.67 | 14.3    | -3.17            | 10.01                           | 10.61 | 10.5  | 11.13   |
| GSM 1900 Receiver on(Left head)+ hotspot 2.4G |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                       |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                       |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                                     | GSM        | 22.95 | 22.93 | 22.94 | 23.5    | -9.19            | 13.76                           | 13.74 | 13.75 | 14.31   |
| GPRS/EGPRS (GMSK)                             | 1 TX Slot  | 22.97 | 22.93 | 22.97 | 23.5    | -9.19            | 13.78                           | 13.74 | 13.78 | 14.31   |
|   | 2 TX Slots | 20.81 | 20.78 | 20.81 | 21.5    | -6.18            | 14.63                           | 14.6  | 14.63 | 15.32   |
|   | 3 TX Slots | 18.89 | 18.83 | 18.93 | 19.5    | -4.42            | 14.47                           | 14.41 | 14.51 | 15.08   |
|   | 4 TX Slots | 16.92 | 17.14 | 17.46 | 17.5    | -3.17            | 13.75                           | 13.97 | 14.29 | 14.33   |
| EGPRS(8PSK)                                   | 1 TX Slot  | 18.79 | 18.78 | 18.88 | 19.5    | -9.19            | 9.6                             | 9.59  | 9.69  | 10.31   |
|   | 2 TX Slots | 16.44 | 16.39 | 16.47 | 17      | -6.18            | 10.26                           | 10.21 | 10.29 | 10.82   |
|   | 3 TX Slots | 14.49 | 14.23 | 14.41 | 15.5    | -4.42            | 10.07                           | 9.81  | 9.99  | 11.08   |
|   | 4 TX Slots | 13.83 | 13.57 | 13.77 | 14      | -3.17            | 10.66                           | 10.4  | 10.6  | 10.83   |

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| GSM 850 Receiver on(Right head) +hotspot 2.4G  |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                        |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                                      | GSM        | 25.65 | 25.76 | 25.74 | 26.8    | -9.19            | 16.46                           | 16.57 | 16.55 | 17.61   |
| GPRS/EGPRS (GMSK)                              | 1 TX Slot  | 25.66 | 25.77 | 25.72 | 26.8    | -9.19            | 16.47                           | 16.58 | 16.53 | 17.61   |
|  | 2 TX Slots | 23.5  | 23.67 | 23.59 | 24.8    | -6.18            | 17.32                           | 17.49 | 17.41 | 18.62   |
|  | 3 TX Slots | 21.35 | 21.49 | 21.43 | 22.8    | -4.42            | 16.93                           | 17.07 | 17.01 | 18.38   |
|  | 4 TX Slots | 19.31 | 19.45 | 19.38 | 20.8    | -3.17            | 16.14                           | 16.28 | 16.21 | 17.63   |
| EGPRS(8PSK)                                    | 1 TX Slot  | 20    | 20.16 | 20.17 | 20.8    | -9.19            | 10.81                           | 10.97 | 10.98 | 11.61   |
|  | 2 TX Slots | 17.93 | 18.06 | 18.09 | 18.8    | -6.18            | 11.75                           | 11.88 | 11.91 | 12.62   |
|  | 3 TX Slots | 15.75 | 15.94 | 16.03 | 16.8    | -4.42            | 11.33                           | 11.52 | 11.61 | 12.38   |
|  | 4 TX Slots | 14.07 | 14.23 | 14.18 | 14.8    | -3.17            | 10.9                            | 11.06 | 11.01 | 11.63   |
| GSM 1900 Receiver on(Right head) +hotspot 2.4G |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                        |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                                      | GSM        | 22.45 | 22.44 | 22.51 | 23      | -9.19            | 13.26                           | 13.25 | 13.32 | 13.81   |
| GPRS/EGPRS (GMSK)                              | 1 TX Slot  | 22.46 | 22.42 | 22.54 | 23      | -9.19            | 13.27                           | 13.23 | 13.35 | 13.81   |
|  | 2 TX Slots | 20.39 | 20.27 | 20.31 | 21      | -6.18            | 14.21                           | 14.09 | 14.13 | 14.82   |
|  | 3 TX Slots | 18.43 | 18.37 | 18.37 | 19      | -4.42            | 14.01                           | 13.95 | 13.95 | 14.58   |
|  | 4 TX Slots | 16.37 | 16.32 | 16.56 | 17      | -3.17            | 13.2                            | 13.15 | 13.39 | 13.83   |
| EGPRS(8PSK)                                    | 1 TX Slot  | 18.34 | 18.28 | 18.33 | 19      | -9.19            | 9.15                            | 9.09  | 9.14  | 9.81    |
|  | 2 TX Slots | 15.99 | 15.95 | 15.96 | 16.5    | -6.18            | 9.81                            | 9.77  | 9.78  | 10.32   |
|  | 3 TX Slots | 13.98 | 13.94 | 14    | 14.5    | -4.42            | 9.56                            | 9.52  | 9.58  | 10.08   |
|  | 4 TX Slots | 13.26 | 13.07 | 13.38 | 13.5    | -3.17            | 10.09                           | 9.9   | 10.21 | 10.33   |

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| GSM 850 Receiver on(Left head)+hotspot 5G   |            |       |       |       |         |                  |                                 |       |       |         |
|---|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                     |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                     |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                                   | GSM        | 23.22 | 23.33 | 23.25 | 24.3    | -9.19            | 14.03                           | 14.14 | 14.06 | 15.11   |
| GPRS/EGPRS (GMSK)                           | 1 TX Slot  | 23.21 | 23.31 | 23.24 | 24.3    | -9.19            | 14.02                           | 14.12 | 14.05 | 15.11   |
|   | 2 TX Slots | 20.79 | 20.91 | 20.86 | 22.3    | -6.18            | 14.61                           | 14.73 | 14.68 | 16.12   |
|   | 3 TX Slots | 18.91 | 19.12 | 19.07 | 20.3    | -4.42            | 14.49                           | 14.7  | 14.65 | 15.88   |
|   | 4 TX Slots | 17.06 | 17.13 | 17.1  | 18.3    | -3.17            | 13.89                           | 13.96 | 13.93 | 15.13   |
| EGPRS(8PSK)                                 | 1 TX Slot  | 17.57 | 17.75 | 17.78 | 18.3    | -9.19            | 8.38                            | 8.56  | 8.59  | 9.11    |
|   | 2 TX Slots | 15.58 | 15.63 | 15.6  | 16.3    | -6.18            | 9.4                             | 9.45  | 9.42  | 10.12   |
|   | 3 TX Slots | 13.19 | 13.25 | 13.85 | 14.3    | -4.42            | 8.77                            | 8.83  | 9.43  | 9.88    |
|   | 4 TX Slots | 11.32 | 11.36 | 11.45 | 12.3    | -3.17            | 8.15                            | 8.19  | 8.28  | 9.13    |
| GSM 1900 Receiver on(Left head)+ hotspot 5G |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                     |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                     |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                                   | GSM        | 21    | 20.97 | 20.98 | 21.5    | -9.19            | 11.81                           | 11.78 | 11.79 | 12.31   |
| GPRS/EGPRS (GMSK)                           | 1 TX Slot  | 20.98 | 20.99 | 21    | 21.5    | -9.19            | 11.79                           | 11.8  | 11.81 | 12.31   |
|   | 2 TX Slots | 19.01 | 18.93 | 18.94 | 19.5    | -6.18            | 12.83                           | 12.75 | 12.76 | 13.32   |
|   | 3 TX Slots | 17.63 | 17.84 | 17.81 | 17.5    | -4.42            | 13.21                           | 13.42 | 13.39 | 13.08   |
|   | 4 TX Slots | 14.67 | 14.78 | 14.95 | 15.5    | -3.17            | 11.5                            | 11.61 | 11.78 | 12.33   |
| EGPRS(8PSK)                                 | 1 TX Slot  | 16.83 | 16.78 | 16.81 | 17.5    | -9.19            | 7.64                            | 7.59  | 7.62  | 8.31    |
|   | 2 TX Slots | 14.48 | 14.39 | 14.45 | 15      | -6.18            | 8.3                             | 8.21  | 8.27  | 8.82    |
|   | 3 TX Slots | 13.86 | 13.59 | 13.85 | 14      | -4.42            | 9.44                            | 9.17  | 9.43  | 9.58    |
|   | 4 TX Slots | 11.09 | 10.81 | 11.74 | 12      | -3.17            | 7.92                            | 7.64  | 8.57  | 8.83    |

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| GSM 850 Receiver on(Right head) +hotspot 5G  |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                      |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                      |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                                    | GSM        | 23.71 | 23.73 | 23.66 | 24.8    | -9.19            | 14.52                           | 14.54 | 14.47 | 15.61   |
| GPRS/EGPRS (GMSK)                            | 1 TX Slot  | 23.71 | 23.77 | 23.69 | 24.8    | -9.19            | 14.52                           | 14.58 | 14.5  | 15.61   |
|  | 2 TX Slots | 21.33 | 21.56 | 21.49 | 22.8    | -6.18            | 15.15                           | 15.38 | 15.31 | 16.62   |
|  | 3 TX Slots | 19.46 | 19.53 | 19.46 | 20.8    | -4.42            | 15.04                           | 15.11 | 15.04 | 16.38   |
|  | 4 TX Slots | 17.45 | 17.65 | 17.56 | 18.8    | -3.17            | 14.28                           | 14.48 | 14.39 | 15.63   |
| EGPRS(8PSK)                                  | 1 TX Slot  | 18.05 | 18.15 | 18.21 | 18.8    | -9.19            | 8.86                            | 8.96  | 9.02  | 9.61    |
|  | 2 TX Slots | 15.88 | 16.06 | 16.1  | 16.8    | -6.18            | 9.7                             | 9.88  | 9.92  | 10.62   |
|  | 3 TX Slots | 14.16 | 14.21 | 14.21 | 14.8    | -4.42            | 9.74                            | 9.79  | 9.79  | 10.38   |
|  | 4 TX Slots | 11.76 | 11.82 | 11.75 | 12.8    | -3.17            | 8.59                            | 8.65  | 8.58  | 9.63    |
| GSM 1900 Receiver on(Right head) +hotspot 5G |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                      |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                      |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                                    | GSM        | 20.5  | 20.51 | 20.55 | 21      | -9.19            | 11.31                           | 11.32 | 11.36 | 11.81   |
| GPRS/EGPRS (GMSK)                            | 1 TX Slot  | 20.55 | 20.54 | 20.54 | 21      | -9.19            | 11.36                           | 11.35 | 11.35 | 11.81   |
|  | 2 TX Slots | 18.54 | 18.47 | 18.51 | 19      | -6.18            | 12.36                           | 12.29 | 12.33 | 12.82   |
|  | 3 TX Slots | 17.04 | 17.25 | 17.57 | 17      | -4.42            | 12.62                           | 12.83 | 13.15 | 12.58   |
|  | 4 TX Slots | 14.16 | 14.22 | 14.41 | 15      | -3.17            | 10.99                           | 11.05 | 11.24 | 11.83   |
| EGPRS(8PSK)                                  | 1 TX Slot  | 16.34 | 16.26 | 16.32 | 17      | -9.19            | 7.15                            | 7.07  | 7.13  | 7.81    |
|  | 2 TX Slots | 13.98 | 13.78 | 13.96 | 14.5    | -6.18            | 7.8                             | 7.6   | 7.78  | 8.32    |
|  | 3 TX Slots | 13.27 | 13.12 | 13.33 | 13.5    | -4.42            | 8.85                            | 8.7   | 8.91  | 9.08    |
|  | 4 TX Slots | 10.59 | 10.31 | 10.55 | 11.5    | -3.17            | 7.42                            | 7.14  | 7.38  | 8.33    |

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| GSM 850 Receiver on(Left head) + BT  |            |       |       |       |         |                  |                                 |       |       |         |
|--------------------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)              |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                              |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                            | GSM        | 26.19 | 26.29 | 26.24 | 27.3    | -9.19            | 17                              | 17.1  | 17.05 | 18.11   |
| GPRS/EGPRS (GMSK)                    | 1 TX Slot  | 26.13 | 26.31 | 26.23 | 27.3    | -9.19            | 16.94                           | 17.12 | 17.04 | 18.11   |
|                                      | 2 TX Slots | 23.97 | 24.03 | 24.07 | 25.3    | -6.18            | 17.79                           | 17.85 | 17.89 | 19.12   |
|                                      | 3 TX Slots | 21.94 | 22.11 | 22.02 | 23.3    | -4.42            | 17.52                           | 17.69 | 17.6  | 18.88   |
|                                      | 4 TX Slots | 19.64 | 19.81 | 19.83 | 21.3    | -3.17            | 16.47                           | 16.64 | 16.66 | 18.13   |
| EGPRS(8PSK)                          | 1 TX Slot  | 20.53 | 20.65 | 20.61 | 21.3    | -9.19            | 11.34                           | 11.46 | 11.42 | 12.11   |
|                                      | 2 TX Slots | 18.54 | 18.58 | 18.71 | 19.3    | -6.18            | 12.36                           | 12.4  | 12.53 | 13.12   |
|                                      | 3 TX Slots | 16.41 | 16.58 | 16.64 | 17.3    | -4.42            | 11.99                           | 12.16 | 12.22 | 12.88   |
|                                      | 4 TX Slots | 14.75 | 14.87 | 14.81 | 15.3    | -3.17            | 11.58                           | 11.7  | 11.64 | 12.13   |
| GSM 1900 Receiver on(Left head) + BT |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)              |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                              |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                            | GSM        | 24.01 | 23.97 | 24.02 | 24.5    | -9.19            | 14.82                           | 14.78 | 14.83 | 15.31   |
| GPRS/EGPRS (GMSK)                    | 1 TX Slot  | 24.01 | 23.96 | 24.03 | 24.5    | -9.19            | 14.82                           | 14.77 | 14.84 | 15.31   |
|                                      | 2 TX Slots | 21.77 | 21.75 | 21.79 | 22.5    | -6.18            | 15.59                           | 15.57 | 15.61 | 16.32   |
|                                      | 3 TX Slots | 19.83 | 19.89 | 19.89 | 20.5    | -4.42            | 15.41                           | 15.47 | 15.47 | 16.08   |
|                                      | 4 TX Slots | 17.34 | 17.23 | 17.28 | 18.5    | -3.17            | 14.17                           | 14.06 | 14.11 | 15.33   |
| EGPRS(8PSK)                          | 1 TX Slot  | 19.81 | 19.76 | 19.84 | 20.5    | -9.19            | 10.62                           | 10.57 | 10.65 | 11.31   |
|                                      | 2 TX Slots | 17.4  | 17.42 | 17.46 | 17.5    | -6.18            | 11.22                           | 11.24 | 11.28 | 11.32   |
|                                      | 3 TX Slots | 15.36 | 15.39 | 15.36 | 15.5    | -4.42            | 10.94                           | 10.97 | 10.94 | 11.08   |
|                                      | 4 TX Slots | 13.27 | 13.23 | 13.35 | 13.5    | -3.17            | 10.1                            | 10.06 | 10.18 | 10.33   |

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| GSM 850 Receiver on(Right head) + BT  |            |       |       |       |         |                  |                                 |       |       |         |
|---------------------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)               |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                               |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                             | GSM        | 26.63 | 26.75 | 26.65 | 27.8    | -9.19            | 17.44                           | 17.56 | 17.46 | 18.61   |
| GPRS/EGPRS (GMSK)                     | 1 TX Slot  | 26.61 | 26.78 | 26.73 | 27.8    | -9.19            | 17.42                           | 17.59 | 17.54 | 18.61   |
|                                       | 2 TX Slots | 24.51 | 24.63 | 24.56 | 25.8    | -6.18            | 18.33                           | 18.45 | 18.38 | 19.62   |
|                                       | 3 TX Slots | 22.46 | 22.65 | 22.54 | 23.8    | -4.42            | 18.04                           | 18.23 | 18.12 | 19.38   |
|                                       | 4 TX Slots | 20.15 | 20.31 | 20.26 | 21.8    | -3.17            | 16.98                           | 17.14 | 17.09 | 18.63   |
| EGPRS(8PSK)                           | 1 TX Slot  | 21.04 | 21.12 | 21.15 | 21.8    | -9.19            | 11.85                           | 11.93 | 11.96 | 12.61   |
|                                       | 2 TX Slots | 18.98 | 19.13 | 19.17 | 19.8    | -6.18            | 12.8                            | 12.95 | 12.99 | 13.62   |
|                                       | 3 TX Slots | 16.97 | 17.03 | 17.08 | 17.8    | -4.42            | 12.55                           | 12.61 | 12.66 | 13.38   |
|                                       | 4 TX Slots | 15.19 | 15.28 | 15.29 | 15.8    | -3.17            | 12.02                           | 12.11 | 12.12 | 12.63   |
| GSM 1900 Receiver on(Right head) + BT |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)               |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                               |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                             | GSM        | 23.51 | 23.46 | 23.56 | 24      | -9.19            | 14.32                           | 14.27 | 14.37 | 14.81   |
| GPRS/EGPRS (GMSK)                     | 1 TX Slot  | 23.52 | 23.52 | 23.57 | 24      | -9.19            | 14.33                           | 14.33 | 14.38 | 14.81   |
|                                       | 2 TX Slots | 21.27 | 21.24 | 21.26 | 22      | -6.18            | 15.09                           | 15.06 | 15.08 | 15.82   |
|                                       | 3 TX Slots | 19.45 | 19.38 | 19.46 | 20      | -4.42            | 15.03                           | 14.96 | 15.04 | 15.58   |
|                                       | 4 TX Slots | 17.75 | 17.85 | 17.63 | 18      | -3.17            | 14.58                           | 14.68 | 14.46 | 14.83   |
| EGPRS(8PSK)                           | 1 TX Slot  | 19.34 | 19.2  | 19.27 | 20      | -9.19            | 10.15                           | 10.01 | 10.08 | 10.81   |
|                                       | 2 TX Slots | 16.98 | 16.75 | 16.87 | 17      | -6.18            | 10.8                            | 10.57 | 10.69 | 10.82   |
|                                       | 3 TX Slots | 15    | 14.92 | 14.96 | 15      | -4.42            | 10.58                           | 10.5  | 10.54 | 10.58   |
|                                       | 4 TX Slots | 12.24 | 12.77 | 12.79 | 13      | -3.17            | 9.07                            | 9.6   | 9.62  | 9.83    |

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| GSM 850 Receiver off (body or limbs) + BT  |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                    |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                    |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                                  | GSM        | 30.61 | 30.72 | 30.71 | 31.8    | -9.19            | 21.42                           | 21.53 | 21.52 | 22.61   |
| GPRS/EGPRS (GMSK)                          | 1 TX Slot  | 30.61 | 30.78 | 30.59 | 31.8    | -9.19            | 21.42                           | 21.59 | 21.4  | 22.61   |
|  | 2 TX Slots | 28.39 | 28.47 | 28.46 | 29.8    | -6.18            | 22.21                           | 22.29 | 22.28 | 23.62   |
|  | 3 TX Slots | 26.31 | 26.47 | 26.39 | 27.8    | -4.42            | 21.89                           | 22.05 | 21.97 | 23.38   |
|  | 4 TX Slots | 24.25 | 24.39 | 24.31 | 25.8    | -3.17            | 21.08                           | 21.22 | 21.14 | 22.63   |
| EGPRS(8PSK)                                | 1 TX Slot  | 25.13 | 25.21 | 25.26 | 25.8    | -9.19            | 15.94                           | 16.02 | 16.07 | 16.61   |
|  | 2 TX Slots | 22.73 | 22.87 | 22.94 | 23.8    | -6.18            | 16.55                           | 16.69 | 16.76 | 17.62   |
|  | 3 TX Slots | 20.7  | 20.87 | 20.84 | 21.8    | -4.42            | 16.28                           | 16.45 | 16.42 | 17.38   |
|  | 4 TX Slots | 18.55 | 18.78 | 18.77 | 19.8    | -3.17            | 15.38                           | 15.61 | 15.6  | 16.63   |
| GSM 1900 Receiver off (body or limbs) + BT |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                    |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                    |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                                  | GSM        | 28.04 | 28.10 | 28.12 | 28.5    | -9.19            | 18.85                           | 18.91 | 18.93 | 19.31   |
| GPRS/EGPRS (GMSK)                          | 1 TX Slot  | 28.11 | 28.08 | 28.17 | 28.5    | -9.19            | 18.92                           | 18.89 | 18.98 | 19.31   |
|  | 2 TX Slots | 25.85 | 25.83 | 25.88 | 26.5    | -6.18            | 19.67                           | 19.65 | 19.7  | 20.32   |
|  | 3 TX Slots | 23.7  | 23.73 | 23.72 | 24.5    | -4.42            | 19.28                           | 19.31 | 19.3  | 20.08   |
|  | 4 TX Slots | 21.01 | 21.06 | 21.03 | 22.5    | -3.17            | 17.84                           | 17.89 | 17.86 | 19.33   |
| EGPRS(8PSK)                                | 1 TX Slot  | 23.59 | 23.55 | 23.84 | 24.5    | -9.19            | 14.4                            | 14.36 | 14.65 | 15.31   |
|  | 2 TX Slots | 21.38 | 21.38 | 21.41 | 21.5    | -6.18            | 15.2                            | 15.2  | 15.23 | 15.32   |
|  | 3 TX Slots | 19.33 | 19.29 | 19.27 | 19.5    | -4.42            | 14.91                           | 14.87 | 14.85 | 15.08   |
|  | 4 TX Slots | 17.2  | 17.14 | 17.13 | 17.5    | -3.17            | 14.03                           | 13.97 | 13.96 | 14.33   |

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| GSM 850 Receiver on(Right head) + BT  |            |       |       |       |         |                  |                                 |       |       |         |
|---------------------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)               |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                               |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                             | GSM        | 26.63 | 26.75 | 26.65 | 27.8    | -9.19            | 17.44                           | 17.56 | 17.46 | 18.61   |
| GPRS/EGPRS (GMSK)                     | 1 TX Slot  | 26.61 | 26.78 | 26.73 | 27.8    | -9.19            | 17.42                           | 17.59 | 17.54 | 18.61   |
|                                       | 2 TX Slots | 24.51 | 24.63 | 24.56 | 25.8    | -6.18            | 18.33                           | 18.45 | 18.38 | 19.62   |
|                                       | 3 TX Slots | 22.46 | 22.65 | 22.54 | 23.8    | -4.42            | 18.04                           | 18.23 | 18.12 | 19.38   |
|                                       | 4 TX Slots | 20.15 | 20.31 | 20.26 | 21.8    | -3.17            | 16.98                           | 17.14 | 17.09 | 18.63   |
| EGPRS(8PSK)                           | 1 TX Slot  | 21.04 | 21.12 | 21.15 | 21.8    | -9.19            | 11.85                           | 11.93 | 11.96 | 12.61   |
|                                       | 2 TX Slots | 18.98 | 19.13 | 19.17 | 19.8    | -6.18            | 12.8                            | 12.95 | 12.99 | 13.62   |
|                                       | 3 TX Slots | 16.97 | 17.03 | 17.08 | 17.8    | -4.42            | 12.55                           | 12.61 | 12.66 | 13.38   |
|                                       | 4 TX Slots | 15.19 | 15.28 | 15.29 | 15.8    | -3.17            | 12.02                           | 12.11 | 12.12 | 12.63   |
| GSM 1900 Receiver on(Right head) + BT |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)               |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                               |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                             | GSM        | 23.51 | 23.46 | 23.56 | 24      | -9.19            | 14.32                           | 14.27 | 14.37 | 14.81   |
| GPRS/EGPRS (GMSK)                     | 1 TX Slot  | 23.52 | 23.52 | 23.57 | 24      | -9.19            | 14.33                           | 14.33 | 14.38 | 14.81   |
|                                       | 2 TX Slots | 21.27 | 21.24 | 21.26 | 22      | -6.18            | 15.09                           | 15.06 | 15.08 | 15.82   |
|                                       | 3 TX Slots | 19.45 | 19.38 | 19.46 | 20      | -4.42            | 15.03                           | 14.96 | 15.04 | 15.58   |
|                                       | 4 TX Slots | 17.75 | 17.85 | 17.63 | 18      | -3.17            | 14.58                           | 14.68 | 14.46 | 14.83   |
| EGPRS(8PSK)                           | 1 TX Slot  | 19.34 | 19.2  | 19.27 | 20      | -9.19            | 10.15                           | 10.01 | 10.08 | 10.81   |
|                                       | 2 TX Slots | 16.98 | 16.75 | 16.87 | 17      | -6.18            | 10.8                            | 10.57 | 10.69 | 10.82   |
|                                       | 3 TX Slots | 15    | 14.92 | 14.96 | 15      | -4.42            | 10.58                           | 10.5  | 10.54 | 10.58   |
|                                       | 4 TX Slots | 12.24 | 12.77 | 12.79 | 13      | -3.17            | 9.07                            | 9.6   | 9.62  | 9.83    |

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| GSM 850 Receiver off (body or limbs) + BT  |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                    |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                    |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                                  | GSM        | 30.61 | 30.72 | 30.71 | 31.8    | -9.19            | 21.42                           | 21.53 | 21.52 | 22.61   |
| GPRS/EGPRS (GMSK)                          | 1 TX Slot  | 30.61 | 30.78 | 30.59 | 31.8    | -9.19            | 21.42                           | 21.59 | 21.4  | 22.61   |
|  | 2 TX Slots | 28.39 | 28.47 | 28.46 | 29.8    | -6.18            | 22.21                           | 22.29 | 22.28 | 23.62   |
|  | 3 TX Slots | 26.31 | 26.47 | 26.39 | 27.8    | -4.42            | 21.89                           | 22.05 | 21.97 | 23.38   |
|  | 4 TX Slots | 24.25 | 24.39 | 24.31 | 25.8    | -3.17            | 21.08                           | 21.22 | 21.14 | 22.63   |
| EGPRS(8PSK)                                | 1 TX Slot  | 25.13 | 25.21 | 25.26 | 25.8    | -9.19            | 15.94                           | 16.02 | 16.07 | 16.61   |
|  | 2 TX Slots | 22.73 | 22.87 | 22.94 | 23.8    | -6.18            | 16.55                           | 16.69 | 16.76 | 17.62   |
|  | 3 TX Slots | 20.7  | 20.87 | 20.84 | 21.8    | -4.42            | 16.28                           | 16.45 | 16.42 | 17.38   |
|  | 4 TX Slots | 18.55 | 18.78 | 18.77 | 19.8    | -3.17            | 15.38                           | 15.61 | 15.6  | 16.63   |
| GSM 1900 Receiver off (body or limbs) + BT |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                    |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                    |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                                  | GSM        | 28.04 | 28.10 | 28.12 | 28.5    | -9.19            | 18.85                           | 18.91 | 18.93 | 19.31   |
| GPRS/EGPRS (GMSK)                          | 1 TX Slot  | 28.11 | 28.08 | 28.17 | 28.5    | -9.19            | 18.92                           | 18.89 | 18.98 | 19.31   |
|  | 2 TX Slots | 25.85 | 25.83 | 25.88 | 26.5    | -6.18            | 19.67                           | 19.65 | 19.7  | 20.32   |
|  | 3 TX Slots | 23.7  | 23.73 | 23.72 | 24.5    | -4.42            | 19.28                           | 19.31 | 19.3  | 20.08   |
|  | 4 TX Slots | 21.01 | 21.06 | 21.03 | 22.5    | -3.17            | 17.84                           | 17.89 | 17.86 | 19.33   |
| EGPRS(8PSK)                                | 1 TX Slot  | 23.59 | 23.55 | 23.84 | 24.5    | -9.19            | 14.4                            | 14.36 | 14.65 | 15.31   |
|  | 2 TX Slots | 21.38 | 21.38 | 21.41 | 21.5    | -6.18            | 15.2                            | 15.2  | 15.23 | 15.32   |
|  | 3 TX Slots | 19.33 | 19.29 | 19.27 | 19.5    | -4.42            | 14.91                           | 14.87 | 14.85 | 15.08   |
|  | 4 TX Slots | 17.2  | 17.14 | 17.13 | 17.5    | -3.17            | 14.03                           | 13.97 | 13.96 | 14.33   |

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| GSM 850 Receiver on(Left head)+hotspot 2.4G   |            |       |       |       |         |                  |                                 |       |       |         |
|---|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                       |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                       |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                                     | GSM        | 25.15 | 25.23 | 25.17 | 26.3    | -9.19            | 15.96                           | 16.04 | 15.98 | 17.11   |
| GPRS/EGPRS (GMSK)                             | 1 TX Slot  | 25.17 | 25.3  | 25.21 | 26.3    | -9.19            | 15.98                           | 16.11 | 16.02 | 17.11   |
|   | 2 TX Slots | 23.09 | 23.2  | 23.13 | 24.3    | -6.18            | 16.91                           | 17.02 | 16.95 | 18.12   |
|   | 3 TX Slots | 20.72 | 20.85 | 20.81 | 22.3    | -4.42            | 16.3                            | 16.43 | 16.39 | 17.88   |
|   | 4 TX Slots | 18.84 | 19.04 | 19.03 | 20.3    | -3.17            | 15.67                           | 15.87 | 15.86 | 17.13   |
| EGPRS(8PSK)                                   | 1 TX Slot  | 19.52 | 19.66 | 19.75 | 20.3    | -9.19            | 10.33                           | 10.47 | 10.56 | 11.11   |
|   | 2 TX Slots | 17.41 | 17.56 | 17.63 | 18.3    | -6.18            | 11.23                           | 11.38 | 11.45 | 12.12   |
|   | 3 TX Slots | 15.49 | 15.54 | 15.57 | 16.3    | -4.42            | 11.07                           | 11.12 | 11.15 | 11.88   |
|   | 4 TX Slots | 13.18 | 13.78 | 13.67 | 14.3    | -3.17            | 10.01                           | 10.61 | 10.5  | 11.13   |
| GSM 1900 Receiver on(Left head)+ hotspot 2.4G |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                       |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                       |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                                     | GSM        | 22.95 | 22.93 | 22.94 | 23.5    | -9.19            | 13.76                           | 13.74 | 13.75 | 14.31   |
| GPRS/EGPRS (GMSK)                             | 1 TX Slot  | 22.97 | 22.93 | 22.97 | 23.5    | -9.19            | 13.78                           | 13.74 | 13.78 | 14.31   |
|   | 2 TX Slots | 20.81 | 20.78 | 20.81 | 21.5    | -6.18            | 14.63                           | 14.6  | 14.63 | 15.32   |
|   | 3 TX Slots | 18.89 | 18.83 | 18.93 | 19.5    | -4.42            | 14.47                           | 14.41 | 14.51 | 15.08   |
|   | 4 TX Slots | 16.92 | 17.14 | 17.46 | 17.5    | -3.17            | 13.75                           | 13.97 | 14.29 | 14.33   |
| EGPRS(8PSK)                                   | 1 TX Slot  | 18.79 | 18.78 | 18.88 | 19.5    | -9.19            | 9.6                             | 9.59  | 9.69  | 10.31   |
|   | 2 TX Slots | 16.44 | 16.39 | 16.47 | 17      | -6.18            | 10.26                           | 10.21 | 10.29 | 10.82   |
|   | 3 TX Slots | 14.49 | 14.23 | 14.41 | 15.5    | -4.42            | 10.07                           | 9.81  | 9.99  | 11.08   |
|   | 4 TX Slots | 13.83 | 13.57 | 13.77 | 14      | -3.17            | 10.66                           | 10.4  | 10.6  | 10.83   |

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| GSM 850 Receiver on(Right head) +hotspot 2.4G  |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                        |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                                      | GSM        | 25.65 | 25.76 | 25.74 | 26.8    | -9.19            | 16.46                           | 16.57 | 16.55 | 17.61   |
| GPRS/EGPRS (GMSK)                              | 1 TX Slot  | 25.66 | 25.77 | 25.72 | 26.8    | -9.19            | 16.47                           | 16.58 | 16.53 | 17.61   |
|  | 2 TX Slots | 23.5  | 23.67 | 23.59 | 24.8    | -6.18            | 17.32                           | 17.49 | 17.41 | 18.62   |
|  | 3 TX Slots | 21.35 | 21.49 | 21.43 | 22.8    | -4.42            | 16.93                           | 17.07 | 17.01 | 18.38   |
|  | 4 TX Slots | 19.31 | 19.45 | 19.38 | 20.8    | -3.17            | 16.14                           | 16.28 | 16.21 | 17.63   |
| EGPRS(8PSK)                                    | 1 TX Slot  | 20    | 20.16 | 20.17 | 20.8    | -9.19            | 10.81                           | 10.97 | 10.98 | 11.61   |
|  | 2 TX Slots | 17.93 | 18.06 | 18.09 | 18.8    | -6.18            | 11.75                           | 11.88 | 11.91 | 12.62   |
|  | 3 TX Slots | 15.75 | 15.94 | 16.03 | 16.8    | -4.42            | 11.33                           | 11.52 | 11.61 | 12.38   |
|  | 4 TX Slots | 14.07 | 14.23 | 14.18 | 14.8    | -3.17            | 10.9                            | 11.06 | 11.01 | 11.63   |
| GSM 1900 Receiver on(Right head) +hotspot 2.4G |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                        |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                                      | GSM        | 22.45 | 22.44 | 22.51 | 23      | -9.19            | 13.26                           | 13.25 | 13.32 | 13.81   |
| GPRS/EGPRS (GMSK)                              | 1 TX Slot  | 22.46 | 22.42 | 22.54 | 23      | -9.19            | 13.27                           | 13.23 | 13.35 | 13.81   |
|  | 2 TX Slots | 20.39 | 20.27 | 20.31 | 21      | -6.18            | 14.21                           | 14.09 | 14.13 | 14.82   |
|  | 3 TX Slots | 18.43 | 18.37 | 18.37 | 19      | -4.42            | 14.01                           | 13.95 | 13.95 | 14.58   |
|  | 4 TX Slots | 16.37 | 16.32 | 16.56 | 17      | -3.17            | 13.2                            | 13.15 | 13.39 | 13.83   |
| EGPRS(8PSK)                                    | 1 TX Slot  | 18.34 | 18.28 | 18.33 | 19      | -9.19            | 9.15                            | 9.09  | 9.14  | 9.81    |
|  | 2 TX Slots | 15.99 | 15.95 | 15.96 | 16.5    | -6.18            | 9.81                            | 9.77  | 9.78  | 10.32   |
|  | 3 TX Slots | 13.98 | 13.94 | 14    | 14.5    | -4.42            | 9.56                            | 9.52  | 9.58  | 10.08   |
|  | 4 TX Slots | 13.26 | 13.07 | 13.38 | 13.5    | -3.17            | 10.09                           | 9.9   | 10.21 | 10.33   |

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| GSM 850 Receiver on(Left head)+hotspot 5G   |            |       |       |       |         |                  |                                 |       |       |         |
|---|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                     |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                     |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                                   | GSM        | 23.22 | 23.33 | 23.25 | 24.3    | -9.19            | 14.03                           | 14.14 | 14.06 | 15.11   |
| GPRS/EGPRS (GMSK)                           | 1 TX Slot  | 23.21 | 23.31 | 23.24 | 24.3    | -9.19            | 14.02                           | 14.12 | 14.05 | 15.11   |
|   | 2 TX Slots | 20.79 | 20.91 | 20.86 | 22.3    | -6.18            | 14.61                           | 14.73 | 14.68 | 16.12   |
|   | 3 TX Slots | 18.91 | 19.12 | 19.07 | 20.3    | -4.42            | 14.49                           | 14.7  | 14.65 | 15.88   |
|   | 4 TX Slots | 17.06 | 17.13 | 17.1  | 18.3    | -3.17            | 13.89                           | 13.96 | 13.93 | 15.13   |
| EGPRS(8PSK)                                 | 1 TX Slot  | 17.57 | 17.75 | 17.78 | 18.3    | -9.19            | 8.38                            | 8.56  | 8.59  | 9.11    |
|   | 2 TX Slots | 15.58 | 15.63 | 15.6  | 16.3    | -6.18            | 9.4                             | 9.45  | 9.42  | 10.12   |
|   | 3 TX Slots | 13.19 | 13.25 | 13.85 | 14.3    | -4.42            | 8.77                            | 8.83  | 9.43  | 9.88    |
|   | 4 TX Slots | 11.32 | 11.36 | 11.45 | 12.3    | -3.17            | 8.15                            | 8.19  | 8.28  | 9.13    |
| GSM 1900 Receiver on(Left head)+ hotspot 5G |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                     |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                     |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                                   | GSM        | 21    | 20.97 | 20.98 | 21.5    | -9.19            | 11.81                           | 11.78 | 11.79 | 12.31   |
| GPRS/EGPRS (GMSK)                           | 1 TX Slot  | 20.98 | 20.99 | 21    | 21.5    | -9.19            | 11.79                           | 11.8  | 11.81 | 12.31   |
|   | 2 TX Slots | 19.01 | 18.93 | 18.94 | 19.5    | -6.18            | 12.83                           | 12.75 | 12.76 | 13.32   |
|   | 3 TX Slots | 17.63 | 17.84 | 17.81 | 17.5    | -4.42            | 13.21                           | 13.42 | 13.39 | 13.08   |
|   | 4 TX Slots | 14.67 | 14.78 | 14.95 | 15.5    | -3.17            | 11.5                            | 11.61 | 11.78 | 12.33   |
| EGPRS(8PSK)                                 | 1 TX Slot  | 16.83 | 16.78 | 16.81 | 17.5    | -9.19            | 7.64                            | 7.59  | 7.62  | 8.31    |
|   | 2 TX Slots | 14.48 | 14.39 | 14.45 | 15      | -6.18            | 8.3                             | 8.21  | 8.27  | 8.82    |
|   | 3 TX Slots | 13.86 | 13.59 | 13.85 | 14      | -4.42            | 9.44                            | 9.17  | 9.43  | 9.58    |
|   | 4 TX Slots | 11.09 | 10.81 | 11.74 | 12      | -3.17            | 7.92                            | 7.64  | 8.57  | 8.83    |

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| GSM 850 Receiver on(Right head) +hotspot 5G  |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                      |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                      |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                                    | GSM        | 23.71 | 23.73 | 23.66 | 24.8    | -9.19            | 14.52                           | 14.54 | 14.47 | 15.61   |
| GPRS/EGPRS (GMSK)                            | 1 TX Slot  | 23.71 | 23.77 | 23.69 | 24.8    | -9.19            | 14.52                           | 14.58 | 14.5  | 15.61   |
|  | 2 TX Slots | 21.33 | 21.56 | 21.49 | 22.8    | -6.18            | 15.15                           | 15.38 | 15.31 | 16.62   |
|  | 3 TX Slots | 19.46 | 19.53 | 19.46 | 20.8    | -4.42            | 15.04                           | 15.11 | 15.04 | 16.38   |
|  | 4 TX Slots | 17.45 | 17.65 | 17.56 | 18.8    | -3.17            | 14.28                           | 14.48 | 14.39 | 15.63   |
| EGPRS(8PSK)                                  | 1 TX Slot  | 18.05 | 18.15 | 18.21 | 18.8    | -9.19            | 8.86                            | 8.96  | 9.02  | 9.61    |
|  | 2 TX Slots | 15.88 | 16.06 | 16.1  | 16.8    | -6.18            | 9.7                             | 9.88  | 9.92  | 10.62   |
|  | 3 TX Slots | 14.16 | 14.21 | 14.21 | 14.8    | -4.42            | 9.74                            | 9.79  | 9.79  | 10.38   |
|  | 4 TX Slots | 11.76 | 11.82 | 11.75 | 12.8    | -3.17            | 8.59                            | 8.65  | 8.58  | 9.63    |
| GSM 1900 Receiver on(Right head) +hotspot 5G |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                      |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                      |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                                    | GSM        | 20.5  | 20.51 | 20.55 | 21      | -9.19            | 11.31                           | 11.32 | 11.36 | 11.81   |
| GPRS/EGPRS (GMSK)                            | 1 TX Slot  | 20.55 | 20.54 | 20.54 | 21      | -9.19            | 11.36                           | 11.35 | 11.35 | 11.81   |
|  | 2 TX Slots | 18.54 | 18.47 | 18.51 | 19      | -6.18            | 12.36                           | 12.29 | 12.33 | 12.82   |
|  | 3 TX Slots | 17.04 | 17.25 | 17.57 | 17      | -4.42            | 12.62                           | 12.83 | 13.15 | 12.58   |
|  | 4 TX Slots | 14.16 | 14.22 | 14.41 | 15      | -3.17            | 10.99                           | 11.05 | 11.24 | 11.83   |
| EGPRS(8PSK)                                  | 1 TX Slot  | 16.34 | 16.26 | 16.32 | 17      | -9.19            | 7.15                            | 7.07  | 7.13  | 7.81    |
|  | 2 TX Slots | 13.98 | 13.78 | 13.96 | 14.5    | -6.18            | 7.8                             | 7.6   | 7.78  | 8.32    |
|  | 3 TX Slots | 13.27 | 13.12 | 13.33 | 13.5    | -4.42            | 8.85                            | 8.7   | 8.91  | 9.08    |
|  | 4 TX Slots | 10.59 | 10.31 | 10.55 | 11.5    | -3.17            | 7.42                            | 7.14  | 7.38  | 8.33    |

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| GSM 850 Receiver on(Left head) + BT  |            |       |       |       |         |                  |                                 |       |       |         |
|--------------------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)              |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                              |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                            | GSM        | 26.19 | 26.29 | 26.24 | 27.3    | -9.19            | 17                              | 17.1  | 17.05 | 18.11   |
| GPRS/EGPRS (GMSK)                    | 1 TX Slot  | 26.13 | 26.31 | 26.23 | 27.3    | -9.19            | 16.94                           | 17.12 | 17.04 | 18.11   |
|                                      | 2 TX Slots | 23.97 | 24.03 | 24.07 | 25.3    | -6.18            | 17.79                           | 17.85 | 17.89 | 19.12   |
|                                      | 3 TX Slots | 21.94 | 22.11 | 22.02 | 23.3    | -4.42            | 17.52                           | 17.69 | 17.6  | 18.88   |
|                                      | 4 TX Slots | 19.64 | 19.81 | 19.83 | 21.3    | -3.17            | 16.47                           | 16.64 | 16.66 | 18.13   |
| EGPRS(8PSK)                          | 1 TX Slot  | 20.53 | 20.65 | 20.61 | 21.3    | -9.19            | 11.34                           | 11.46 | 11.42 | 12.11   |
|                                      | 2 TX Slots | 18.54 | 18.58 | 18.71 | 19.3    | -6.18            | 12.36                           | 12.4  | 12.53 | 13.12   |
|                                      | 3 TX Slots | 16.41 | 16.58 | 16.64 | 17.3    | -4.42            | 11.99                           | 12.16 | 12.22 | 12.88   |
|                                      | 4 TX Slots | 14.75 | 14.87 | 14.81 | 15.3    | -3.17            | 11.58                           | 11.7  | 11.64 | 12.13   |
| GSM 1900 Receiver on(Left head) + BT |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)              |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                              |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                            | GSM        | 24.01 | 23.97 | 24.02 | 24.5    | -9.19            | 14.82                           | 14.78 | 14.83 | 15.31   |
| GPRS/EGPRS (GMSK)                    | 1 TX Slot  | 24.01 | 23.96 | 24.03 | 24.5    | -9.19            | 14.82                           | 14.77 | 14.84 | 15.31   |
|                                      | 2 TX Slots | 21.77 | 21.75 | 21.79 | 22.5    | -6.18            | 15.59                           | 15.57 | 15.61 | 16.32   |
|                                      | 3 TX Slots | 19.83 | 19.89 | 19.89 | 20.5    | -4.42            | 15.41                           | 15.47 | 15.47 | 16.08   |
|                                      | 4 TX Slots | 17.34 | 17.23 | 17.28 | 18.5    | -3.17            | 14.17                           | 14.06 | 14.11 | 15.33   |
| EGPRS(8PSK)                          | 1 TX Slot  | 19.81 | 19.76 | 19.84 | 20.5    | -9.19            | 10.62                           | 10.57 | 10.65 | 11.31   |
|                                      | 2 TX Slots | 17.4  | 17.42 | 17.46 | 17.5    | -6.18            | 11.22                           | 11.24 | 11.28 | 11.32   |
|                                      | 3 TX Slots | 15.36 | 15.39 | 15.36 | 15.5    | -4.42            | 10.94                           | 10.97 | 10.94 | 11.08   |
|                                      | 4 TX Slots | 13.27 | 13.23 | 13.35 | 13.5    | -3.17            | 10.1                            | 10.06 | 10.18 | 10.33   |

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| GSM 850 Receiver on(Right head) + BT  |            |       |       |       |         |                  |                                 |       |       |         |
|---------------------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)               |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                               |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                             | GSM        | 26.63 | 26.75 | 26.65 | 27.8    | -9.19            | 17.44                           | 17.56 | 17.46 | 18.61   |
| GPRS/EGPRS (GMSK)                     | 1 TX Slot  | 26.61 | 26.78 | 26.73 | 27.8    | -9.19            | 17.42                           | 17.59 | 17.54 | 18.61   |
|                                       | 2 TX Slots | 24.51 | 24.63 | 24.56 | 25.8    | -6.18            | 18.33                           | 18.45 | 18.38 | 19.62   |
|                                       | 3 TX Slots | 22.46 | 22.65 | 22.54 | 23.8    | -4.42            | 18.04                           | 18.23 | 18.12 | 19.38   |
|                                       | 4 TX Slots | 20.15 | 20.31 | 20.26 | 21.8    | -3.17            | 16.98                           | 17.14 | 17.09 | 18.63   |
| EGPRS(8PSK)                           | 1 TX Slot  | 21.04 | 21.12 | 21.15 | 21.8    | -9.19            | 11.85                           | 11.93 | 11.96 | 12.61   |
|                                       | 2 TX Slots | 18.98 | 19.13 | 19.17 | 19.8    | -6.18            | 12.8                            | 12.95 | 12.99 | 13.62   |
|                                       | 3 TX Slots | 16.97 | 17.03 | 17.08 | 17.8    | -4.42            | 12.55                           | 12.61 | 12.66 | 13.38   |
|                                       | 4 TX Slots | 15.19 | 15.28 | 15.29 | 15.8    | -3.17            | 12.02                           | 12.11 | 12.12 | 12.63   |
| GSM 1900 Receiver on(Right head) + BT |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)               |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                               |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                             | GSM        | 23.51 | 23.46 | 23.56 | 24      | -9.19            | 14.32                           | 14.27 | 14.37 | 14.81   |
| GPRS/EGPRS (GMSK)                     | 1 TX Slot  | 23.52 | 23.52 | 23.57 | 24      | -9.19            | 14.33                           | 14.33 | 14.38 | 14.81   |
|                                       | 2 TX Slots | 21.27 | 21.24 | 21.26 | 22      | -6.18            | 15.09                           | 15.06 | 15.08 | 15.82   |
|                                       | 3 TX Slots | 19.45 | 19.38 | 19.46 | 20      | -4.42            | 15.03                           | 14.96 | 15.04 | 15.58   |
|                                       | 4 TX Slots | 17.75 | 17.85 | 17.63 | 18      | -3.17            | 14.58                           | 14.68 | 14.46 | 14.83   |
| EGPRS(8PSK)                           | 1 TX Slot  | 19.34 | 19.2  | 19.27 | 20      | -9.19            | 10.15                           | 10.01 | 10.08 | 10.81   |
|                                       | 2 TX Slots | 16.98 | 16.75 | 16.87 | 17      | -6.18            | 10.8                            | 10.57 | 10.69 | 10.82   |
|                                       | 3 TX Slots | 15    | 14.92 | 14.96 | 15      | -4.42            | 10.58                           | 10.5  | 10.54 | 10.58   |
|                                       | 4 TX Slots | 12.24 | 12.77 | 12.79 | 13      | -3.17            | 9.07                            | 9.6   | 9.62  | 9.83    |

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| GSM 850 Receiver off (body or limbs) + BT  |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                    |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                    |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)                                  | GSM        | 30.61 | 30.72 | 30.71 | 31.8    | -9.19            | 21.42                           | 21.53 | 21.52 | 22.61   |
| GPRS/EGPRS (GMSK)                          | 1 TX Slot  | 30.61 | 30.78 | 30.59 | 31.8    | -9.19            | 21.42                           | 21.59 | 21.4  | 22.61   |
|  | 2 TX Slots | 28.39 | 28.47 | 28.46 | 29.8    | -6.18            | 22.21                           | 22.29 | 22.28 | 23.62   |
|  | 3 TX Slots | 26.31 | 26.47 | 26.39 | 27.8    | -4.42            | 21.89                           | 22.05 | 21.97 | 23.38   |
|  | 4 TX Slots | 24.25 | 24.39 | 24.31 | 25.8    | -3.17            | 21.08                           | 21.22 | 21.14 | 22.63   |
| EGPRS(8PSK)                                | 1 TX Slot  | 25.13 | 25.21 | 25.26 | 25.8    | -9.19            | 15.94                           | 16.02 | 16.07 | 16.61   |
|  | 2 TX Slots | 22.73 | 22.87 | 22.94 | 23.8    | -6.18            | 16.55                           | 16.69 | 16.76 | 17.62   |
|  | 3 TX Slots | 20.7  | 20.87 | 20.84 | 21.8    | -4.42            | 16.28                           | 16.45 | 16.42 | 17.38   |
|  | 4 TX Slots | 18.55 | 18.78 | 18.77 | 19.8    | -3.17            | 15.38                           | 15.61 | 15.6  | 16.63   |
| GSM 1900 Receiver off (body or limbs) + BT |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                    |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel                                    |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)                                  | GSM        | 28.04 | 28.10 | 28.12 | 28.5    | -9.19            | 18.85                           | 18.91 | 18.93 | 19.31   |
| GPRS/EGPRS (GMSK)                          | 1 TX Slot  | 28.11 | 28.08 | 28.17 | 28.5    | -9.19            | 18.92                           | 18.89 | 18.98 | 19.31   |
|  | 2 TX Slots | 25.85 | 25.83 | 25.88 | 26.5    | -6.18            | 19.67                           | 19.65 | 19.7  | 20.32   |
|  | 3 TX Slots | 23.7  | 23.73 | 23.72 | 24.5    | -4.42            | 19.28                           | 19.31 | 19.3  | 20.08   |
|  | 4 TX Slots | 21.01 | 21.06 | 21.03 | 22.5    | -3.17            | 17.84                           | 17.89 | 17.86 | 19.33   |
| EGPRS(8PSK)                                | 1 TX Slot  | 23.59 | 23.55 | 23.84 | 24.5    | -9.19            | 14.4                            | 14.36 | 14.65 | 15.31   |
|  | 2 TX Slots | 21.38 | 21.38 | 21.41 | 21.5    | -6.18            | 15.2                            | 15.2  | 15.23 | 15.32   |
|  | 3 TX Slots | 19.33 | 19.29 | 19.27 | 19.5    | -4.42            | 14.91                           | 14.87 | 14.85 | 15.08   |
|  | 4 TX Slots | 17.2  | 17.14 | 17.13 | 17.5    | -3.17            | 14.03                           | 13.97 | 13.96 | 14.33   |

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| GSM 850 Receiver on(Left head) + Wi-Fi2.4G Ant1  |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                          |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)  | GSM        | 25.15 | 25.23 | 25.18 | 26.3    | -9.19            | 15.96                           | 16.04 | 15.99 | 17.11   |
| GPRS/EGPRS (GMSK)                                | 1 TX Slot  | 25.11 | 25.21 | 25.14 | 26.3    | -9.19            | 15.92                           | 16.02 | 15.95 | 17.11   |
|  | 2 TX Slots | 23.12 | 23.22 | 23.18 | 24.3    | -6.18            | 16.94                           | 17.04 | 17    | 18.12   |
|  | 3 TX Slots | 20.69 | 20.89 | 20.86 | 22.3    | -4.42            | 16.27                           | 16.47 | 16.44 | 17.88   |
|  | 4 TX Slots | 18.82 | 18.99 | 19.04 | 20.3    | -3.17            | 15.65                           | 15.82 | 15.87 | 17.13   |
| EGPRS(8PSK)                                      | 1 TX Slot  | 19.56 | 19.64 | 19.72 | 20.3    | -9.19            | 10.37                           | 10.45 | 10.53 | 11.11   |
|  | 2 TX Slots | 17.38 | 17.51 | 17.58 | 18.3    | -6.18            | 11.2                            | 11.33 | 11.4  | 12.12   |
|  | 3 TX Slots | 15.43 | 15.56 | 15.56 | 16.3    | -4.42            | 11.01                           | 11.14 | 11.14 | 11.88   |
|  | 4 TX Slots | 13.11 | 13.67 | 13.68 | 14.3    | -3.17            | 9.94                            | 10.5  | 10.51 | 11.13   |
| GSM 1900 Receiver on(Left head) + Wi-Fi2.4G Ant1 |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                          |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)  | GSM        | 22.93 | 22.94 | 23.04 | 23.5    | -9.19            | 13.74                           | 13.75 | 13.85 | 14.31   |
| GPRS/EGPRS (GMSK)                                | 1 TX Slot  | 23.01 | 23.02 | 23.05 | 23.5    | -9.19            | 13.82                           | 13.83 | 13.86 | 14.31   |
|  | 2 TX Slots | 20.84 | 20.83 | 20.81 | 21.5    | -6.18            | 14.66                           | 14.65 | 14.63 | 15.32   |
|  | 3 TX Slots | 18.88 | 18.8  | 18.83 | 19.5    | -4.42            | 14.46                           | 14.38 | 14.41 | 15.08   |
|  | 4 TX Slots | 16.91 | 17.13 | 17.45 | 17.5    | -3.17            | 13.74                           | 13.96 | 14.28 | 14.33   |
| EGPRS(8PSK)                                      | 1 TX Slot  | 18.87 | 18.71 | 18.81 | 19.5    | -9.19            | 9.68                            | 9.52  | 9.62  | 10.31   |
|  | 2 TX Slots | 16.72 | 16.42 | 16.48 | 17      | -6.18            | 10.54                           | 10.24 | 10.3  | 10.82   |
|  | 3 TX Slots | 14.66 | 14.47 | 14.39 | 15.5    | -4.42            | 10.24                           | 10.05 | 9.97  | 11.08   |
|  | 4 TX Slots | 13.82 | 13.56 | 13.78 | 14      | -3.17            | 10.65                           | 10.39 | 10.61 | 10.83   |

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| GSM 850 Receiver on(Right head) + WiFi2.4G Ant1  |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                          |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)  | GSM        | 25.67 | 25.79 | 25.75 | 26.8    | -9.19            | 16.48                           | 16.6  | 16.56 | 17.61   |
| GPRS/EGPRS (GMSK)                                | 1 TX Slot  | 25.68 | 25.77 | 25.74 | 26.8    | -9.19            | 16.49                           | 16.58 | 16.55 | 17.61   |
|  | 2 TX Slots | 23.56 | 23.58 | 23.51 | 24.8    | -6.18            | 17.38                           | 17.4  | 17.33 | 18.62   |
|  | 3 TX Slots | 21.31 | 21.42 | 21.39 | 22.8    | -4.42            | 16.89                           | 17    | 16.97 | 18.38   |
|  | 4 TX Slots | 19.34 | 19.49 | 19.39 | 20.8    | -3.17            | 16.17                           | 16.32 | 16.22 | 17.63   |
| EGPRS(8PSK)                                      | 1 TX Slot  | 20.01 | 20.17 | 20.21 | 20.8    | -9.19            | 10.82                           | 10.98 | 11.02 | 11.61   |
|  | 2 TX Slots | 17.95 | 18.02 | 18.09 | 18.8    | -6.18            | 11.77                           | 11.84 | 11.91 | 12.62   |
|  | 3 TX Slots | 15.78 | 15.94 | 16.04 | 16.8    | -4.42            | 11.36                           | 11.52 | 11.62 | 12.38   |
|  | 4 TX Slots | 14.07 | 14.14 | 14.26 | 14.8    | -3.17            | 10.9                            | 10.97 | 11.09 | 11.63   |
| GSM 1900 Receiver on(Right head) + WiFi2.4G Ant1 |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                          |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)  | GSM        | 22.50 | 22.52 | 22.54 | 23      | -9.19            | 13.31                           | 13.33 | 13.35 | 13.81   |
| GPRS/EGPRS (GMSK)                                | 1 TX Slot  | 22.51 | 22.52 | 22.53 | 23      | -9.19            | 13.32                           | 13.33 | 13.34 | 13.81   |
|  | 2 TX Slots | 20.34 | 20.33 | 20.35 | 21      | -6.18            | 14.16                           | 14.15 | 14.17 | 14.82   |
|  | 3 TX Slots | 18.42 | 18.37 | 18.41 | 19      | -4.42            | 14                              | 13.95 | 13.99 | 14.58   |
|  | 4 TX Slots | 16.32 | 16.41 | 16.63 | 17      | -3.17            | 13.15                           | 13.24 | 13.46 | 13.83   |
| EGPRS(8PSK)                                      | 1 TX Slot  | 18.39 | 18.29 | 18.34 | 19      | -9.19            | 9.2                             | 9.1   | 9.15  | 9.81    |
|  | 2 TX Slots | 15.98 | 15.78 | 15.93 | 16.5    | -6.18            | 9.8                             | 9.6   | 9.75  | 10.32   |
|  | 3 TX Slots | 13.99 | 13.91 | 13.94 | 15      | -4.42            | 9.57                            | 9.49  | 9.52  | 10.58   |
|  | 4 TX Slots | 13.27 | 13.08 | 13.27 | 13.5    | -3.17            | 10.1                            | 9.91  | 10.1  | 10.33   |

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| GSM 850 Receiver off (body or limbs) + WiFi2.4G Ant1  |            |       |       |       |         |                  |                                 |       |       |         |
|---|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                               |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel   |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)   | GSM        | 29.61 | 29.69 | 29.67 | 30.8    | -9.19            | 20.42                           | 20.5  | 20.48 | 21.61   |
| GPRS/EGPRS (GMSK)                                     | 1 TX Slot  | 29.63 | 29.71 | 29.65 | 30.8    | -9.19            | 20.44                           | 20.52 | 20.46 | 21.61   |
|   | 2 TX Slots | 27.45 | 27.54 | 27.52 | 28.8    | -6.18            | 21.27                           | 21.36 | 23.47 | 22.62   |
|   | 3 TX Slots | 25.37 | 25.58 | 25.46 | 26.8    | -4.42            | 20.95                           | 21.16 | 21.04 | 22.38   |
|   | 4 TX Slots | 23.31 | 23.48 | 23.28 | 24.8    | -3.17            | 20.14                           | 20.31 | 20.11 | 21.63   |
| EGPRS(8PSK)   | 1 TX Slot  | 23.79 | 23.84 | 23.88 | 24.8    | -9.19            | 14.6                            | 14.65 | 14.69 | 15.61   |
|   | 2 TX Slots | 21.75 | 21.85 | 21.93 | 22.8    | -6.18            | 15.57                           | 15.67 | 15.75 | 16.62   |
|   | 3 TX Slots | 19.75 | 19.85 | 19.91 | 20.8    | -4.42            | 15.33                           | 15.43 | 15.49 | 16.38   |
|   | 4 TX Slots | 17.61 | 17.77 | 17.78 | 18.8    | -3.17            | 14.44                           | 14.6  | 14.61 | 15.63   |
| GSM 1900 Receiver off (body or limbs) + WiFi2.4G Ant1 |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                               |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel   |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)   | GSM        | 27.00 | 26.98 | 27.04 | 27.5    | -9.19            | 17.81                           | 17.79 | 17.85 | 18.31   |
| GPRS/EGPRS (GMSK)                                     | 1 TX Slot  | 26.99 | 26.97 | 27.02 | 27.5    | -9.19            | 17.8                            | 17.78 | 17.83 | 18.31   |
|   | 2 TX Slots | 24.87 | 24.81 | 24.86 | 25.5    | -6.18            | 18.69                           | 18.63 | 18.68 | 19.32   |
|   | 3 TX Slots | 22.74 | 22.82 | 22.74 | 23.5    | -4.42            | 18.32                           | 18.4  | 18.32 | 19.08   |
|   | 4 TX Slots | 20.14 | 20.07 | 20.09 | 21.5    | -3.17            | 16.97                           | 16.9  | 16.92 | 18.33   |
| EGPRS(8PSK)   | 1 TX Slot  | 22.63 | 22.59 | 22.67 | 23.5    | -9.19            | 13.44                           | 13.4  | 13.48 | 14.31   |
|   | 2 TX Slots | 20.44 | 20.4  | 20.48 | 20.5    | -6.18            | 14.26                           | 14.22 | 14.3  | 14.32   |
|   | 3 TX Slots | 18.34 | 18.29 | 18.36 | 18.5    | -4.42            | 13.92                           | 13.87 | 13.94 | 14.08   |
|   | 4 TX Slots | 16.14 | 16.17 | 16.22 | 16.5    | -3.17            | 12.97                           | 13    | 13.05 | 13.33   |

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| GSM 850 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO  |            |        |       |       |         |                  |                                 |       |       |         |
|---|------------|--------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                                 |            |        |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel   |            | 128    | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)   | GSM        | 23.24  | 23.34 | 23.29 | 24.3    | -9.19            | 14.05                           | 14.15 | 14.1  | 15.11   |
| GPRS/EGPRS (GMSK)                                       | 1 TX Slot  | 23.18  | 23.34 | 23.25 | 24.3    | -9.19            | 13.99                           | 14.15 | 14.06 | 15.11   |
|   | 2 TX Slots | 20.81  | 20.95 | 20.89 | 22.3    | -6.18            | 14.63                           | 14.77 | 14.71 | 16.12   |
|   | 3 TX Slots | 18.95  | 19.08 | 19.07 | 20.3    | -4.42            | 14.53                           | 14.66 | 14.65 | 15.88   |
|   | 4 TX Slots | 16.95  | 17.1  | 17.14 | 18.3    | -3.17            | 13.78                           | 13.93 | 13.97 | 15.13   |
| EGPRS(8PSK)   | 1 TX Slot  | 17.61  | 17.7  | 17.77 | 18.3    | -9.19            | 8.42                            | 8.51  | 8.58  | 9.11    |
|   | 2 TX Slots | 15.654 | 15.62 | 15.61 | 16.3    | -6.18            | 9.474                           | 9.44  | 9.43  | 10.12   |
|   | 3 TX Slots | 13.25  | 13.26 | 13.82 | 14.3    | -4.42            | 8.83                            | 8.84  | 9.4   | 9.88    |
|   | 4 TX Slots | 11.31  | 11.38 | 11.37 | 12.3    | -3.17            | 8.14                            | 8.21  | 8.2   | 9.13    |
| GSM 1900 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO |            |        |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                                 |            |        |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel   |            | 512    | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)   | GSM        | 20.99  | 20.97 | 20.99 | 24.3    | -9.19            | 11.8                            | 11.78 | 11.8  | 15.11   |
| GPRS/EGPRS (GMSK)                                       | 1 TX Slot  | 21.02  | 20.95 | 21.01 | 21.5    | -9.19            | 11.83                           | 11.76 | 11.82 | 12.31   |
|   | 2 TX Slots | 19.02  | 18.95 | 18.98 | 19.5    | -6.18            | 12.84                           | 12.77 | 12.8  | 13.32   |
|   | 3 TX Slots | 17.69  | 17.93 | 17.87 | 17.5    | -4.42            | 13.27                           | 13.51 | 13.45 | 13.08   |
|   | 4 TX Slots | 14.57  | 14.67 | 14.89 | 15.5    | -3.17            | 11.4                            | 11.5  | 11.72 | 12.33   |
| EGPRS(8PSK)   | 1 TX Slot  | 16.91  | 16.78 | 16.84 | 17.5    | -9.19            | 7.72                            | 7.59  | 7.65  | 8.31    |
|   | 2 TX Slots | 13.98  | 13.89 | 13.99 | 15      | -6.18            | 7.8                             | 7.71  | 7.81  | 8.82    |
|   | 3 TX Slots | 13.84  | 13.69 | 13.82 | 14      | -4.42            | 9.42                            | 9.27  | 9.4   | 9.58    |
|   | 4 TX Slots | 11.04  | 10.75 | 11.86 | 12      | -3.17            | 7.87                            | 7.58  | 8.69  | 8.83    |

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| GSM 850 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO  |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                                  |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)  | GSM        | 23.71 | 23.76 | 23.68 | 24.8    | -9.19            | 14.52                           | 14.57 | 14.49 | 15.61   |
| GPRS/EGPRS (GMSK)  | 1 TX Slot  | 23.73 | 23.79 | 23.71 | 24.8    | -9.19            | 14.54                           | 14.6  | 14.52 | 15.61   |
|  | 2 TX Slots | 21.36 | 21.45 | 21.47 | 22.8    | -6.18            | 15.18                           | 15.27 | 15.29 | 16.62   |
|  | 3 TX Slots | 19.43 | 19.57 | 19.49 | 20.8    | -4.42            | 15.01                           | 15.15 | 15.07 | 16.38   |
|  | 4 TX Slots | 17.52 | 17.62 | 17.57 | 18.8    | -3.17            | 14.35                           | 14.45 | 14.4  | 15.63   |
| EGPRS(8PSK)  | 1 TX Slot  | 18.13 | 18.21 | 18.23 | 18.8    | -9.19            | 8.94                            | 9.02  | 9.04  | 9.61    |
|  | 2 TX Slots | 15.9  | 16.06 | 16.07 | 16.8    | -6.18            | 9.72                            | 9.88  | 9.89  | 10.62   |
|  | 3 TX Slots | 14.17 | 14.28 | 14.23 | 14.8    | -4.42            | 9.75                            | 9.86  | 9.81  | 10.38   |
|  | 4 TX Slots | 11.74 | 11.87 | 11.85 | 12.8    | -3.17            | 8.57                            | 8.7   | 8.68  | 9.63    |
| GSM 1900 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                                  |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)  | GSM        | 20.49 | 20.54 | 20.56 | 21      | -9.19            | 11.3                            | 11.35 | 11.37 | 11.81   |
| GPRS/EGPRS (GMSK)  | 1 TX Slot  | 20.53 | 20.56 | 20.57 | 21      | -9.19            | 11.34                           | 11.37 | 11.38 | 11.81   |
|  | 2 TX Slots | 18.52 | 18.47 | 18.49 | 19      | -6.18            | 12.34                           | 12.29 | 12.31 | 12.82   |
|  | 3 TX Slots | 16.98 | 17.21 | 17.49 | 17      | -4.42            | 12.56                           | 12.79 | 13.07 | 12.58   |
|  | 4 TX Slots | 14.16 | 14.21 | 14.39 | 15      | -3.17            | 10.99                           | 11.04 | 11.22 | 11.83   |
| EGPRS(8PSK)  | 1 TX Slot  | 16.35 | 16.28 | 16.33 | 17      | -9.19            | 7.16                            | 7.09  | 7.14  | 7.81    |
|  | 2 TX Slots | 13.99 | 13.78 | 13.98 | 14.5    | -6.18            | 7.81                            | 7.6   | 7.8   | 8.32    |
|  | 3 TX Slots | 13.26 | 13.14 | 13.31 | 13.5    | -4.42            | 8.84                            | 8.72  | 8.89  | 9.08    |
|  | 4 TX Slots | 10.59 | 10.52 | 10.64 | 11.5    | -3.17            | 7.42                            | 7.35  | 7.47  | 8.33    |

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| GSM 850 Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO  |            |       |       |       |         |                  |                                 |       |       |         |
|---|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                                       |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel   |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)   | GSM        | 27.62 | 27.71 | 27.63 | 28.8    | -9.19            | 18.43                           | 18.52 | 18.44 | 19.61   |
| GPRS/EGPRS (GMSK)   | 1 TX Slot  | 27.61 | 27.66 | 27.59 | 28.8    | -9.19            | 18.42                           | 18.47 | 18.4  | 19.61   |
|   | 2 TX Slots | 25.46 | 25.65 | 25.55 | 26.8    | -6.18            | 19.28                           | 19.47 | 19.37 | 20.62   |
|   | 3 TX Slots | 23.51 | 23.65 | 23.56 | 24.8    | -4.42            | 19.09                           | 19.23 | 19.14 | 20.38   |
|   | 4 TX Slots | 21.31 | 21.46 | 21.45 | 22.8    | -3.17            | 18.14                           | 18.29 | 18.28 | 19.63   |
| EGPRS(8PSK)   | 1 TX Slot  | 21.91 | 22.02 | 22.13 | 22.8    | -9.19            | 12.72                           | 12.83 | 12.94 | 13.61   |
|   | 2 TX Slots | 19.89 | 20.02 | 20.05 | 20.8    | -6.18            | 13.71                           | 13.84 | 13.87 | 14.62   |
|   | 3 TX Slots | 17.72 | 17.96 | 17.94 | 18.8    | -4.42            | 13.3                            | 13.54 | 13.52 | 14.38   |
|   | 4 TX Slots | 15.71 | 15.85 | 15.89 | 16.8    | -3.17            | 12.54                           | 12.68 | 12.72 | 13.63   |
| GSM 1900 Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO |            |       |       |       |         |                  |                                 |       |       |         |
| Burst Output Power(dBm)                                       |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel   |            | 512   | 661   | 810   |         |                  | 512                             | 661   | 810   |         |
| GSM(GMSK)   | GSM        | 24.97 | 24.96 | 24.94 | 25.5    | -9.19            | 15.78                           | 15.77 | 15.75 | 16.31   |
| GPRS/EGPRS (GMSK)   | 1 TX Slot  | 24.96 | 24.98 | 24.94 | 25.5    | -9.19            | 15.77                           | 15.79 | 15.75 | 16.31   |
|   | 2 TX Slots | 22.75 | 22.74 | 22.77 | 23.5    | -6.18            | 16.57                           | 16.56 | 16.59 | 17.32   |
|   | 3 TX Slots | 20.66 | 20.63 | 20.67 | 21.5    | -4.42            | 16.24                           | 16.21 | 16.25 | 17.08   |
|   | 4 TX Slots | 18.36 | 18.32 | 18.31 | 19.5    | -3.17            | 15.19                           | 15.15 | 15.14 | 16.33   |
| EGPRS(8PSK)   | 1 TX Slot  | 20.78 | 20.67 | 20.74 | 21.5    | -9.19            | 11.59                           | 11.48 | 11.55 | 12.31   |
|   | 2 TX Slots | 18.63 | 18.66 | 18.71 | 18.5    | -6.18            | 12.45                           | 12.48 | 12.53 | 12.32   |
|   | 3 TX Slots | 16.34 | 16.35 | 16.39 | 16.5    | -4.42            | 11.92                           | 11.93 | 11.97 | 12.08   |
|   | 4 TX Slots | 14.29 | 14.3  | 14.33 | 14.5    | -3.17            | 11.12                           | 11.13 | 11.16 | 11.33   |

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| GSM 850 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO |            |        |       |       |         |                  |                                 |       |       |         |
|---|------------|--------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                                     |            |        |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel   |            | 128    | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)   | GSM        | 23.24  | 23.34 | 23.29 | 24.3    | -9.19            | 14.05                           | 14.15 | 14.1  | 15.11   |
| GPRS/EGPRS (GMSK)   | 1 TX Slot  | 23.18  | 23.34 | 23.25 | 24.3    | -9.19            | 13.99                           | 14.15 | 14.06 | 15.11   |
|   | 2 TX Slots | 20.81  | 20.95 | 20.89 | 22.3    | -6.18            | 14.63                           | 14.77 | 14.71 | 16.12   |
|   | 3 TX Slots | 18.95  | 19.08 | 19.07 | 20.3    | -4.42            | 14.53                           | 14.66 | 14.65 | 15.88   |
|   | 4 TX Slots | 16.95  | 17.1  | 17.14 | 18.3    | -3.17            | 13.78                           | 13.93 | 13.97 | 15.13   |
| EGPRS(8PSK)   | 1 TX Slot  | 17.61  | 17.7  | 17.77 | 18.3    | -9.19            | 8.42                            | 8.51  | 8.58  | 9.11    |
|   | 2 TX Slots | 15.654 | 15.62 | 15.61 | 16.3    | -6.18            | 9.474                           | 9.44  | 9.43  | 10.12   |
|   | 3 TX Slots | 13.25  | 13.26 | 13.82 | 14.3    | -4.42            | 8.83                            | 8.84  | 9.4   | 9.88    |
|   | 4 TX Slots | 11.31  | 11.38 | 11.37 | 12.3    | -3.17            | 8.14                            | 8.21  | 8.2   | 9.13    |

| GSM 850 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                                      |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)  | GSM        | 23.71 | 23.76 | 23.68 | 24.8    | -9.19            | 14.52                           | 14.57 | 14.49 | 15.61   |
| GPRS/EGPRS (GMSK)  | 1 TX Slot  | 23.73 | 23.79 | 23.71 | 24.8    | -9.19            | 14.54                           | 14.6  | 14.52 | 15.61   |
|  | 2 TX Slots | 21.36 | 21.45 | 21.47 | 22.8    | -6.18            | 15.18                           | 15.27 | 15.29 | 16.62   |
|  | 3 TX Slots | 19.43 | 19.57 | 19.49 | 20.8    | -4.42            | 15.01                           | 15.15 | 15.07 | 16.38   |
|  | 4 TX Slots | 17.52 | 17.62 | 17.57 | 18.8    | -3.17            | 14.35                           | 14.45 | 14.4  | 15.63   |
| EGPRS(8PSK)  | 1 TX Slot  | 18.13 | 18.21 | 18.23 | 18.8    | -9.19            | 8.94                            | 9.02  | 9.04  | 9.61    |
|  | 2 TX Slots | 15.9  | 16.06 | 16.07 | 16.8    | -6.18            | 9.72                            | 9.88  | 9.89  | 10.62   |
|  | 3 TX Slots | 14.17 | 14.28 | 14.23 | 14.8    | -4.42            | 9.75                            | 9.86  | 9.81  | 10.38   |
|  | 4 TX Slots | 11.74 | 11.87 | 11.85 | 12.8    | -3.17            | 8.57                            | 8.7   | 8.68  | 9.63    |

| GSM 850 Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO |            |       |       |       |         |                  |                                 |       |       |         |
|---|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)   |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel   |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)   | GSM        | 27.62 | 27.71 | 27.63 | 28.8    | -9.19            | 18.43                           | 18.52 | 18.44 | 19.61   |
| GPRS/EGPRS (GMSK)   | 1 TX Slot  | 27.61 | 27.66 | 27.59 | 28.8    | -9.19            | 18.42                           | 18.47 | 18.4  | 19.61   |
|   | 2 TX Slots | 25.46 | 25.65 | 25.55 | 26.8    | -6.18            | 19.28                           | 19.47 | 19.37 | 20.62   |
|   | 3 TX Slots | 23.51 | 23.65 | 23.56 | 24.8    | -4.42            | 19.09                           | 19.23 | 19.14 | 20.38   |
|   | 4 TX Slots | 21.31 | 21.46 | 21.45 | 22.8    | -3.17            | 18.14                           | 18.29 | 18.28 | 19.63   |
| EGPRS(8PSK)   | 1 TX Slot  | 21.91 | 22.02 | 22.13 | 22.8    | -9.19            | 12.72                           | 12.83 | 12.94 | 13.61   |
|   | 2 TX Slots | 19.89 | 20.02 | 20.05 | 20.8    | -6.18            | 13.71                           | 13.84 | 13.87 | 14.62   |
|   | 3 TX Slots | 17.72 | 17.96 | 17.94 | 18.8    | -4.42            | 13.3                            | 13.54 | 13.52 | 14.38   |
|   | 4 TX Slots | 15.71 | 15.85 | 15.89 | 16.8    | -3.17            | 12.54                           | 12.68 | 12.72 | 13.63   |

| GSM 850 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2 |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)                                      |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)  | GSM        | 25.15 | 25.23 | 25.18 | 26.3    | -9.19            | 15.96                           | 16.04 | 15.99 | 17.11   |
| GPRS/EGPRS (GMSK)  | 1 TX Slot  | 25.11 | 25.21 | 25.14 | 26.3    | -9.19            | 15.92                           | 16.02 | 15.95 | 17.11   |
|  | 2 TX Slots | 23.12 | 23.22 | 23.18 | 24.3    | -6.18            | 16.94                           | 17.04 | 17    | 18.12   |
|  | 3 TX Slots | 20.69 | 20.89 | 20.86 | 22.3    | -4.42            | 16.27                           | 16.47 | 16.44 | 17.88   |
|  | 4 TX Slots | 18.82 | 18.99 | 19.04 | 20.3    | -3.17            | 15.65                           | 15.82 | 15.87 | 17.13   |

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|             |            |       |       |       |      |       |       |       |       |       |
|-------------|------------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| EGPRS(8PSK) | 1 TX Slot  | 19.56 | 19.64 | 19.72 | 20.3 | -9.19 | 10.37 | 10.45 | 10.53 | 11.11 |
|             | 2 TX Slots | 17.38 | 17.51 | 17.58 | 18.3 | -6.18 | 11.2  | 11.33 | 11.4  | 12.12 |
|             | 3 TX Slots | 15.43 | 15.56 | 15.56 | 16.3 | -4.42 | 11.01 | 11.14 | 11.14 | 11.88 |
|             | 4 TX Slots | 13.11 | 13.67 | 13.68 | 14.3 | -3.17 | 9.94  | 10.5  | 10.51 | 11.13 |

| GSM 850 Receiver on(Right head) + Wi-Fi2.4G Ant1 + Wi-Fi5G Ant2 |            |       |       |       |         |                  |                                 |       |       |         |
|---|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)   |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel   |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)   | GSM        | 25.67 | 25.79 | 25.75 | 26.8    | -9.19            | 16.48                           | 16.6  | 16.56 | 17.61   |
| GPRS/EGPRS (GMSK)   | 1 TX Slot  | 25.68 | 25.77 | 25.74 | 26.8    | -9.19            | 16.49                           | 16.58 | 16.55 | 17.61   |
|   | 2 TX Slots | 23.56 | 23.58 | 23.51 | 24.8    | -6.18            | 17.38                           | 17.4  | 17.33 | 18.62   |
|   | 3 TX Slots | 21.31 | 21.42 | 21.39 | 22.8    | -4.42            | 16.89                           | 17    | 16.97 | 18.38   |
|   | 4 TX Slots | 19.34 | 19.49 | 19.39 | 20.8    | -3.17            | 16.17                           | 16.32 | 16.22 | 17.63   |
| EGPRS(8PSK)   | 1 TX Slot  | 20.01 | 20.17 | 20.21 | 20.8    | -9.19            | 10.82                           | 10.98 | 11.02 | 11.61   |
|   | 2 TX Slots | 17.95 | 18.02 | 18.09 | 18.8    | -6.18            | 11.77                           | 11.84 | 11.91 | 12.62   |
|   | 3 TX Slots | 15.78 | 15.94 | 16.04 | 16.8    | -4.42            | 11.36                           | 11.52 | 11.62 | 12.38   |
|   | 4 TX Slots | 14.07 | 14.14 | 14.26 | 14.8    | -3.17            | 10.9                            | 10.97 | 11.09 | 11.63   |

| GSM 850 Receiver off (body or limbs) + Wi-Fi2.4G Ant1 + Wi-Fi5G Ant2 |            |       |       |       |         |                  |                                 |       |       |         |
|--|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)  |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up |
| Channel  |            | 128   | 190   | 251   |         |                  | 128                             | 190   | 251   |         |
| GSM(GMSK)  | GSM        | 29.61 | 29.69 | 29.67 | 30.8    | -9.19            | 20.42                           | 20.5  | 20.48 | 21.61   |
| GPRS/EGPRS (GMSK)  | 1 TX Slot  | 29.63 | 29.71 | 29.65 | 30.8    | -9.19            | 20.44                           | 20.52 | 20.46 | 21.61   |
|  | 2 TX Slots | 27.45 | 27.54 | 27.52 | 28.8    | -6.18            | 21.27                           | 21.36 | 21.37 | 22.62   |
|  | 3 TX Slots | 25.37 | 25.58 | 25.46 | 26.8    | -4.42            | 20.95                           | 21.16 | 21.04 | 22.38   |
|  | 4 TX Slots | 23.31 | 23.48 | 23.28 | 24.8    | -3.17            | 20.14                           | 20.31 | 20.11 | 21.63   |
| EGPRS(8PSK)  | 1 TX Slot  | 23.79 | 23.84 | 23.88 | 24.8    | -9.19            | 14.6                            | 14.65 | 14.69 | 15.61   |
|  | 2 TX Slots | 21.75 | 21.85 | 21.93 | 22.8    | -6.18            | 15.57                           | 15.67 | 15.75 | 16.62   |
|  | 3 TX Slots | 19.75 | 19.85 | 19.91 | 20.8    | -4.42            | 15.33                           | 15.43 | 15.49 | 16.38   |
|  | 4 TX Slots | 17.61 | 17.77 | 17.78 | 18.8    | -3.17            | 14.44                           | 14.6  | 14.61 | 15.63   |

Table 13: Conducted Power of GSM

Note:

- 1) . CMU200 measures GSM peak and average output power for active timeslots. For SAR the time based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

| No. of timeslots                                     | 1     | 2      | 3      | 4       |
|--|-------|--------|--------|---------|
| Duty Cycle   | 1:8.3 | 1:4.15 | 1:2.77 | 1:2.075 |
| Time based avg. power compared to slotted avg. power | -9.19 | -6.18  | -4.42  | -3.17   |

- 2) . The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:  
Frame-averaged power = 10 x log (Burst-averaged power mW x Slot used / 8
- 3) . When the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used

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### 8.1.2.2

### Conducted Power of WCDMA

| WCDMA Band II Receiver on(Left head) |              |       |              |       |         |
|--------------------------------------|--------------|-------|--------------|-------|---------|
| Average Conducted Power(dBm)         |              |       |              |       |         |
| Channel                              |              | 9262  | 9400         | 9538  | Tune up |
| WCDMA                                | 12.2kbps RMC | 16.7  | <b>16.64</b> | 16.56 | 17.5    |
|                                      | 12.2kbps AMR | 16.68 | 16.61        | 16.52 | 17.5    |
| HSDPA                                | Subtest 1    | 16.12 | 15.94        | 15.91 | 17      |
|                                      | Subtest 2    | 15.49 | 15.41        | 15.29 | 16      |
|                                      | Subtest 3    | 14.59 | 14.74        | 14.67 | 15.5    |
|                                      | Subtest 4    | 15.11 | 14.86        | 14.72 | 15.5    |
| HSUPA                                | Subtest 1    | 15.31 | 15.18        | 15.16 | 15.5    |
|                                      | Subtest 2    | 12.28 | 12.18        | 12.17 | 12.5    |
|                                      | Subtest 3    | 14.29 | 14.17        | 14.19 | 14.5    |
|                                      | Subtest 4    | 12.52 | 12.61        | 12.57 | 13      |
|                                      | Subtest 5    | 15.31 | 15.18        | 15.08 | 15.5    |
| DC-HSDPA                             | Subtest 1    | 16.09 | 15.87        | 15.8  | 17      |
|                                      | Subtest 2    | 15.38 | 15.39        | 15.18 | 16      |
|                                      | Subtest 3    | 14.58 | 14.7         | 14.64 | 15.5    |
|                                      | Subtest 4    | 15.03 | 14.76        | 14.68 | 15.5    |

| WCDMA Band II Receiver on(Right head) |              |              |              |              |         |
|---------------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm)          |              |              |              |              |         |
| Channel                               |              | 9262         | 9400         | 9538         | Tune up |
| WCDMA                                 | 12.2kbps RMC | <b>15.69</b> | <b>15.63</b> | <b>15.52</b> | 16.5    |
|                                       | 12.2kbps AMR | 15.66        | 15.59        | 15.5         | 16.5    |
| HSDPA                                 | Subtest 1    | 15.01        | 14.97        | 14.95        | 16      |
|                                       | Subtest 2    | 14.4         | 14.37        | 14.45        | 15      |
|                                       | Subtest 3    | 13.57        | 13.53        | 13.68        | 14.5    |
|                                       | Subtest 4    | 14.96        | 13.71        | 13.54        | 14.5    |
| HSUPA                                 | Subtest 1    | 14.27        | 14.16        | 14.07        | 14.5    |
|                                       | Subtest 2    | 11.26        | 11.16        | 11.16        | 11.5    |
|                                       | Subtest 3    | 12.25        | 12.15        | 12.17        | 13.5    |
|                                       | Subtest 4    | 11.66        | 11.68        | 11.57        | 12      |
|                                       | Subtest 5    | 14.13        | 14.15        | 14.17        | 14.5    |
| DC-HSDPA                              | Subtest 1    | 14.88        | 14.84        | 14.91        | 16      |
|                                       | Subtest 2    | 14.38        | 14.34        | 14.44        | 15      |
|                                       | Subtest 3    | 13.49        | 13.45        | 13.57        | 14.5    |
|                                       | Subtest 4    | 14.37        | 13.71        | 13.45        | 14.5    |

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| WCDMA Band II Receiver off (body or limbs) |              |              |              |              |         |
|--|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm)               |              |              |              |              |         |
| Channel                                    |              | 9262         | 9400         | 9538         | Tune up |
| WCDMA                                      | 12.2kbps RMC | <b>20.75</b> | <b>20.72</b> | <b>20.61</b> | 21.5    |
|  | 12.2kbps AMR | 20.72        | 20.69        | 20.58        | 21.5    |
| HSDPA                                      | Subtest 1    | 20.29        | 19.95        | 19.83        | 21      |
|  | Subtest 2    | 19.92        | 19.54        | 19.65        | 20      |
|  | Subtest 3    | 19.05        | 18.82        | 18.85        | 19.5    |
|  | Subtest 4    | 19           | 18.71        | 18.73        | 19.5    |
| HSUPA                                      | Subtest 1    | 19.32        | 19.21        | 19.11        | 19.5    |
|  | Subtest 2    | 16.31        | 16.22        | 16.11        | 16.5    |
|  | Subtest 3    | 18.3         | 18.21        | 18.11        | 18.5    |
|  | Subtest 4    | 16.82        | 16.75        | 16.66        | 17      |
|  | Subtest 5    | 19.33        | 19.19        | 19.12        | 19.5    |
| DC-HSDPA                                   | Subtest 1    | 20.15        | 19.86        | 19.82        | 21      |
|  | Subtest 2    | 19.83        | 19.48        | 19.63        | 20      |
|  | Subtest 3    | 19.01        | 18.8         | 18.81        | 19.5    |
|  | Subtest 4    | 18.95        | 18.59        | 18.61        | 19.5    |

| WCDMA Band II Receiver off (body or limbs) + hotspot 2.4G |              |              |              |              |         |
|---|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm)                              |              |              |              |              |         |
| Channel   |              | 9262         | 9400         | 9538         | Tune up |
| WCDMA   | 12.2kbps RMC | <b>17.76</b> | <b>17.73</b> | <b>17.57</b> | 18.5    |
|   | 12.2kbps AMR | 17.72        | 17.69        | 17.54        | 18.5    |
| HSDPA   | Subtest 1    | 16.52        | 16.45        | 16.44        | 18      |
|   | Subtest 2    | 15.84        | 15.87        | 15.88        | 17      |
|   | Subtest 3    | 15.08        | 15.03        | 15.24        | 16.5    |
|   | Subtest 4    | 16.45        | 15.22        | 15.06        | 16.5    |
| HSUPA   | Subtest 1    | 15.74        | 15.69        | 15.54        | 16.5    |
|   | Subtest 2    | 12.82        | 12.71        | 12.63        | 13.5    |
|   | Subtest 3    | 13.77        | 13.65        | 13.71        | 15.5    |
|   | Subtest 4    | 13.12        | 13.2         | 13.11        | 14      |
|   | Subtest 5    | 15.63        | 15.7         | 15.64        | 16.5    |
| DC-HSDPA  | Subtest 1    | 16.36        | 16.37        | 16.44        | 18      |
|   | Subtest 2    | 15.95        | 15.84        | 15.91        | 17      |
|   | Subtest 3    | 14.94        | 14.9         | 15.04        | 16.5    |
|   | Subtest 4    | 16.3         | 15.29        | 14.9         | 16.5    |

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| WCDMA Band II Receiver off (body or limbs) + hotspot 5G |              |              |              |              |         |
|---|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm)                            |              |              |              |              |         |
| Channel   |              | 9262         | 9400         | 9538         | Tune up |
| WCDMA   | 12.2kbps RMC | <b>15.76</b> | <b>15.74</b> | <b>15.59</b> | 16.5    |
|   | 12.2kbps AMR | 15.73        | 15.71        | 15.55        | 16.5    |
| HSDPA   | Subtest 1    | 14.52        | 14.45        | 14.44        | 16      |
|   | Subtest 2    | 13.84        | 13.87        | 13.88        | 15      |
|   | Subtest 3    | 13.08        | 13.03        | 13.24        | 14.5    |
|   | Subtest 4    | 14.45        | 13.22        | 13.06        | 14.5    |
| HSUPA   | Subtest 1    | 13.74        | 13.69        | 13.54        | 14.5    |
|   | Subtest 2    | 10.82        | 10.71        | 10.63        | 11.5    |
|   | Subtest 3    | 11.77        | 11.65        | 11.71        | 13.5    |
|   | Subtest 4    | 11.12        | 11.2         | 11.11        | 12      |
|   | Subtest 5    | 13.63        | 13.7         | 13.64        | 14.5    |
| DC-HSDPA  | Subtest 1    | 14.36        | 14.37        | 14.44        | 16      |
|   | Subtest 2    | 13.95        | 13.84        | 13.91        | 15      |
|   | Subtest 3    | 12.94        | 12.9         | 13.04        | 14.5    |
|   | Subtest 4    | 14.3         | 13.29        | 12.9         | 14.5    |

| WCDMA Band II Receiver on(Left head) +hotspot 2.4G |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                       |              |       |       |       |         |
| Channel  |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA  | 12.2kbps RMC | 13.53 | 13.54 | 13.57 | 14.5    |
|  | 12.2kbps AMR | 13.5  | 13.51 | 13.53 | 14.5    |
| HSDPA  | Subtest 1    | 13.02 | 12.95 | 12.94 | 14      |
|  | Subtest 2    | 12.34 | 12.37 | 12.38 | 13      |
|  | Subtest 3    | 11.58 | 11.53 | 11.74 | 12.5    |
|  | Subtest 4    | 12.35 | 11.72 | 11.56 | 12.5    |
| HSUPA  | Subtest 1    | 12.24 | 12.19 | 12.04 | 12.5    |
|  | Subtest 2    | 9.32  | 9.21  | 9.13  | 9.5     |
|  | Subtest 3    | 10.27 | 10.15 | 10.21 | 11.5    |
|  | Subtest 4    | 9.62  | 9.7   | 9.61  | 10      |
|  | Subtest 5    | 12.13 | 12.2  | 12.14 | 12.5    |
| DC-HSDPA   | Subtest 1    | 12.86 | 12.87 | 12.94 | 14      |
|  | Subtest 2    | 12.45 | 12.34 | 12.41 | 13      |
|  | Subtest 3    | 11.44 | 11.4  | 11.54 | 12.5    |
|  | Subtest 4    | 12.3  | 11.79 | 11.4  | 12.5    |

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| WCDMA Band II Receiver on(Right head) + hotspot 2.4G |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                         |              |       |       |       |         |
| Channel  |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA  | 12.2kbps RMC | 12.61 | 12.54 | 12.58 | 13.5    |
|  | 12.2kbps AMR | 12.58 | 12.51 | 12.55 | 13.5    |
| HSDPA  | Subtest 1    | 12.08 | 12.03 | 12.04 | 13      |
|  | Subtest 2    | 11.36 | 11.46 | 11.41 | 12      |
|  | Subtest 3    | 10.68 | 10.63 | 10.83 | 11.5    |
|  | Subtest 4    | 11.96 | 10.79 | 10.63 | 11.5    |
| HSUPA  | Subtest 1    | 11.26 | 11.28 | 11.04 | 11.5    |
|  | Subtest 2    | 8.36  | 8.24  | 8.14  | 8.5     |
|  | Subtest 3    | 9.37  | 9.19  | 9.26  | 10.5    |
|  | Subtest 4    | 8.64  | 8.77  | 8.64  | 9       |
|  | Subtest 5    | 11.17 | 11.25 | 11.18 | 11.5    |
| DC-HSDPA   | Subtest 1    | 11.89 | 11.92 | 11.98 | 13      |
|  | Subtest 2    | 11.52 | 11.35 | 11.43 | 12      |
|  | Subtest 3    | 10.44 | 10.47 | 10.57 | 11.5    |
|  | Subtest 4    | 11.29 | 10.84 | 10.42 | 11.5    |

| WCDMA Band II Receiver on(Left head) +hotspot 5G |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                     |              |       |       |       |         |
| Channel  |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA  | 12.2kbps RMC | 11.55 | 11.57 | 11.59 | 12.5    |
|  | 12.2kbps AMR | 11.51 | 11.54 | 11.55 | 12.5    |
| HSDPA  | Subtest 1    | 10.98 | 10.99 | 11.01 | 12      |
|  | Subtest 2    | 10.33 | 10.43 | 10.36 | 11      |
|  | Subtest 3    | 9.6   | 9.59  | 9.79  | 10.5    |
|  | Subtest 4    | 10.94 | 9.72  | 9.61  | 10.5    |
| HSUPA  | Subtest 1    | 10.17 | 10.23 | 10    | 10.5    |
|  | Subtest 2    | 7.35  | 7.14  | 7.1   | 7.5     |
|  | Subtest 3    | 8.34  | 8.18  | 8.2   | 9.5     |
|  | Subtest 4    | 7.59  | 7.75  | 7.59  | 8       |
|  | Subtest 5    | 10.14 | 10.2  | 10.09 | 10.5    |
| DC-HSDPA   | Subtest 1    | 10.8  | 10.87 | 10.9  | 12      |
|  | Subtest 2    | 10.42 | 10.31 | 10.39 | 11      |
|  | Subtest 3    | 9.44  | 9.38  | 9.48  | 10.5    |
|  | Subtest 4    | 10.31 | 9.82  | 9.37  | 10.5    |

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| WCDMA Band II Receiver on(Right head) + hotspot 5G |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                       |              |       |       |       |         |
| Channel  |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA  | 12.2kbps RMC | 10.55 | 10.57 | 10.58 | 11.5    |
|  | 12.2kbps AMR | 10.52 | 10.54 | 10.54 | 11.5    |
| HSDPA  | Subtest 1    | 10.03 | 10.04 | 10.03 | 11      |
|  | Subtest 2    | 9.35  | 9.51  | 9.37  | 10      |
|  | Subtest 3    | 8.65  | 8.65  | 8.82  | 9.5     |
|  | Subtest 4    | 9.29  | 8.73  | 8.67  | 9.5     |
| HSUPA  | Subtest 1    | 9.27  | 9.32  | 9.06  | 9.5     |
|  | Subtest 2    | 6.35  | 6.17  | 6.16  | 6.5     |
|  | Subtest 3    | 7.4   | 7.18  | 7.3   | 8.5     |
|  | Subtest 4    | 6.63  | 6.82  | 6.68  | 7       |
|  | Subtest 5    | 9.23  | 9.23  | 9.13  | 9.5     |
| DC-HSDPA   | Subtest 1    | 9.8   | 9.93  | 9.97  | 11      |
|  | Subtest 2    | 9.49  | 9.4   | 9.42  | 10      |
|  | Subtest 3    | 8.49  | 8.46  | 8.54  | 9.5     |
|  | Subtest 4    | 9.35  | 8.91  | 8.43  | 9.5     |

| WCDMA Band II Receiver on(Left head) + BT |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)              |              |       |       |       |         |
| Channel                                   |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA                                     | 12.2kbps RMC | 14.57 | 14.58 | 14.62 | 15.5    |
|   | 12.2kbps AMR | 14.53 | 14.54 | 14.59 | 15.5    |
| HSDPA                                     | Subtest 1    | 14.02 | 14.02 | 13.99 | 15      |
|   | Subtest 2    | 13.27 | 13.5  | 13.36 | 14      |
|   | Subtest 3    | 12.39 | 12.64 | 12.78 | 13.5    |
|   | Subtest 4    | 13.27 | 12.73 | 12.58 | 13.5    |
| HSUPA                                     | Subtest 1    | 13.25 | 13.26 | 13.04 | 13.5    |
|   | Subtest 2    | 10.35 | 10.09 | 10.11 | 10.5    |
|   | Subtest 3    | 11.4  | 11.09 | 11.26 | 12.5    |
|   | Subtest 4    | 10.58 | 10.73 | 10.63 | 11      |
|   | Subtest 5    | 13.16 | 13.21 | 13.05 | 13.5    |
| DC-HSDPA                                  | Subtest 1    | 13.79 | 13.91 | 13.92 | 15      |
|   | Subtest 2    | 13.45 | 13.36 | 13.36 | 14      |
|   | Subtest 3    | 12.47 | 12.38 | 12.53 | 13.5    |
|   | Subtest 4    | 13.28 | 12.9  | 12.4  | 13.5    |

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| WCDMA Band II Receiver on(Right head) + BT |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)               |              |       |       |       |         |
| Channel                                    |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA                                      | 12.2kbps RMC | 13.56 | 13.55 | 13.59 | 14.5    |
|  | 12.2kbps AMR | 13.52 | 13.51 | 13.56 | 14.5    |
| HSDPA                                      | Subtest 1    | 13.06 | 13.11 | 13.02 | 14      |
|  | Subtest 2    | 12.28 | 12.55 | 12.38 | 13      |
|  | Subtest 3    | 11.61 | 11.64 | 11.79 | 12.5    |
|  | Subtest 4    | 12.02 | 11.77 | 11.58 | 12.5    |
| HSUPA                                      | Subtest 1    | 12.35 | 12.31 | 12.1  | 12.5    |
|  | Subtest 2    | 9.39  | 9.14  | 9.12  | 9.5     |
|  | Subtest 3    | 10.46 | 10.14 | 10.29 | 11.5    |
|  | Subtest 4    | 9.65  | 9.78  | 9.67  | 10      |
|  | Subtest 5    | 12.24 | 12.22 | 12.1  | 12.5    |
| DC-HSDPA                                   | Subtest 1    | 12.81 | 12.96 | 12.99 | 14      |
|  | Subtest 2    | 12.52 | 12.39 | 12.38 | 13      |
|  | Subtest 3    | 11.55 | 11.38 | 11.58 | 12.5    |
|  | Subtest 4    | 12.33 | 11.92 | 11.47 | 12.5    |

| WCDMA Band II Receiver off (body or limbs) + BT |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                    |              |       |       |       |         |
| Channel   |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA   | 12.2kbps RMC | 18.61 | 18.57 | 18.47 | 19.5    |
|   | 12.2kbps AMR | 18.58 | 18.52 | 18.43 | 19.5    |
| HSDPA   | Subtest 1    | 18    | 18.06 | 17.97 | 19      |
|   | Subtest 2    | 17.19 | 17.49 | 17.35 | 18      |
|   | Subtest 3    | 16.56 | 16.54 | 16.77 | 17.5    |
|   | Subtest 4    | 17.29 | 16.73 | 16.53 | 17.5    |
| HSUPA   | Subtest 1    | 17.3  | 17.24 | 17.06 | 17.5    |
|   | Subtest 2    | 14.36 | 14.07 | 14.08 | 14.5    |
|   | Subtest 3    | 15.41 | 15.07 | 15.23 | 16.5    |
|   | Subtest 4    | 14.64 | 14.77 | 14.62 | 15      |
|   | Subtest 5    | 17.23 | 17.16 | 17.1  | 17.5    |
| DC-HSDPA  | Subtest 1    | 17.81 | 17.9  | 17.95 | 19      |
|   | Subtest 2    | 17.49 | 17.3  | 17.31 | 18      |
|   | Subtest 3    | 16.48 | 16.38 | 16.54 | 17.5    |
|   | Subtest 4    | 17.15 | 16.87 | 16.47 | 17.5    |

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| WCDMA Band II Receiver on(Left head) + WiFi2.4G Ant1 |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                         |              |       |       |       |         |
| Channel  |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA  | 12.2kbps RMC | 13.56 | 13.57 | 13.51 | 14.5    |
|  | 12.2kbps AMR | 13.53 | 13.54 | 13.47 | 14.5    |
| HSDPA  | Subtest 1    | 12.96 | 12.99 | 12.89 | 14      |
|  | Subtest 2    | 12.17 | 12.4  | 12.32 | 13      |
|  | Subtest 3    | 11.54 | 11.5  | 11.74 | 12.5    |
|  | Subtest 4    | 12.19 | 11.72 | 11.52 | 12.5    |
| HSUPA  | Subtest 1    | 12.24 | 12.23 | 12.01 | 12.5    |
|  | Subtest 2    | 9.34  | 9.04  | 9     | 9.5     |
|  | Subtest 3    | 10.36 | 10.03 | 10.21 | 11.5    |
|  | Subtest 4    | 9.6   | 9.68  | 9.59  | 10      |
|  | Subtest 5    | 12.17 | 12.11 | 12.01 | 12.5    |
| DC-HSDPA   | Subtest 1    | 12.75 | 12.88 | 12.89 | 14      |
|  | Subtest 2    | 12.45 | 12.28 | 12.22 | 13      |
|  | Subtest 3    | 11.41 | 11.35 | 11.54 | 12.5    |
|  | Subtest 4    | 12.24 | 11.8  | 11.47 | 12.5    |

| WCDMA Band II Receiver on(Right head) + WiFi2.4G Ant1 |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                          |              |       |       |       |         |
| Channel   |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA   | 12.2kbps RMC | 12.53 | 12.56 | 12.59 | 13.5    |
|   | 12.2kbps AMR | 12.49 | 12.53 | 12.55 | 13.5    |
| HSDPA   | Subtest 1    | 11.88 | 11.93 | 11.84 | 13      |
|   | Subtest 2    | 11.17 | 11.4  | 11.28 | 12      |
|   | Subtest 3    | 10.53 | 10.49 | 10.72 | 11.5    |
|   | Subtest 4    | 11.22 | 10.64 | 10.42 | 11.5    |
| HSUPA   | Subtest 1    | 11.17 | 11.12 | 10.98 | 11.5    |
|   | Subtest 2    | 8.28  | 7.93  | 7.95  | 8.5     |
|   | Subtest 3    | 9.33  | 9.02  | 9.13  | 10.5    |
|   | Subtest 4    | 8.58  | 8.62  | 8.58  | 9       |
|   | Subtest 5    | 11.16 | 11    | 10.99 | 11.5    |
| DC-HSDPA  | Subtest 1    | 11.7  | 11.8  | 11.83 | 13      |
|   | Subtest 2    | 11.4  | 11.23 | 11.15 | 12      |
|   | Subtest 3    | 10.37 | 10.28 | 10.51 | 11.5    |
|   | Subtest 4    | 11.24 | 10.7  | 10.36 | 11.5    |

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| WCDMA Band II Receiver off (body or limbs) + WiFi2.4G Ant1 |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                               |              |       |       |       |         |
| Channel  |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA  | 12.2kbps RMC | 17.62 | 17.58 | 17.47 | 18.5    |
|  | 12.2kbps AMR | 17.58 | 17.54 | 17.43 | 18.5    |
| HSDPA  | Subtest 1    | 16.92 | 16.93 | 16.93 | 18      |
|  | Subtest 2    | 16.26 | 16.44 | 16.36 | 17      |
|  | Subtest 3    | 15.55 | 15.52 | 15.76 | 16.5    |
|  | Subtest 4    | 16.17 | 15.73 | 15.46 | 16.5    |
| HSUPA  | Subtest 1    | 16.27 | 16.2  | 16.07 | 16.5    |
|  | Subtest 2    | 13.38 | 12.94 | 13.05 | 13.5    |
|  | Subtest 3    | 14.37 | 14.07 | 14.2  | 15.5    |
|  | Subtest 4    | 13.68 | 13.69 | 13.68 | 14      |
|  | Subtest 5    | 16.21 | 16.06 | 16.03 | 16.5    |
| DC-HSDPA   | Subtest 1    | 16.8  | 16.81 | 16.92 | 18      |
|  | Subtest 2    | 16.5  | 16.3  | 16.19 | 17      |
|  | Subtest 3    | 15.44 | 15.38 | 15.55 | 16.5    |
|  | Subtest 4    | 16.27 | 15.72 | 15.42 | 16.5    |

| WCDMA Band II Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                 |              |       |       |       |         |
| Channel  |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA  | 12.2kbps RMC | 11.55 | 11.61 | 11.54 | 12.5    |
|  | 12.2kbps AMR | 11.52 | 11.57 | 11.49 | 12.5    |
| HSDPA  | Subtest 1    | 10.85 | 10.85 | 10.85 | 12      |
|  | Subtest 2    | 10.22 | 10.37 | 10.29 | 11      |
|  | Subtest 3    | 9.47  | 9.5   | 9.76  | 10.5    |
|  | Subtest 4    | 10.29 | 9.63  | 9.42  | 10.5    |
| HSUPA  | Subtest 1    | 10.26 | 10.14 | 10.01 | 10.5    |
|  | Subtest 2    | 7.3   | 6.87  | 7.05  | 7.5     |
|  | Subtest 3    | 8.28  | 8.04  | 8.12  | 9.5     |
|  | Subtest 4    | 7.64  | 7.67  | 7.6   | 8       |
|  | Subtest 5    | 10.13 | 9.99  | 9.98  | 10.5    |
| DC-HSDPA   | Subtest 1    | 10.76 | 10.79 | 10.91 | 12      |
|  | Subtest 2    | 10.46 | 10.25 | 10.11 | 11      |
|  | Subtest 3    | 9.38  | 9.33  | 9.48  | 10.5    |
|  | Subtest 4    | 10.15 | 9.69  | 9.42  | 10.5    |

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| WCDMA Band II Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                  |              |       |       |       |         |
| Channel   |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA   | 12.2kbps RMC | 10.53 | 10.55 | 10.58 | 11.5    |
|   | 12.2kbps AMR | 10.49 | 10.51 | 10.56 | 11.5    |
| HSDPA   | Subtest 1    | 9.86  | 9.85  | 9.86  | 11      |
|   | Subtest 2    | 9.27  | 9.39  | 9.31  | 10      |
|   | Subtest 3    | 8.56  | 8.54  | 8.81  | 9.5     |
|   | Subtest 4    | 9.24  | 8.65  | 8.51  | 9.5     |
| HSUPA   | Subtest 1    | 9.31  | 9.23  | 9.04  | 9.5     |
|   | Subtest 2    | 6.34  | 5.93  | 6.07  | 6.5     |
|   | Subtest 3    | 7.33  | 7.14  | 7.18  | 8.5     |
|   | Subtest 4    | 6.65  | 6.68  | 6.69  | 7       |
|   | Subtest 5    | 9.15  | 9.08  | 9.07  | 9.5     |
| DC-HSDPA  | Subtest 1    | 9.79  | 9.85  | 9.93  | 11      |
|   | Subtest 2    | 9.5   | 9.33  | 9.14  | 10      |
|   | Subtest 3    | 8.45  | 8.4   | 8.52  | 9.5     |
|   | Subtest 4    | 9.22  | 8.74  | 8.45  | 9.5     |

| WCDMA Band II Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                       |              |       |       |       |         |
| Channel  |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA  | 12.2kbps RMC | 15.62 | 15.55 | 15.47 | 16.5    |
|  | 12.2kbps AMR | 15.58 | 15.51 | 15.44 | 16.5    |
| HSDPA  | Subtest 1    | 14.82 | 14.82 | 14.86 | 16      |
|  | Subtest 2    | 14.19 | 14.31 | 14.3  | 15      |
|  | Subtest 3    | 13.54 | 13.51 | 13.72 | 14.5    |
|  | Subtest 4    | 14.23 | 13.59 | 13.43 | 14.5    |
| HSUPA  | Subtest 1    | 14.22 | 14.16 | 14.01 | 14.5    |
|  | Subtest 2    | 11.28 | 10.85 | 11    | 11.5    |
|  | Subtest 3    | 12.33 | 12.12 | 12.11 | 13.5    |
|  | Subtest 4    | 11.62 | 11.62 | 11.63 | 12      |
|  | Subtest 5    | 14.12 | 14.07 | 14    | 14.5    |
| DC-HSDPA   | Subtest 1    | 14.72 | 14.84 | 14.92 | 16      |
|  | Subtest 2    | 14.38 | 14.27 | 14.05 | 15      |
|  | Subtest 3    | 13.43 | 13.36 | 13.4  | 14.5    |
|  | Subtest 4    | 14.3  | 13.65 | 13.35 | 14.5    |

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| WCDMA Band II Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                      |              |       |       |       |         |
| Channel   |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA   | 12.2kbps RMC | 11.55 | 11.61 | 11.54 | 12.5    |
|   | 12.2kbps AMR | 11.52 | 11.57 | 11.49 | 12.5    |
| HSDPA   | Subtest 1    | 10.85 | 10.85 | 10.85 | 12      |
|   | Subtest 2    | 10.22 | 10.37 | 10.29 | 11      |
|   | Subtest 3    | 9.47  | 9.5   | 9.76  | 10.5    |
|   | Subtest 4    | 10.19 | 9.63  | 9.42  | 10.5    |
| HSUPA   | Subtest 1    | 10.26 | 10.14 | 10.01 | 10.5    |
|   | Subtest 2    | 7.3   | 6.87  | 7.05  | 7.5     |
|   | Subtest 3    | 8.28  | 8.04  | 8.12  | 9.5     |
|   | Subtest 4    | 7.64  | 7.67  | 7.6   | 8       |
|   | Subtest 5    | 10.13 | 9.99  | 9.98  | 10.5    |
| DC-HSDPA  | Subtest 1    | 10.76 | 10.79 | 10.91 | 12      |
|   | Subtest 2    | 10.46 | 10.25 | 10.11 | 11      |
|   | Subtest 3    | 9.38  | 9.33  | 9.48  | 10.5    |
|   | Subtest 4    | 10.15 | 9.69  | 9.42  | 10.5    |

| WCDMA Band II Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                       |              |       |       |       |         |
| Channel  |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA  | 12.2kbps RMC | 10.53 | 10.55 | 10.58 | 11.5    |
|  | 12.2kbps AMR | 10.49 | 10.51 | 10.56 | 11.5    |
| HSDPA  | Subtest 1    | 9.86  | 9.85  | 9.86  | 11      |
|  | Subtest 2    | 9.27  | 9.39  | 9.31  | 10      |
|  | Subtest 3    | 8.56  | 8.54  | 8.81  | 9.5     |
|  | Subtest 4    | 9.24  | 8.65  | 8.51  | 9.5     |
| HSUPA  | Subtest 1    | 9.31  | 9.23  | 9.04  | 9.5     |
|  | Subtest 2    | 6.34  | 5.93  | 6.07  | 6.5     |
|  | Subtest 3    | 7.33  | 7.14  | 7.18  | 8.5     |
|  | Subtest 4    | 6.65  | 6.68  | 6.69  | 7       |
|  | Subtest 5    | 9.15  | 9.08  | 9.07  | 9.5     |
| DC-HSDPA   | Subtest 1    | 9.79  | 9.85  | 9.93  | 11      |
|  | Subtest 2    | 9.5   | 9.33  | 9.14  | 10      |
|  | Subtest 3    | 8.45  | 8.4   | 8.52  | 9.5     |
|  | Subtest 4    | 9.12  | 8.74  | 8.45  | 9.5     |

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| WCDMA Band II Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)  |              |       |       |       |         |
| Channel   |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA   | 12.2kbps RMC | 15.62 | 15.55 | 15.47 | 16.5    |
|   | 12.2kbps AMR | 15.58 | 15.51 | 15.44 | 16.5    |
| HSDPA   | Subtest 1    | 14.82 | 14.82 | 14.86 | 16      |
|   | Subtest 2    | 14.19 | 14.31 | 14.3  | 15      |
|   | Subtest 3    | 13.54 | 13.51 | 13.72 | 14.5    |
|   | Subtest 4    | 14.23 | 13.59 | 13.43 | 14.5    |
| HSUPA   | Subtest 1    | 14.22 | 14.16 | 14.01 | 14.5    |
|   | Subtest 2    | 11.28 | 10.85 | 11    | 11.5    |
|   | Subtest 3    | 12.33 | 12.12 | 12.11 | 13.5    |
|   | Subtest 4    | 11.62 | 11.62 | 11.63 | 12      |
|   | Subtest 5    | 14.12 | 14.07 | 14    | 14.5    |
| DC-HSDPA  | Subtest 1    | 14.72 | 14.84 | 14.92 | 16      |
|   | Subtest 2    | 14.38 | 14.27 | 14.05 | 15      |
|   | Subtest 3    | 13.43 | 13.36 | 13.4  | 14.5    |
|   | Subtest 4    | 14.1  | 13.65 | 13.35 | 14.5    |

| WCDMA Band II Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2 |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                       |              |       |       |       |         |
| Channel  |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA  | 12.2kbps RMC | 13.56 | 13.57 | 13.51 | 14.5    |
|  | 12.2kbps AMR | 13.53 | 13.54 | 13.47 | 14.5    |
| HSDPA  | Subtest 1    | 12.96 | 12.99 | 12.89 | 14      |
|  | Subtest 2    | 12.17 | 12.4  | 12.32 | 13      |
|  | Subtest 3    | 11.54 | 11.5  | 11.74 | 12.5    |
|  | Subtest 4    | 12.19 | 11.72 | 11.52 | 12.5    |
| HSUPA  | Subtest 1    | 12.24 | 12.23 | 12.01 | 12.5    |
|  | Subtest 2    | 9.34  | 9.04  | 9     | 9.5     |
|  | Subtest 3    | 10.36 | 10.03 | 10.21 | 11.5    |
|  | Subtest 4    | 9.6   | 9.68  | 9.59  | 10      |
|  | Subtest 5    | 12.17 | 12.11 | 12.01 | 12.5    |
| DC-HSDPA   | Subtest 1    | 12.75 | 12.88 | 12.89 | 14      |
|  | Subtest 2    | 12.45 | 12.28 | 12.22 | 13      |
|  | Subtest 3    | 11.41 | 11.35 | 11.54 | 12.5    |
|  | Subtest 4    | 12.14 | 11.8  | 11.47 | 12.5    |

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| WCDMA Band II Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2 |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)  |              |       |       |       |         |
| Channel   |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA   | 12.2kbps RMC | 12.53 | 12.56 | 12.59 | 13.5    |
|   | 12.2kbps AMR | 12.49 | 12.53 | 12.55 | 13.5    |
| HSDPA   | Subtest 1    | 11.88 | 11.93 | 11.84 | 13      |
|   | Subtest 2    | 11.17 | 11.4  | 11.28 | 12      |
|   | Subtest 3    | 10.53 | 10.49 | 10.72 | 11.5    |
|   | Subtest 4    | 11.12 | 10.64 | 10.42 | 11.5    |
| HSUPA   | Subtest 1    | 11.17 | 11.12 | 10.98 | 11.5    |
|   | Subtest 2    | 8.28  | 7.93  | 7.95  | 8.5     |
|   | Subtest 3    | 9.33  | 9.02  | 9.13  | 10.5    |
|   | Subtest 4    | 8.58  | 8.62  | 8.58  | 9       |
|   | Subtest 5    | 11.16 | 11    | 10.99 | 11.5    |
| DC-HSDPA  | Subtest 1    | 11.7  | 11.8  | 11.83 | 13      |
|   | Subtest 2    | 11.4  | 11.23 | 11.15 | 12      |
|   | Subtest 3    | 10.37 | 10.28 | 10.51 | 11.5    |
|   | Subtest 4    | 11.14 | 10.7  | 10.36 | 11.5    |

| WCDMA Band II Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2 |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)   |              |       |       |       |         |
| Channel  |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA  | 12.2kbps RMC | 17.62 | 17.58 | 17.47 | 18.5    |
|  | 12.2kbps AMR | 17.58 | 17.54 | 17.43 | 18.5    |
| HSDPA  | Subtest 1    | 16.92 | 16.93 | 16.93 | 18      |
|  | Subtest 2    | 16.26 | 16.44 | 16.36 | 17      |
|  | Subtest 3    | 15.55 | 15.52 | 15.76 | 16.5    |
|  | Subtest 4    | 16.17 | 15.73 | 15.46 | 16.5    |
| HSUPA  | Subtest 1    | 16.27 | 16.2  | 16.07 | 16.5    |
|  | Subtest 2    | 13.38 | 12.94 | 13.05 | 13.5    |
|  | Subtest 3    | 14.37 | 14.07 | 14.2  | 15.5    |
|  | Subtest 4    | 13.68 | 13.69 | 13.68 | 14      |
|  | Subtest 5    | 16.21 | 16.06 | 16.03 | 16.5    |
| DC-HSDPA   | Subtest 1    | 16.8  | 16.81 | 16.92 | 18      |
|  | Subtest 2    | 16.5  | 16.3  | 16.19 | 17      |
|  | Subtest 3    | 15.44 | 15.38 | 15.55 | 16.5    |
|  | Subtest 4    | 16.17 | 15.72 | 15.42 | 16.5    |

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| WCDMA Band IV Receiver on(Left head) |              |       |              |       |         |
|--------------------------------------|--------------|-------|--------------|-------|---------|
| Average Conducted Power(dBm)         |              |       |              |       |         |
| Channel                              |              | 1312  | 1412         | 1513  | Tune up |
| WCDMA                                | 12.2kbps RMC | 18.61 | <b>18.59</b> | 18.58 | 19.5    |
|                                      | 12.2kbps AMR | 18.58 | 18.56        | 18.56 | 19.5    |
| HSDPA                                | Subtest 1    | 18.03 | 17.72        | 17.85 | 19      |
|                                      | Subtest 2    | 17.54 | 17.32        | 17.43 | 18      |
|                                      | Subtest 3    | 16.91 | 16.53        | 16.72 | 17.5    |
|                                      | Subtest 4    | 16.83 | 16.61        | 16.6  | 17.5    |
| HSUPA                                | Subtest 1    | 17.24 | 17.05        | 17.07 | 17.5    |
|                                      | Subtest 2    | 14.21 | 14.03        | 14.04 | 15      |
|                                      | Subtest 3    | 14.72 | 14.56        | 14.59 | 15.5    |
|                                      | Subtest 4    | 14.76 | 14.58        | 14.62 | 15.5    |
|                                      | Subtest 5    | 17.22 | 17.04        | 17.07 | 17.5    |
| DC-HSDPA                             | Subtest 1    | 18.02 | 17.66        | 17.79 | 19      |
|                                      | Subtest 2    | 17.51 | 17.22        | 17.33 | 18      |
|                                      | Subtest 3    | 16.82 | 16.45        | 16.65 | 17.5    |
|                                      | Subtest 4    | 16.75 | 16.58        | 16.51 | 17.5    |

| WCDMA Band IV Receiver on(Right head) |              |              |              |              |         |
|---------------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm)          |              |              |              |              |         |
| Channel                               |              | 1312         | 1412         | 1513         | Tune up |
| WCDMA                                 | 12.2kbps RMC | <b>17.13</b> | <b>17.13</b> | <b>17.14</b> | 18      |
|                                       | 12.2kbps AMR | 17.11        | 17.12        | 17.12        | 18      |
| HSDPA                                 | Subtest 1    | 15.54        | 15.34        | 15.35        | 17.5    |
|                                       | Subtest 2    | 16.13        | 15.87        | 15.91        | 16.5    |
|                                       | Subtest 3    | 15.27        | 15.88        | 15.12        | 16      |
|                                       | Subtest 4    | 15.13        | 15.95        | 14.96        | 16      |
| HSUPA                                 | Subtest 1    | 15.71        | 15.54        | 15.56        | 16      |
|                                       | Subtest 2    | 12.69        | 12.52        | 12.58        | 13.5    |
|                                       | Subtest 3    | 13.21        | 13.13        | 13.05        | 14      |
|                                       | Subtest 4    | 13.24        | 13.16        | 13.09        | 14      |
|                                       | Subtest 5    | 15.69        | 15.56        | 15.57        | 16      |
| DC-HSDPA                              | Subtest 1    | 15.46        | 15.28        | 15.34        | 17.5    |
|                                       | Subtest 2    | 16.05        | 15.84        | 15.86        | 16.5    |
|                                       | Subtest 3    | 15.18        | 15.85        | 15.09        | 16      |
|                                       | Subtest 4    | 15.11        | 15.95        | 14.88        | 16      |

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| WCDMA Band IV Receiver off (body or limbs) |              |              |              |              |         |
|--|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm)               |              |              |              |              |         |
| Channel                                    |              | 1312         | 1412         | 1513         | Tune up |
| WCDMA                                      | 12.2kbps RMC | <b>20.69</b> | <b>20.62</b> | <b>20.65</b> | 21.5    |
|  | 12.2kbps AMR | 20.66        | 20.58        | 20.62        | 21.5    |
| HSDPA                                      | Subtest 1    | 20.15        | 19.95        | 19.94        | 21      |
|  | Subtest 2    | 19.69        | 19.45        | 19.47        | 20      |
|  | Subtest 3    | 19.05        | 18.84        | 18.84        | 19.5    |
|  | Subtest 4    | 18.93        | 18.67        | 18.81        | 19.5    |
| HSUPA                                      | Subtest 1    | 19.24        | 19.1         | 19.09        | 19.5    |
|  | Subtest 2    | 16.23        | 16.08        | 16.09        | 17      |
|  | Subtest 3    | 16.72        | 16.49        | 16.58        | 17.5    |
|  | Subtest 4    | 16.71        | 16.5         | 16.54        | 17.5    |
|  | Subtest 5    | 19.22        | 19.07        | 19.1         | 19.5    |
| DC-HSDPA                                   | Subtest 1    | 20.11        | 19.92        | 19.88        | 21      |
|  | Subtest 2    | 19.64        | 19.41        | 19.46        | 20      |
|  | Subtest 3    | 19.02        | 18.83        | 18.75        | 19.5    |
|  | Subtest 4    | 18.84        | 18.56        | 18.77        | 19.5    |

| WCDMA Band IV Receiver off (body or limbs) + hotspot 2.4G |              |              |              |              |         |
|---|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm)                              |              |              |              |              |         |
| Channel   |              | 1312         | 1412         | 1513         | Tune up |
| WCDMA   | 12.2kbps RMC | <b>17.76</b> | <b>17.73</b> | <b>17.57</b> | 18.5    |
|   | 12.2kbps AMR | 17.69        | 17.6         | 17.61        | 18.5    |
| HSDPA   | Subtest 1    | 17.14        | 16.89        | 16.91        | 18      |
|   | Subtest 2    | 16.59        | 16.37        | 16.46        | 17      |
|   | Subtest 3    | 16.01        | 15.72        | 15.82        | 16.5    |
|   | Subtest 4    | 15.85        | 15.64        | 15.73        | 16.5    |
| HSUPA   | Subtest 1    | 16.13        | 16.01        | 16.05        | 16.5    |
|   | Subtest 2    | 13.21        | 13.01        | 13.02        | 14      |
|   | Subtest 3    | 13.67        | 13.44        | 13.5         | 14.5    |
|   | Subtest 4    | 13.62        | 13.42        | 13.49        | 14.5    |
|   | Subtest 5    | 16.14        | 15.99        | 16.05        | 16.5    |
| DC-HSDPA  | Subtest 1    | 17.03        | 16.81        | 16.81        | 18      |
|   | Subtest 2    | 16.6         | 16.33        | 16.4         | 17      |
|   | Subtest 3    | 16.01        | 15.77        | 15.73        | 16.5    |
|   | Subtest 4    | 15.15        | 15.54        | 15.68        | 16.5    |

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| WCDMA Band IV Receiver off (body or limbs) + hotspot 5G |              |              |              |              |         |
|---|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm)                            |              |              |              |              |         |
| Channel   |              | 1312         | 1412         | 1513         | Tune up |
| WCDMA   | 12.2kbps RMC | <b>15.74</b> | <b>15.74</b> | <b>15.74</b> | 16.5    |
|   | 12.2kbps AMR | 15.66        | 15.61        | 15.64        | 16.5    |
| HSDPA   | Subtest 1    | 15.11        | 14.87        | 14.82        | 16      |
|   | Subtest 2    | 14.57        | 14.34        | 14.37        | 15      |
|   | Subtest 3    | 13.94        | 13.68        | 13.78        | 14.5    |
|   | Subtest 4    | 13.76        | 13.61        | 13.67        | 14.5    |
| HSUPA   | Subtest 1    | 14.11        | 13.94        | 14.05        | 14.5    |
|   | Subtest 2    | 11.2         | 10.99        | 10.97        | 12      |
|   | Subtest 3    | 11.63        | 11.4         | 11.5         | 12.5    |
|   | Subtest 4    | 11.57        | 11.37        | 11.43        | 12.5    |
|   | Subtest 5    | 14.12        | 13.96        | 14.05        | 14.5    |
| DC-HSDPA  | Subtest 1    | 14.98        | 14.79        | 14.78        | 16      |
|   | Subtest 2    | 14.54        | 14.29        | 14.31        | 15      |
|   | Subtest 3    | 13.92        | 13.67        | 13.67        | 14.5    |
|   | Subtest 4    | 13.7         | 13.52        | 13.61        | 14.5    |

| WCDMA Band IV Receiver on(Left head) + hotspot 2.4G |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                        |              |       |       |       |         |
| Channel   |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA   | 12.2kbps RMC | 15.67 | 15.5  | 15.52 | 16.5    |
|   | 12.2kbps AMR | 15.64 | 15.47 | 15.48 | 16.5    |
| HSDPA   | Subtest 1    | 15.02 | 14.85 | 14.75 | 16      |
|   | Subtest 2    | 14.48 | 14.25 | 14.35 | 15      |
|   | Subtest 3    | 13.9  | 13.64 | 13.77 | 14.5    |
|   | Subtest 4    | 13.68 | 13.57 | 13.58 | 14.5    |
| HSUPA   | Subtest 1    | 14.06 | 13.91 | 14.04 | 14.5    |
|   | Subtest 2    | 11.19 | 10.89 | 10.89 | 12      |
|   | Subtest 3    | 11.6  | 11.38 | 11.47 | 12.5    |
|   | Subtest 4    | 11.52 | 11.28 | 11.4  | 12.5    |
|   | Subtest 5    | 14.11 | 13.91 | 14.01 | 14.5    |
| DC-HSDPA  | Subtest 1    | 14.93 | 14.7  | 14.75 | 16      |
|   | Subtest 2    | 14.53 | 14.26 | 14.26 | 15      |
|   | Subtest 3    | 13.89 | 13.66 | 13.66 | 14.5    |
|   | Subtest 4    | 13.69 | 13.47 | 13.57 | 14.5    |

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| WCDMA Band IV Receiver on(Right head) + hotspot 2.4G |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                         |              |       |       |       |         |
| Channel  |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA  | 12.2kbps RMC | 14.12 | 14.03 | 14.07 | 15      |
|  | 12.2kbps AMR | 14.09 | 13.99 | 14.04 | 15      |
| HSDPA  | Subtest 1    | 13.43 | 13.31 | 13.18 | 14.5    |
|  | Subtest 2    | 12.95 | 12.72 | 12.84 | 13.5    |
|  | Subtest 3    | 12.33 | 12.08 | 12.24 | 13      |
|  | Subtest 4    | 12.14 | 11.97 | 12.06 | 13      |
| HSUPA  | Subtest 1    | 12.5  | 12.32 | 12.53 | 13      |
|  | Subtest 2    | 9.68  | 9.3   | 9.3   | 10.5    |
|  | Subtest 3    | 10.09 | 9.86  | 9.92  | 11      |
|  | Subtest 4    | 10    | 9.77  | 9.85  | 11      |
|  | Subtest 5    | 12.56 | 12.33 | 12.44 | 13      |
| DC-HSDPA   | Subtest 1    | 13.37 | 13.16 | 13.21 | 14.5    |
|  | Subtest 2    | 12.94 | 12.74 | 12.7  | 13.5    |
|  | Subtest 3    | 12.29 | 12.06 | 12.1  | 13      |
|  | Subtest 4    | 12.09 | 11.87 | 12.02 | 13      |

| WCDMA Band IV Receiver on(Left head) + hotspot 5G |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                      |              |       |       |       |         |
| Channel   |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA   | 12.2kbps RMC | 13.63 | 13.58 | 13.57 | 14.5    |
|   | 12.2kbps AMR | 13.61 | 13.55 | 13.54 | 14.5    |
| HSDPA   | Subtest 1    | 12.97 | 12.82 | 12.7  | 14      |
|   | Subtest 2    | 12.56 | 12.23 | 12.39 | 13      |
|   | Subtest 3    | 11.89 | 11.69 | 11.79 | 12.5    |
|   | Subtest 4    | 11.73 | 11.55 | 11.66 | 12.5    |
| HSUPA   | Subtest 1    | 12.02 | 11.86 | 12.1  | 12.5    |
|   | Subtest 2    | 9.23  | 8.84  | 8.81  | 10      |
|   | Subtest 3    | 9.66  | 9.46  | 9.44  | 10.5    |
|   | Subtest 4    | 9.57  | 9.34  | 9.38  | 10.5    |
|   | Subtest 5    | 12.16 | 11.92 | 11.98 | 12.5    |
| DC-HSDPA  | Subtest 1    | 12.98 | 12.76 | 12.73 | 14      |
|   | Subtest 2    | 12.49 | 12.31 | 12.29 | 13      |
|   | Subtest 3    | 11.89 | 11.67 | 11.69 | 12.5    |
|   | Subtest 4    | 11.69 | 11.46 | 11.57 | 12.5    |

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| WCDMA Band IV Receiver on(Right head) + hotspot 5G |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                       |              |       |       |       |         |
| Channel  |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA  | 12.2kbps RMC | 12.05 | 11.98 | 12    | 13      |
|  | 12.2kbps AMR | 12.02 | 11.95 | 11.96 | 13      |
| HSDPA  | Subtest 1    | 11.51 | 11.35 | 11.27 | 12.5    |
|  | Subtest 2    | 11.11 | 10.74 | 10.98 | 11.5    |
|  | Subtest 3    | 10.49 | 10.25 | 10.3  | 11      |
|  | Subtest 4    | 10.29 | 10.14 | 10.18 | 11      |
| HSUPA  | Subtest 1    | 10.54 | 10.43 | 10.67 | 11      |
|  | Subtest 2    | 7.78  | 7.35  | 7.34  | 8.5     |
|  | Subtest 3    | 8.24  | 8.05  | 7.99  | 9       |
|  | Subtest 4    | 8.13  | 7.93  | 7.91  | 9       |
|  | Subtest 5    | 10.69 | 10.5  | 10.5  | 11      |
| DC-HSDPA   | Subtest 1    | 11.53 | 11.33 | 11.26 | 12.5    |
|  | Subtest 2    | 11.06 | 10.88 | 10.82 | 11.5    |
|  | Subtest 3    | 10.41 | 10.19 | 10.24 | 11      |
|  | Subtest 4    | 10.24 | 9.97  | 10.11 | 11      |

| WCDMA Band IV Receiver on(Left head) + BT |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)              |              |       |       |       |         |
| Channel                                   |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA                                     | 12.2kbps RMC | 16.61 | 16.66 | 16.51 | 17.5    |
|   | 12.2kbps AMR | 16.58 | 16.64 | 16.47 | 17.5    |
| HSDPA                                     | Subtest 1    | 15.97 | 15.78 | 15.74 | 17      |
|   | Subtest 2    | 15.56 | 15.23 | 15.46 | 16      |
|   | Subtest 3    | 14.95 | 14.7  | 14.77 | 15.5    |
|   | Subtest 4    | 14.73 | 14.62 | 14.66 | 15.5    |
| HSUPA                                     | Subtest 1    | 14.94 | 14.9  | 15.12 | 15.5    |
|   | Subtest 2    | 12.25 | 11.82 | 11.8  | 13      |
|   | Subtest 3    | 12.64 | 12.53 | 12.48 | 13.5    |
|   | Subtest 4    | 12.54 | 12.42 | 12.38 | 13.5    |
|   | Subtest 5    | 15.15 | 15    | 14.94 | 15.5    |
| DC-HSDPA                                  | Subtest 1    | 16.02 | 15.75 | 15.7  | 17      |
|   | Subtest 2    | 15.47 | 15.37 | 15.31 | 16      |
|   | Subtest 3    | 14.86 | 14.65 | 14.71 | 15.5    |
|   | Subtest 4    | 14.69 | 14.37 | 14.54 | 15.5    |

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| WCDMA Band IV Receiver on(Right head) + BT |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)               |              |       |       |       |         |
| Channel                                    |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA                                      | 12.2kbps RMC | 15.13 | 14.98 | 15.02 | 16      |
|  | 12.2kbps AMR | 15.11 | 14.96 | 14.98 | 16      |
| HSDPA                                      | Subtest 1    | 14.51 | 14.38 | 14.29 | 15.5    |
|  | Subtest 2    | 14.06 | 13.74 | 13.99 | 14.5    |
|  | Subtest 3    | 13.45 | 13.28 | 13.33 | 14      |
|  | Subtest 4    | 13.31 | 13.15 | 13.18 | 14      |
| HSUPA                                      | Subtest 1    | 13.44 | 13.4  | 13.69 | 14      |
|  | Subtest 2    | 10.76 | 10.35 | 10.34 | 11.5    |
|  | Subtest 3    | 11.14 | 11.03 | 11.05 | 12      |
|  | Subtest 4    | 11.1  | 10.95 | 10.96 | 12      |
|  | Subtest 5    | 13.71 | 13.58 | 13.45 | 14      |
| DC-HSDPA                                   | Subtest 1    | 14.57 | 14.29 | 14.25 | 15.5    |
|  | Subtest 2    | 13.98 | 13.94 | 13.82 | 14.5    |
|  | Subtest 3    | 13.4  | 13.19 | 13.27 | 14      |
|  | Subtest 4    | 13.27 | 12.89 | 13.11 | 14      |

| WCDMA Band IV Receiver off (body or limbs) + BT |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                    |              |       |       |       |         |
| Channel   |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA   | 12.2kbps RMC | 18.62 | 18.56 | 18.59 | 19.5    |
|   | 12.2kbps AMR | 18.59 | 18.53 | 18.56 | 19.5    |
| HSDPA   | Subtest 1    | 17.94 | 17.84 | 17.7  | 19      |
|   | Subtest 2    | 17.53 | 17.14 | 17.41 | 18      |
|   | Subtest 3    | 16.85 | 16.71 | 16.77 | 17.5    |
|   | Subtest 4    | 16.75 | 16.59 | 16.58 | 17.5    |
| HSUPA   | Subtest 1    | 16.89 | 16.89 | 17.17 | 17.5    |
|   | Subtest 2    | 14.24 | 13.76 | 13.75 | 15      |
|   | Subtest 3    | 14.55 | 14.45 | 14.44 | 15.5    |
|   | Subtest 4    | 14.56 | 14.42 | 14.42 | 15.5    |
|   | Subtest 5    | 17.17 | 17.03 | 16.87 | 17.5    |
| DC-HSDPA  | Subtest 1    | 18.06 | 17.7  | 17.67 | 19      |
|   | Subtest 2    | 17.41 | 17.37 | 17.26 | 18      |
|   | Subtest 3    | 16.8  | 16.58 | 16.67 | 17.5    |
|   | Subtest 4    | 16.69 | 16.28 | 16.55 | 17.5    |

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| WCDMA Band IV Receiver on(Left head) + WiFi2.4G Ant1 |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                         |              |       |       |       |         |
| Channel  |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA  | 12.2kbps RMC | 15.61 | 15.52 | 15.57 | 16.5    |
|  | 12.2kbps AMR | 15.58 | 15.49 | 15.55 | 16.5    |
| HSDPA  | Subtest 1    | 15.01 | 14.87 | 14.84 | 16      |
|  | Subtest 2    | 14.54 | 14.26 | 14.43 | 15      |
|  | Subtest 3    | 13.87 | 13.77 | 13.82 | 14.5    |
|  | Subtest 4    | 13.77 | 13.7  | 13.64 | 14.5    |
| HSUPA  | Subtest 1    | 13.92 | 13.89 | 14.24 | 14.5    |
|  | Subtest 2    | 11.33 | 10.81 | 10.83 | 12      |
|  | Subtest 3    | 11.56 | 11.57 | 11.54 | 12.5    |
|  | Subtest 4    | 11.7  | 11.53 | 11.54 | 12.5    |
|  | Subtest 5    | 14.26 | 14.1  | 13.91 | 14.5    |
| DC-HSDPA   | Subtest 1    | 15.19 | 14.8  | 14.69 | 16      |
|  | Subtest 2    | 14.51 | 14.42 | 14.34 | 15      |
|  | Subtest 3    | 13.8  | 13.59 | 13.69 | 14.5    |
|  | Subtest 4    | 13.8  | 13.42 | 13.62 | 14.5    |

| WCDMA Band IV Receiver on(Right head) + WiFi2.4G Ant1 |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                          |              |       |       |       |         |
| Channel   |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA   | 12.2kbps RMC | 14.08 | 14.05 | 14    | 15      |
|   | 12.2kbps AMR | 14.06 | 14.02 | 13.97 | 15      |
| HSDPA   | Subtest 1    | 13.56 | 13.43 | 13.35 | 14.5    |
|   | Subtest 2    | 13.06 | 12.81 | 12.96 | 13.5    |
|   | Subtest 3    | 12.45 | 12.38 | 12.43 | 13      |
|   | Subtest 4    | 12.35 | 12.2  | 12.16 | 13      |
| HSUPA   | Subtest 1    | 12.51 | 12.49 | 12.74 | 13      |
|   | Subtest 2    | 9.88  | 9.38  | 9.33  | 10.5    |
|   | Subtest 3    | 10.09 | 10.11 | 10.09 | 11      |
|   | Subtest 4    | 10.24 | 10.08 | 10.05 | 11      |
|   | Subtest 5    | 12.82 | 12.71 | 12.43 | 13      |
| DC-HSDPA  | Subtest 1    | 13.77 | 13.33 | 13.27 | 14.5    |
|   | Subtest 2    | 13.08 | 12.92 | 12.88 | 13.5    |
|   | Subtest 3    | 12.4  | 12.18 | 12.21 | 13      |
|   | Subtest 4    | 12.39 | 11.94 | 12.22 | 13      |

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| WCDMA Band IV Receiver off (body or limbs) + WiFi2.4G Ant1 |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                               |              |       |       |       |         |
| Channel  |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA  | 12.2kbps RMC | 17.66 | 17.56 | 17.57 | 18.5    |
|  | 12.2kbps AMR | 17.64 | 17.53 | 17.54 | 18.5    |
| HSDPA  | Subtest 1    | 17.14 | 17.02 | 16.89 | 18      |
|  | Subtest 2    | 16.62 | 16.37 | 16.47 | 17      |
|  | Subtest 3    | 15.97 | 15.96 | 16.01 | 16.5    |
|  | Subtest 4    | 15.86 | 15.75 | 15.67 | 16.5    |
| HSUPA  | Subtest 1    | 16.07 | 16.08 | 16.27 | 16.5    |
|  | Subtest 2    | 13.4  | 12.93 | 12.92 | 14      |
|  | Subtest 3    | 13.67 | 13.68 | 13.6  | 14.5    |
|  | Subtest 4    | 13.8  | 13.67 | 13.55 | 14.5    |
|  | Subtest 5    | 16.41 | 16.3  | 15.99 | 16.5    |
| DC-HSDPA   | Subtest 1    | 17.29 | 16.87 | 16.81 | 18      |
|  | Subtest 2    | 16.63 | 16.5  | 16.47 | 17      |
|  | Subtest 3    | 15.96 | 15.75 | 15.73 | 16.5    |
|  | Subtest 4    | 15.9  | 15.52 | 15.82 | 16.5    |

| WCDMA Band IV Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                 |              |       |       |       |         |
| Channel  |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA  | 12.2kbps RMC | 13.63 | 13.62 | 13.54 | 14.5    |
|  | 12.2kbps AMR | 13.61 | 13.59 | 13.52 | 14.5    |
| HSDPA  | Subtest 1    | 13.14 | 13.09 | 12.93 | 14      |
|  | Subtest 2    | 12.73 | 12.45 | 12.56 | 13      |
|  | Subtest 3    | 12.02 | 12.03 | 12.06 | 12.5    |
|  | Subtest 4    | 11.96 | 11.76 | 11.75 | 12.5    |
| HSUPA  | Subtest 1    | 12.1  | 12.15 | 12.39 | 12.5    |
|  | Subtest 2    | 9.49  | 9.04  | 8.99  | 10      |
|  | Subtest 3    | 9.74  | 9.73  | 9.6   | 10.5    |
|  | Subtest 4    | 9.88  | 9.76  | 9.65  | 10.5    |
|  | Subtest 5    | 12.5  | 12.33 | 12.1  | 12.5    |
| DC-HSDPA   | Subtest 1    | 13.37 | 12.87 | 12.81 | 14      |
|  | Subtest 2    | 12.66 | 12.57 | 12.48 | 13      |
|  | Subtest 3    | 11.98 | 11.83 | 11.85 | 12.5    |
|  | Subtest 4    | 11.95 | 11.55 | 11.83 | 12.5    |

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| WCDMA Band IV Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                  |              |       |       |       |         |
| Channel   |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA   | 12.2kbps RMC | 12.07 | 12.01 | 12.02 | 13      |
|   | 12.2kbps AMR | 12.04 | 11.98 | 11.98 | 13      |
| HSDPA   | Subtest 1    | 11.55 | 11.54 | 11.32 | 12.5    |
|   | Subtest 2    | 11.15 | 10.89 | 11.02 | 11.5    |
|   | Subtest 3    | 10.51 | 10.47 | 10.55 | 11      |
|   | Subtest 4    | 10.37 | 10.16 | 10.25 | 11      |
| HSUPA   | Subtest 1    | 10.59 | 10.62 | 10.85 | 11      |
|   | Subtest 2    | 7.91  | 7.52  | 7.39  | 8.5     |
|   | Subtest 3    | 8.23  | 8.13  | 7.98  | 9       |
|   | Subtest 4    | 8.28  | 8.25  | 8.03  | 9       |
|   | Subtest 5    | 10.88 | 10.82 | 10.55 | 11      |
| DC-HSDPA  | Subtest 1    | 11.78 | 11.32 | 11.31 | 12.5    |
|   | Subtest 2    | 11.14 | 11.06 | 10.9  | 11.5    |
|   | Subtest 3    | 10.42 | 10.26 | 10.23 | 11      |
|   | Subtest 4    | 10.44 | 10.01 | 10.24 | 11      |

| WCDMA Band IV Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                       |              |       |       |       |         |
| Channel  |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA  | 12.2kbps RMC | 15.58 | 15.53 | 15.52 | 16.5    |
|  | 12.2kbps AMR | 15.54 | 15.49 | 15.48 | 16.5    |
| HSDPA  | Subtest 1    | 15.17 | 15.04 | 14.9  | 16      |
|  | Subtest 2    | 14.79 | 14.47 | 14.45 | 15      |
|  | Subtest 3    | 13.91 | 13.98 | 14.03 | 14.5    |
|  | Subtest 4    | 13.95 | 13.74 | 13.75 | 14.5    |
| HSUPA  | Subtest 1    | 14.01 | 14.13 | 14.48 | 14.5    |
|  | Subtest 2    | 11.43 | 11.09 | 11    | 12      |
|  | Subtest 3    | 11.68 | 11.69 | 11.63 | 12.5    |
|  | Subtest 4    | 11.81 | 11.8  | 11.68 | 12.5    |
|  | Subtest 5    | 14.5  | 14.36 | 14.04 | 14.5    |
| DC-HSDPA   | Subtest 1    | 15.42 | 14.9  | 14.77 | 16      |
|  | Subtest 2    | 14.64 | 14.63 | 14.48 | 15      |
|  | Subtest 3    | 13.98 | 13.73 | 13.79 | 14.5    |
|  | Subtest 4    | 14.01 | 13.46 | 13.91 | 14.5    |

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| WCDMA Band IV Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                      |              |       |       |       |         |
| Channel   |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA   | 12.2kbps RMC | 13.63 | 13.62 | 13.54 | 14.5    |
|   | 12.2kbps AMR | 13.61 | 13.59 | 13.52 | 14.5    |
| HSDPA   | Subtest 1    | 13.14 | 13.09 | 12.93 | 14      |
|   | Subtest 2    | 12.73 | 12.45 | 12.56 | 13      |
|   | Subtest 3    | 12.02 | 12.03 | 12.06 | 12.5    |
|   | Subtest 4    | 11.96 | 11.76 | 11.75 | 12.5    |
| HSUPA   | Subtest 1    | 12.1  | 12.15 | 12.39 | 12.5    |
|   | Subtest 2    | 9.49  | 9.04  | 8.99  | 10      |
|   | Subtest 3    | 9.74  | 9.73  | 9.6   | 10.5    |
|   | Subtest 4    | 9.88  | 9.76  | 9.65  | 10.5    |
|   | Subtest 5    | 12.15 | 12.33 | 12.1  | 12.5    |
| DC-HSDPA  | Subtest 1    | 13.37 | 12.87 | 12.81 | 14      |
|   | Subtest 2    | 12.66 | 12.57 | 12.48 | 13      |
|   | Subtest 3    | 11.98 | 11.83 | 11.85 | 12.5    |
|   | Subtest 4    | 11.95 | 11.55 | 11.83 | 12.5    |

| WCDMA Band IV Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                       |              |       |       |       |         |
| Channel  |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA  | 12.2kbps RMC | 12.07 | 12.01 | 12.02 | 13      |
|  | 12.2kbps AMR | 12.04 | 11.98 | 11.98 | 13      |
| HSDPA  | Subtest 1    | 11.55 | 11.54 | 11.32 | 12.5    |
|  | Subtest 2    | 11.15 | 10.89 | 11.02 | 11.5    |
|  | Subtest 3    | 10.51 | 10.47 | 10.55 | 11      |
|  | Subtest 4    | 10.37 | 10.16 | 10.25 | 11      |
| HSUPA  | Subtest 1    | 10.59 | 10.62 | 10.85 | 11      |
|  | Subtest 2    | 7.91  | 7.52  | 7.39  | 8.5     |
|  | Subtest 3    | 8.23  | 8.13  | 7.98  | 9       |
|  | Subtest 4    | 8.28  | 8.25  | 8.03  | 9       |
|  | Subtest 5    | 10.88 | 10.82 | 10.55 | 11      |
| DC-HSDPA   | Subtest 1    | 11.78 | 11.32 | 11.31 | 12.5    |
|  | Subtest 2    | 11.14 | 11.06 | 10.9  | 11.5    |
|  | Subtest 3    | 10.42 | 10.26 | 10.23 | 11      |
|  | Subtest 4    | 10.44 | 10.01 | 10.24 | 11      |

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| WCDMA Band IV Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)  |              |       |       |       |         |
| Channel   |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA   | 12.2kbps RMC | 15.58 | 15.53 | 15.52 | 16.5    |
|   | 12.2kbps AMR | 15.54 | 15.49 | 15.48 | 16.5    |
| HSDPA   | Subtest 1    | 15.17 | 15.04 | 14.9  | 16      |
|   | Subtest 2    | 14.79 | 14.47 | 14.45 | 15      |
|   | Subtest 3    | 13.91 | 13.98 | 14.03 | 14.5    |
|   | Subtest 4    | 13.95 | 13.74 | 13.75 | 14.5    |
| HSUPA   | Subtest 1    | 14.01 | 14.13 | 14.48 | 14.5    |
|   | Subtest 2    | 11.43 | 11.09 | 11    | 12      |
|   | Subtest 3    | 11.68 | 11.69 | 11.63 | 12.5    |
|   | Subtest 4    | 11.81 | 11.8  | 11.68 | 12.5    |
|   | Subtest 5    | 14.5  | 14.36 | 14.04 | 14.5    |
| DC-HSDPA  | Subtest 1    | 15.42 | 14.9  | 14.77 | 16      |
|   | Subtest 2    | 14.64 | 14.63 | 14.48 | 15      |
|   | Subtest 3    | 13.98 | 13.73 | 13.79 | 14.5    |
|   | Subtest 4    | 14.01 | 13.46 | 13.91 | 14.5    |

| WCDMA Band IV Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2 |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                       |              |       |       |       |         |
| Channel  |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA  | 12.2kbps RMC | 15.61 | 15.52 | 15.57 | 16.5    |
|  | 12.2kbps AMR | 15.58 | 15.49 | 15.55 | 16.5    |
| HSDPA  | Subtest 1    | 15.01 | 14.87 | 14.84 | 16      |
|  | Subtest 2    | 14.54 | 14.26 | 14.43 | 15      |
|  | Subtest 3    | 13.87 | 13.77 | 13.82 | 14.5    |
|  | Subtest 4    | 13.77 | 13.7  | 13.64 | 14.5    |
| HSUPA  | Subtest 1    | 13.92 | 13.89 | 14.24 | 14.5    |
|  | Subtest 2    | 11.33 | 10.81 | 10.83 | 12      |
|  | Subtest 3    | 11.56 | 11.57 | 11.54 | 12.5    |
|  | Subtest 4    | 11.7  | 11.53 | 11.54 | 12.5    |
|  | Subtest 5    | 14.26 | 14.1  | 13.91 | 14.5    |
| DC-HSDPA   | Subtest 1    | 15.19 | 14.8  | 14.69 | 16      |
|  | Subtest 2    | 14.51 | 14.42 | 14.34 | 15      |
|  | Subtest 3    | 13.8  | 13.59 | 13.69 | 14.5    |
|  | Subtest 4    | 13.8  | 13.42 | 13.62 | 14.5    |

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| WCDMA Band IV Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2 |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)  |              |       |       |       |         |
| Channel   |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA   | 12.2kbps RMC | 14.08 | 14.05 | 14    | 15      |
|   | 12.2kbps AMR | 14.06 | 14.02 | 13.97 | 15      |
| HSDPA   | Subtest 1    | 13.56 | 13.43 | 13.35 | 14.5    |
|   | Subtest 2    | 13.06 | 12.81 | 12.96 | 13.5    |
|   | Subtest 3    | 12.45 | 12.38 | 12.43 | 13      |
|   | Subtest 4    | 12.35 | 12.2  | 12.16 | 13      |
| HSUPA   | Subtest 1    | 12.51 | 12.49 | 12.74 | 13      |
|   | Subtest 2    | 9.88  | 9.38  | 9.33  | 10.5    |
|   | Subtest 3    | 10.09 | 10.11 | 10.09 | 11      |
|   | Subtest 4    | 10.24 | 10.08 | 10.05 | 11      |
|   | Subtest 5    | 12.82 | 12.71 | 12.43 | 13      |
| DC-HSDPA  | Subtest 1    | 13.77 | 13.33 | 13.27 | 14.5    |
|   | Subtest 2    | 13.08 | 12.92 | 12.88 | 13.5    |
|   | Subtest 3    | 12.4  | 12.18 | 12.21 | 13      |
|   | Subtest 4    | 12.39 | 11.94 | 12.22 | 13      |

| WCDMA Band IV Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2 |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)   |              |       |       |       |         |
| Channel  |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA  | 12.2kbps RMC | 17.66 | 17.56 | 17.57 | 18.5    |
|  | 12.2kbps AMR | 17.64 | 17.53 | 17.54 | 18.5    |
| HSDPA  | Subtest 1    | 17.14 | 17.02 | 16.89 | 18      |
|  | Subtest 2    | 16.62 | 16.37 | 16.47 | 17      |
|  | Subtest 3    | 15.97 | 15.96 | 16.01 | 16.5    |
|  | Subtest 4    | 15.86 | 15.75 | 15.67 | 16.5    |
| HSUPA  | Subtest 1    | 16.07 | 16.08 | 16.27 | 16.5    |
|  | Subtest 2    | 13.4  | 12.93 | 12.92 | 14      |
|  | Subtest 3    | 13.67 | 13.68 | 13.6  | 14.5    |
|  | Subtest 4    | 13.8  | 13.67 | 13.55 | 14.5    |
|  | Subtest 5    | 16.41 | 16.3  | 15.99 | 16.5    |
| DC-HSDPA   | Subtest 1    | 17.29 | 16.87 | 16.81 | 18      |
|  | Subtest 2    | 16.63 | 16.5  | 16.47 | 17      |
|  | Subtest 3    | 15.96 | 15.75 | 15.73 | 16.5    |
|  | Subtest 4    | 15.9  | 15.52 | 15.82 | 16.5    |

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| WCDMA Band V Receiver on(Left head) |              |              |              |              |         |
|-------------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm)        |              |              |              |              |         |
| Channel                             |              | 4132         | 4182         | 4233         | Tune up |
| WCDMA                               | 12.2kbps RMC | <b>19.42</b> | <b>19.38</b> | <b>19.35</b> | 20.5    |
|                                     | 12.2kbps AMR | 19.39        | 19.36        | 19.32        | 20.5    |
| HSDPA                               | Subtest 1    | 18.78        | 18.85        | 18.77        | 20.5    |
|                                     | Subtest 2    | 18.31        | 18.35        | 18.29        | 20      |
|                                     | Subtest 3    | 17.73        | 17.82        | 17.84        | 19.5    |
|                                     | Subtest 4    | 17.69        | 17.76        | 17.78        | 19.5    |
| HSUPA                               | Subtest 1    | 18.53        | 18.51        | 18.45        | 20      |
|                                     | Subtest 2    | 16.16        | 16.09        | 16.15        | 17.5    |
|                                     | Subtest 3    | 16.68        | 16.61        | 16.67        | 18      |
|                                     | Subtest 4    | 16.02        | 16.13        | 16.12        | 17      |
|                                     | Subtest 5    | 17.06        | 17.02        | 17.14        | 18.5    |
| DC-HSDPA                            | Subtest 1    | 18.75        | 18.79        | 18.68        | 20.5    |
|                                     | Subtest 2    | 18.27        | 18.23        | 18.17        | 20      |
|                                     | Subtest 3    | 17.62        | 17.72        | 17.83        | 19.5    |
|                                     | Subtest 4    | 17.68        | 17.76        | 17.81        | 19.5    |

| WCDMA Band V Receiver on(Right head) |              |       |             |       |         |
|--------------------------------------|--------------|-------|-------------|-------|---------|
| Average Conducted Power(dBm)         |              |       |             |       |         |
| Channel                              |              | 4132  | 4182        | 4233  | Tune up |
| WCDMA                                | 12.2kbps RMC | 19.46 | <b>19.4</b> | 19.38 | 20.5    |
|                                      | 12.2kbps AMR | 19.43 | 19.37       | 19.35 | 20.5    |
| HSDPA                                | Subtest 1    | 18.72 | 18.79       | 18.71 | 20.5    |
|                                      | Subtest 2    | 18.25 | 18.32       | 18.21 | 20      |
|                                      | Subtest 3    | 17.73 | 17.74       | 17.76 | 19.5    |
|                                      | Subtest 4    | 17.62 | 17.69       | 17.75 | 19.5    |
| HSUPA                                | Subtest 1    | 18.46 | 18.42       | 18.39 | 20      |
|                                      | Subtest 2    | 16.11 | 16.01       | 16.11 | 17.5    |
|                                      | Subtest 3    | 16.65 | 16.54       | 16.64 | 18      |
|                                      | Subtest 4    | 15.94 | 16.1        | 16.03 | 17      |
|                                      | Subtest 5    | 16.99 | 16.99       | 17.09 | 18.5    |
| DC-HSDPA                             | Subtest 1    | 18.71 | 18.77       | 18.65 | 20.5    |
|                                      | Subtest 2    | 18.18 | 18.21       | 18.14 | 20      |
|                                      | Subtest 3    | 17.56 | 17.67       | 17.79 | 19.5    |
|                                      | Subtest 4    | 17.67 | 17.66       | 17.79 | 19.5    |

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| WCDMA Band V Receiver off (body or limbs) |              |              |              |              |         |
|---|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm)              |              |              |              |              |         |
| Channel                                   |              | 4132         | 4182         | 4233         | Tune up |
| WCDMA                                     | 12.2kbps RMC | <b>23.48</b> | <b>23.47</b> | <b>23.43</b> | 24.5    |
|   | 12.2kbps AMR | 23.45        | 23.44        | 23.4         | 24.5    |
| HSDPA                                     | Subtest 1    | 22.62        | 22.71        | 22.71        | 24.5    |
|   | Subtest 2    | 22.19        | 22.22        | 22.15        | 24      |
|   | Subtest 3    | 21.7         | 21.71        | 21.66        | 23.5    |
|   | Subtest 4    | 21.54        | 21.67        | 21.74        | 23.5    |
| HSUPA                                     | Subtest 1    | 22.41        | 22.42        | 22.35        | 24      |
|   | Subtest 2    | 20.07        | 19.96        | 20.04        | 21.5    |
|   | Subtest 3    | 20.56        | 20.46        | 20.63        | 22      |
|   | Subtest 4    | 19.85        | 20.01        | 20.01        | 21      |
|   | Subtest 5    | 20.91        | 20.91        | 21.06        | 22.5    |
| DC-HSDPA                                  | Subtest 1    | 22.66        | 22.72        | 22.56        | 24.5    |
|   | Subtest 2    | 22.12        | 22.15        | 22.13        | 24      |
|   | Subtest 3    | 21.51        | 21.65        | 21.73        | 23.5    |
|   | Subtest 4    | 21.61        | 21.64        | 21.72        | 23.5    |

| WCDMA Band V Receiver off (body or limbs) + hotspot 2.4G |              |              |              |              |         |
|--|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm)                             |              |              |              |              |         |
| Channel  |              | 4132         | 4182         | 4233         | Tune up |
| WCDMA  | 12.2kbps RMC | <b>20.47</b> | <b>20.44</b> | <b>20.41</b> | 21.5    |
|  | 12.2kbps AMR | 20.44        | 20.41        | 20.37        | 21.5    |
| HSDPA  | Subtest 1    | 19.53        | 19.68        | 19.68        | 21.5    |
|  | Subtest 2    | 19.15        | 19.1         | 19.07        | 21      |
|  | Subtest 3    | 18.68        | 18.71        | 18.58        | 20.5    |
|  | Subtest 4    | 18.44        | 18.67        | 18.65        | 20.5    |
| HSUPA  | Subtest 1    | 19.35        | 19.39        | 19.31        | 21      |
|  | Subtest 2    | 16.97        | 16.94        | 16.94        | 18.5    |
|  | Subtest 3    | 17.53        | 17.41        | 17.55        | 19      |
|  | Subtest 4    | 16.79        | 16.92        | 16.93        | 18      |
|  | Subtest 5    | 17.89        | 17.89        | 18.01        | 19.5    |
| DC-HSDPA   | Subtest 1    | 19.6         | 19.67        | 19.51        | 21.5    |
|  | Subtest 2    | 19.01        | 19.06        | 19.07        | 21      |
|  | Subtest 3    | 18.4         | 18.53        | 18.61        | 20.5    |
|  | Subtest 4    | 18.52        | 18.53        | 18.66        | 20.5    |

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| WCDMA Band V Receiver off (body or limbs) + hotspot 5G |              |              |              |              |         |
|--|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm)                           |              |              |              |              |         |
| Channel  |              | 4132         | 4182         | 4233         | Tune up |
| WCDMA  | 12.2kbps RMC | <b>18.45</b> | <b>18.43</b> | <b>18.38</b> | 19.5    |
|  | 12.2kbps AMR | 18.41        | 18.39        | 18.36        | 19.5    |
| HSDPA  | Subtest 1    | 17.61        | 17.68        | 17.68        | 19.5    |
|  | Subtest 2    | 17.15        | 17.17        | 17.09        | 19      |
|  | Subtest 3    | 16.7         | 16.81        | 16.65        | 18.5    |
|  | Subtest 4    | 16.54        | 16.7         | 16.74        | 18.5    |
| HSUPA  | Subtest 1    | 17.36        | 17.39        | 17.34        | 19      |
|  | Subtest 2    | 15.07        | 15.05        | 14.97        | 16.5    |
|  | Subtest 3    | 15.64        | 15.46        | 15.65        | 17      |
|  | Subtest 4    | 14.85        | 14.94        | 15           | 16      |
|  | Subtest 5    | 15.96        | 15.98        | 16.05        | 17.5    |
| DC-HSDPA   | Subtest 1    | 17.64        | 17.69        | 17.61        | 19.5    |
|  | Subtest 2    | 17.06        | 17.07        | 17.15        | 19      |
|  | Subtest 3    | 16.45        | 16.59        | 16.7         | 18.5    |
|  | Subtest 4    | 16.54        | 16.6         | 16.73        | 18.5    |

| WCDMA Band V Receiver on(Left head) + hotspot 2.4G |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                       |              |       |       |       |         |
| Channel  |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA  | 12.2kbps RMC | 16.43 | 16.41 | 16.43 | 17.5    |
|  | 12.2kbps AMR | 16.41 | 16.37 | 16.41 | 17.5    |
| HSDPA  | Subtest 1    | 15.67 | 15.8  | 15.75 | 17.5    |
|  | Subtest 2    | 15.15 | 15.26 | 15.18 | 17      |
|  | Subtest 3    | 14.73 | 14.93 | 14.7  | 16.5    |
|  | Subtest 4    | 14.58 | 14.78 | 14.8  | 16.5    |
| HSUPA  | Subtest 1    | 15.43 | 15.5  | 15.44 | 17      |
|  | Subtest 2    | 13.08 | 13.11 | 12.98 | 14.5    |
|  | Subtest 3    | 13.71 | 13.49 | 13.73 | 15      |
|  | Subtest 4    | 12.91 | 12.97 | 13.08 | 14      |
|  | Subtest 5    | 13.97 | 14.07 | 14.16 | 15.5    |
| DC-HSDPA   | Subtest 1    | 15.67 | 15.7  | 15.72 | 17.5    |
|  | Subtest 2    | 15.15 | 15.18 | 15.19 | 17      |
|  | Subtest 3    | 14.49 | 14.67 | 14.72 | 16.5    |
|  | Subtest 4    | 14.62 | 14.66 | 14.83 | 16.5    |

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| WCDMA Band V Receiver on(Right head) + hotspot 2.4G |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                        |              |       |       |       |         |
| Channel   |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA   | 12.2kbps RMC | 16.43 | 16.41 | 16.43 | 17.5    |
|   | 12.2kbps AMR | 16.41 | 16.37 | 16.4  | 17.5    |
| HSDPA   | Subtest 1    | 15.71 | 15.83 | 15.77 | 17.5    |
|   | Subtest 2    | 15.2  | 15.29 | 15.21 | 17      |
|   | Subtest 3    | 14.76 | 15    | 14.76 | 16.5    |
|   | Subtest 4    | 14.6  | 14.87 | 14.85 | 16.5    |
| HSUPA   | Subtest 1    | 15.53 | 15.5  | 15.45 | 17      |
|   | Subtest 2    | 13.17 | 13.18 | 13.01 | 14.5    |
|   | Subtest 3    | 13.72 | 13.55 | 13.74 | 15      |
|   | Subtest 4    | 12.93 | 13.04 | 13.13 | 14      |
|   | Subtest 5    | 13.98 | 14.13 | 14.23 | 15.5    |
| DC-HSDPA  | Subtest 1    | 15.67 | 15.7  | 15.82 | 17.5    |
|   | Subtest 2    | 15.23 | 15.23 | 15.22 | 17      |
|   | Subtest 3    | 14.55 | 14.68 | 14.75 | 16.5    |
|   | Subtest 4    | 14.66 | 14.72 | 14.9  | 16.5    |

| WCDMA Band V Receiver on(Left head) + hotspot 5G |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                     |              |       |       |       |         |
| Channel  |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA  | 12.2kbps RMC | 14.55 | 14.42 | 14.38 | 15.5    |
|  | 12.2kbps AMR | 14.52 | 14.41 | 14.35 | 15.5    |
| HSDPA  | Subtest 1    | 13.78 | 13.86 | 13.84 | 15.5    |
|  | Subtest 2    | 13.23 | 13.34 | 13.26 | 15      |
|  | Subtest 3    | 12.79 | 13.06 | 12.83 | 14.5    |
|  | Subtest 4    | 12.68 | 12.97 | 12.9  | 14.5    |
| HSUPA  | Subtest 1    | 13.55 | 13.53 | 13.53 | 15      |
|  | Subtest 2    | 11.17 | 11.22 | 11.08 | 12.5    |
|  | Subtest 3    | 11.75 | 11.62 | 11.81 | 13      |
|  | Subtest 4    | 11.03 | 11.08 | 11.17 | 12      |
|  | Subtest 5    | 12.01 | 12.19 | 12.29 | 13.5    |
| DC-HSDPA   | Subtest 1    | 13.75 | 13.75 | 13.89 | 15.5    |
|  | Subtest 2    | 13.23 | 13.25 | 13.26 | 15      |
|  | Subtest 3    | 12.56 | 12.71 | 12.79 | 14.5    |
|  | Subtest 4    | 12.72 | 12.8  | 12.9  | 14.5    |

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| WCDMA Band V Receiver on(Right head) + hotspot 5G |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                      |              |       |       |       |         |
| Channel   |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA   | 12.2kbps RMC | 14.55 | 14.42 | 14.38 | 15.5    |
|   | 12.2kbps AMR | 14.52 | 14.41 | 14.35 | 15.5    |
| HSDPA   | Subtest 1    | 13.72 | 13.83 | 13.82 | 15.5    |
|   | Subtest 2    | 13.12 | 13.24 | 13.24 | 15      |
|   | Subtest 3    | 12.74 | 13.02 | 12.76 | 14.5    |
|   | Subtest 4    | 12.62 | 12.94 | 12.87 | 14.5    |
| HSUPA   | Subtest 1    | 13.44 | 13.5  | 13.42 | 15      |
|   | Subtest 2    | 11.13 | 11.14 | 10.97 | 12.5    |
|   | Subtest 3    | 11.68 | 11.61 | 11.74 | 13      |
|   | Subtest 4    | 10.99 | 11    | 11.09 | 12      |
|   | Subtest 5    | 11.93 | 12.12 | 12.2  | 13.5    |
| DC-HSDPA  | Subtest 1    | 13.68 | 13.7  | 13.81 | 15.5    |
|   | Subtest 2    | 13.15 | 13.21 | 13.22 | 15      |
|   | Subtest 3    | 12.47 | 12.7  | 12.71 | 14.5    |
|   | Subtest 4    | 12.69 | 12.71 | 12.88 | 14.5    |

| WCDMA Band V Receiver on(Left head) + BT |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)             |              |       |       |       |         |
| Channel                                  |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA                                    | 12.2kbps RMC | 17.43 | 17.46 | 17.39 | 18.5    |
|  | 12.2kbps AMR | 17.41 | 17.43 | 17.37 | 18.5    |
| HSDPA                                    | Subtest 1    | 16.68 | 16.78 | 16.72 | 18.5    |
|  | Subtest 2    | 16.1  | 16.22 | 16.24 | 18      |
|  | Subtest 3    | 15.72 | 15.94 | 15.68 | 17.5    |
|  | Subtest 4    | 15.53 | 15.89 | 15.79 | 17.5    |
| HSUPA                                    | Subtest 1    | 16.35 | 16.43 | 16.38 | 18      |
|  | Subtest 2    | 14.03 | 14.07 | 13.94 | 15.5    |
|  | Subtest 3    | 14.58 | 14.51 | 14.68 | 16      |
|  | Subtest 4    | 13.96 | 13.93 | 14.04 | 15      |
|  | Subtest 5    | 14.86 | 15.02 | 15.16 | 16.5    |
| DC-HSDPA                                 | Subtest 1    | 16.64 | 16.65 | 16.74 | 18.5    |
|  | Subtest 2    | 16.14 | 16.11 | 16.22 | 18      |
|  | Subtest 3    | 15.46 | 15.61 | 15.66 | 17.5    |
|  | Subtest 4    | 15.65 | 15.63 | 15.82 | 17.5    |

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| WCDMA Band V Receiver on(Right head) + BT |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)              |              |       |       |       |         |
| Channel                                   |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA                                     | 12.2kbps RMC | 17.43 | 17.46 | 17.39 | 18.5    |
|   | 12.2kbps AMR | 17.41 | 17.43 | 17.37 | 18.5    |
| HSDPA                                     | Subtest 1    | 16.66 | 16.76 | 16.69 | 18.5    |
|   | Subtest 2    | 16.1  | 16.21 | 16.17 | 18      |
|   | Subtest 3    | 15.66 | 15.91 | 15.64 | 17.5    |
|   | Subtest 4    | 15.44 | 15.86 | 15.78 | 17.5    |
| HSUPA                                     | Subtest 1    | 16.29 | 16.42 | 16.32 | 18      |
|   | Subtest 2    | 14.02 | 14.03 | 13.9  | 15.5    |
|   | Subtest 3    | 14.56 | 14.42 | 14.66 | 16      |
|   | Subtest 4    | 13.9  | 13.85 | 13.99 | 15      |
|   | Subtest 5    | 14.77 | 14.97 | 15.1  | 16.5    |
| DC-HSDPA                                  | Subtest 1    | 16.61 | 16.62 | 16.65 | 18.5    |
|   | Subtest 2    | 16.11 | 16.09 | 16.15 | 18      |
|   | Subtest 3    | 15.4  | 15.59 | 15.63 | 17.5    |
|   | Subtest 4    | 15.61 | 15.59 | 15.74 | 17.5    |

| WCDMA Band V Receiver off (body or limbs) + BT |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                   |              |       |       |       |         |
| Channel  |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA  | 12.2kbps RMC | 21.47 | 21.45 | 21.41 | 22.5    |
|  | 12.2kbps AMR | 21.43 | 21.41 | 21.37 | 22.5    |
| HSDPA  | Subtest 1    | 20.6  | 20.71 | 20.58 | 22.5    |
|  | Subtest 2    | 20.02 | 20.17 | 20.06 | 22      |
|  | Subtest 3    | 19.56 | 19.81 | 19.63 | 21.5    |
|  | Subtest 4    | 19.41 | 19.85 | 19.67 | 21.5    |
| HSUPA  | Subtest 1    | 20.19 | 20.39 | 20.32 | 22      |
|  | Subtest 2    | 17.93 | 17.94 | 17.8  | 19.5    |
|  | Subtest 3    | 18.5  | 18.38 | 18.56 | 20      |
|  | Subtest 4    | 17.81 | 17.79 | 17.96 | 19      |
|  | Subtest 5    | 18.71 | 18.88 | 19.07 | 20.5    |
| DC-HSDPA                                       | Subtest 1    | 20.51 | 20.53 | 20.62 | 22.5    |
|  | Subtest 2    | 20.08 | 20.07 | 20.13 | 22      |
|  | Subtest 3    | 19.32 | 19.57 | 19.62 | 21.5    |
|  | Subtest 4    | 19.61 | 19.52 | 19.72 | 21.5    |

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| WCDMA Band V Receiver on(Left head) + WiFi2.4G Ant1 |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                        |              |       |       |       |         |
| Channel   |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA   | 12.2kbps RMC | 16.45 | 16.42 | 16.39 | 17.5    |
|   | 12.2kbps AMR | 16.42 | 16.38 | 16.37 | 17.5    |
| HSDPA   | Subtest 1    | 15.71 | 15.74 | 15.67 | 17.5    |
|   | Subtest 2    | 15.08 | 15.25 | 15.11 | 17      |
|   | Subtest 3    | 14.66 | 14.93 | 14.7  | 16.5    |
|   | Subtest 4    | 14.5  | 14.95 | 14.77 | 16.5    |
| HSUPA   | Subtest 1    | 15.22 | 15.45 | 15.37 | 17      |
|   | Subtest 2    | 13.04 | 12.99 | 12.88 | 14.5    |
|   | Subtest 3    | 13.56 | 13.47 | 13.6  | 15      |
|   | Subtest 4    | 12.84 | 12.89 | 12.99 | 14      |
|   | Subtest 5    | 13.73 | 13.88 | 14.09 | 15.5    |
| DC-HSDPA  | Subtest 1    | 15.56 | 15.57 | 15.63 | 17.5    |
|   | Subtest 2    | 15.19 | 15.07 | 15.15 | 17      |
|   | Subtest 3    | 14.39 | 14.59 | 14.73 | 16.5    |
|   | Subtest 4    | 14.65 | 14.64 | 14.75 | 16.5    |

| WCDMA Band V Receiver on(Right head) + WiFi2.4G Ant1 |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                         |              |       |       |       |         |
| Channel  |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA  | 12.2kbps RMC | 16.45 | 16.42 | 16.39 | 17.5    |
|  | 12.2kbps AMR | 16.42 | 16.38 | 16.37 | 17.5    |
| HSDPA  | Subtest 1    | 15.73 | 15.78 | 15.77 | 17.5    |
|  | Subtest 2    | 15.13 | 15.29 | 15.17 | 17      |
|  | Subtest 3    | 14.67 | 15    | 14.73 | 16.5    |
|  | Subtest 4    | 14.52 | 15.03 | 14.81 | 16.5    |
| HSUPA  | Subtest 1    | 15.3  | 15.52 | 15.39 | 17      |
|  | Subtest 2    | 13.12 | 13.05 | 12.98 | 14.5    |
|  | Subtest 3    | 13.59 | 13.54 | 13.66 | 15      |
|  | Subtest 4    | 12.92 | 12.97 | 13.03 | 14      |
|  | Subtest 5    | 13.79 | 13.95 | 14.18 | 15.5    |
| DC-HSDPA   | Subtest 1    | 15.64 | 15.61 | 15.72 | 17.5    |
|  | Subtest 2    | 15.26 | 15.12 | 15.23 | 17      |
|  | Subtest 3    | 14.44 | 14.65 | 14.8  | 16.5    |
|  | Subtest 4    | 14.68 | 14.68 | 14.84 | 16.5    |

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| WCDMA Band V Receiver off (body or limbs) + WiFi2.4G Ant1 |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                              |              |       |       |       |         |
| Channel   |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA   | 12.2kbps RMC | 20.45 | 20.37 | 20.39 | 21.5    |
|   | 12.2kbps AMR | 20.41 | 20.34 | 20.37 | 21.5    |
| HSDPA   | Subtest 1    | 19.72 | 19.78 | 19.69 | 21.5    |
|   | Subtest 2    | 19.09 | 19.26 | 19.11 | 21      |
|   | Subtest 3    | 18.62 | 18.98 | 18.71 | 20.5    |
|   | Subtest 4    | 18.43 | 19.03 | 18.75 | 20.5    |
| HSUPA   | Subtest 1    | 19.25 | 19.46 | 19.34 | 21      |
|   | Subtest 2    | 17.03 | 17.02 | 16.98 | 18.5    |
|   | Subtest 3    | 17.51 | 17.49 | 17.65 | 19      |
|   | Subtest 4    | 16.85 | 16.9  | 16.97 | 18      |
|   | Subtest 5    | 17.74 | 17.88 | 18.09 | 19.5    |
| DC-HSDPA  | Subtest 1    | 19.55 | 19.53 | 19.67 | 21.5    |
|   | Subtest 2    | 19.23 | 19.12 | 19.2  | 21      |
|   | Subtest 3    | 18.36 | 18.62 | 18.74 | 20.5    |
|   | Subtest 4    | 18.67 | 18.64 | 18.78 | 20.5    |

| WCDMA Band V Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                |              |       |       |       |         |
| Channel   |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA   | 12.2kbps RMC | 14.56 | 14.42 | 14.38 | 15.5    |
|   | 12.2kbps AMR | 14.53 | 14.39 | 14.36 | 15.5    |
| HSDPA   | Subtest 1    | 13.7  | 13.7  | 13.68 | 15.5    |
|   | Subtest 2    | 13    | 13.25 | 13.03 | 15      |
|   | Subtest 3    | 12.6  | 12.93 | 12.64 | 14.5    |
|   | Subtest 4    | 12.33 | 13.03 | 12.64 | 14.5    |
| HSUPA   | Subtest 1    | 13.17 | 13.43 | 13.24 | 15      |
|   | Subtest 2    | 10.97 | 10.93 | 10.91 | 12.5    |
|   | Subtest 3    | 11.5  | 11.46 | 11.61 | 13      |
|   | Subtest 4    | 10.78 | 10.88 | 10.96 | 12      |
|   | Subtest 5    | 11.66 | 11.83 | 12.04 | 13.5    |
| DC-HSDPA  | Subtest 1    | 13.54 | 13.48 | 13.66 | 15.5    |
|   | Subtest 2    | 13.18 | 13.07 | 13.16 | 15      |
|   | Subtest 3    | 12.26 | 12.57 | 12.74 | 14.5    |
|   | Subtest 4    | 12.66 | 12.62 | 12.72 | 14.5    |

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| WCDMA Band V Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                 |              |       |       |       |         |
| Channel  |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA  | 12.2kbps RMC | 14.56 | 14.42 | 14.38 | 15.5    |
|  | 12.2kbps AMR | 14.53 | 14.4  | 14.36 | 15.5    |
| HSDPA  | Subtest 1    | 13.61 | 13.64 | 13.61 | 15.5    |
|  | Subtest 2    | 12.91 | 13.22 | 13    | 15      |
|  | Subtest 3    | 12.58 | 12.84 | 12.57 | 14.5    |
|  | Subtest 4    | 12.31 | 12.95 | 12.59 | 14.5    |
| HSUPA  | Subtest 1    | 13.09 | 13.42 | 13.21 | 15      |
|  | Subtest 2    | 10.89 | 10.92 | 10.88 | 12.5    |
|  | Subtest 3    | 11.4  | 11.36 | 11.54 | 13      |
|  | Subtest 4    | 10.77 | 10.8  | 10.88 | 12      |
|  | Subtest 5    | 11.63 | 11.73 | 11.99 | 13.5    |
| DC-HSDPA   | Subtest 1    | 13.45 | 13.46 | 13.65 | 15.5    |
|  | Subtest 2    | 13.18 | 12.99 | 13.09 | 15      |
|  | Subtest 3    | 12.16 | 12.5  | 12.69 | 14.5    |
|  | Subtest 4    | 12.57 | 12.52 | 12.61 | 14.5    |

| WCDMA Band V Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                      |              |       |       |       |         |
| Channel   |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA   | 12.2kbps RMC | 18.43 | 18.46 | 18.36 | 19.5    |
|   | 12.2kbps AMR | 18.4  | 18.42 | 18.34 | 19.5    |
| HSDPA   | Subtest 1    | 17.52 | 17.59 | 17.6  | 19.5    |
|   | Subtest 2    | 16.81 | 17.12 | 16.99 | 19      |
|   | Subtest 3    | 16.5  | 16.8  | 16.56 | 18.5    |
|   | Subtest 4    | 16.3  | 16.92 | 16.5  | 18.5    |
| HSUPA   | Subtest 1    | 17.03 | 17.38 | 17.14 | 19      |
|   | Subtest 2    | 14.89 | 14.9  | 14.82 | 16.5    |
|   | Subtest 3    | 15.36 | 15.29 | 15.48 | 17      |
|   | Subtest 4    | 14.69 | 14.74 | 14.78 | 16      |
|   | Subtest 5    | 15.56 | 15.64 | 15.94 | 17.5    |
| DC-HSDPA  | Subtest 1    | 17.36 | 17.43 | 17.63 | 19.5    |
|   | Subtest 2    | 17.09 | 16.93 | 17.06 | 19      |
|   | Subtest 3    | 16.14 | 16.42 | 16.66 | 18.5    |
|   | Subtest 4    | 16.47 | 16.42 | 16.56 | 18.5    |

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| WCDMA Band V Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO |              |       |       |              |         |
|--|--------------|-------|-------|--------------|---------|
| Average Conducted Power(dBm)                                     |              |       |       |              |         |
| Channel  |              | 4132  | 4182  | 4233         | Tune up |
| WCDMA  | 12.2kbps RMC | 14.56 | 14.42 | <b>14.38</b> | 15.5    |
|  | 12.2kbps AMR | 14.53 | 14.39 | 14.36        | 15.5    |
| HSDPA  | Subtest 1    | 13.7  | 13.7  | 13.68        | 15.5    |
|  | Subtest 2    | 13    | 13.25 | 13.03        | 15      |
|  | Subtest 3    | 12.6  | 12.93 | 12.64        | 14.5    |
|  | Subtest 4    | 12.33 | 13.03 | 12.64        | 14.5    |
| HSUPA  | Subtest 1    | 13.17 | 13.43 | 13.24        | 15      |
|  | Subtest 2    | 10.97 | 10.93 | 10.91        | 12.5    |
|  | Subtest 3    | 11.5  | 11.46 | 11.61        | 13      |
|  | Subtest 4    | 10.78 | 10.88 | 10.96        | 12      |
|  | Subtest 5    | 11.66 | 11.83 | 12.04        | 13.5    |
| DC-HSDPA   | Subtest 1    | 13.54 | 13.48 | 13.66        | 15.5    |
|  | Subtest 2    | 13.18 | 13.07 | 13.16        | 15      |
|  | Subtest 3    | 12.26 | 12.57 | 12.74        | 14.5    |
|  | Subtest 4    | 12.66 | 12.62 | 12.72        | 14.5    |

| WCDMA Band V Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                      |              |       |       |       |         |
| Channel   |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA   | 12.2kbps RMC | 14.56 | 14.42 | 14.38 | 15.5    |
|   | 12.2kbps AMR | 14.53 | 14.4  | 14.36 | 15.5    |
| HSDPA   | Subtest 1    | 13.61 | 13.64 | 13.61 | 15.5    |
|   | Subtest 2    | 12.91 | 13.22 | 13    | 15      |
|   | Subtest 3    | 12.58 | 12.84 | 12.57 | 14.5    |
|   | Subtest 4    | 12.31 | 12.95 | 12.59 | 14.5    |
| HSUPA   | Subtest 1    | 13.09 | 13.42 | 13.21 | 15      |
|   | Subtest 2    | 10.89 | 10.92 | 10.88 | 12.5    |
|   | Subtest 3    | 11.4  | 11.36 | 11.54 | 13      |
|   | Subtest 4    | 10.77 | 10.8  | 10.88 | 12      |
|   | Subtest 5    | 11.63 | 11.73 | 11.99 | 13.5    |
| DC-HSDPA  | Subtest 1    | 13.45 | 13.46 | 13.65 | 15.5    |
|   | Subtest 2    | 13.18 | 12.99 | 13.09 | 15      |
|   | Subtest 3    | 12.16 | 12.5  | 12.69 | 14.5    |
|   | Subtest 4    | 12.57 | 12.52 | 12.61 | 14.5    |

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| WCDMA Band V Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)   |              |       |       |       |         |
| Channel  |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA  | 12.2kbps RMC | 18.43 | 18.46 | 18.36 | 19.5    |
|  | 12.2kbps AMR | 18.4  | 18.42 | 18.34 | 19.5    |
| HSDPA  | Subtest 1    | 17.52 | 17.59 | 17.6  | 19.5    |
|  | Subtest 2    | 16.81 | 17.12 | 16.99 | 19      |
|  | Subtest 3    | 16.5  | 16.8  | 16.56 | 18.5    |
|  | Subtest 4    | 16.3  | 16.92 | 16.5  | 18.5    |
| HSUPA  | Subtest 1    | 17.03 | 17.38 | 17.14 | 19      |
|  | Subtest 2    | 14.89 | 14.9  | 14.82 | 16.5    |
|  | Subtest 3    | 15.36 | 15.29 | 15.48 | 17      |
|  | Subtest 4    | 14.69 | 14.74 | 14.78 | 16      |
|  | Subtest 5    | 15.56 | 15.64 | 15.94 | 17.5    |
| DC-HSDPA   | Subtest 1    | 17.36 | 17.43 | 17.63 | 19.5    |
|  | Subtest 2    | 17.09 | 16.93 | 17.06 | 19      |
|  | Subtest 3    | 16.14 | 16.42 | 16.66 | 18.5    |
|  | Subtest 4    | 16.47 | 16.42 | 16.56 | 18.5    |

| WCDMA Band V Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2 |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                      |              |       |       |       |         |
| Channel   |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA   | 12.2kbps RMC | 16.45 | 16.42 | 16.39 | 17.5    |
|   | 12.2kbps AMR | 16.42 | 16.38 | 16.37 | 17.5    |
| HSDPA   | Subtest 1    | 15.71 | 15.74 | 15.67 | 17.5    |
|   | Subtest 2    | 15.08 | 15.25 | 15.11 | 17      |
|   | Subtest 3    | 14.66 | 14.93 | 14.7  | 16.5    |
|   | Subtest 4    | 14.5  | 14.95 | 14.77 | 16.5    |
| HSUPA   | Subtest 1    | 15.22 | 15.45 | 15.37 | 17      |
|   | Subtest 2    | 13.04 | 12.99 | 12.88 | 14.5    |
|   | Subtest 3    | 13.56 | 13.47 | 13.6  | 15      |
|   | Subtest 4    | 12.84 | 12.89 | 12.99 | 14      |
|   | Subtest 5    | 13.73 | 13.88 | 14.09 | 15.5    |
| DC-HSDPA  | Subtest 1    | 15.56 | 15.57 | 15.63 | 17.5    |
|   | Subtest 2    | 15.19 | 15.07 | 15.15 | 17      |
|   | Subtest 3    | 14.39 | 14.59 | 14.73 | 16.5    |
|   | Subtest 4    | 14.65 | 14.64 | 14.75 | 16.5    |

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| WCDMA Band V Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2 |              |       |       |       |         |
|--|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                       |              |       |       |       |         |
| Channel  |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA  | 12.2kbps RMC | 16.45 | 16.42 | 16.39 | 17.5    |
|  | 12.2kbps AMR | 16.42 | 16.38 | 16.37 | 17.5    |
| HSDPA  | Subtest 1    | 15.73 | 15.78 | 15.77 | 17.5    |
|  | Subtest 2    | 15.13 | 15.29 | 15.17 | 17      |
|  | Subtest 3    | 14.67 | 15    | 14.73 | 16.5    |
|  | Subtest 4    | 14.52 | 15.03 | 14.81 | 16.5    |
| HSUPA  | Subtest 1    | 15.3  | 15.52 | 15.39 | 17      |
|  | Subtest 2    | 13.12 | 13.05 | 12.98 | 14.5    |
|  | Subtest 3    | 13.59 | 13.54 | 13.66 | 15      |
|  | Subtest 4    | 12.92 | 12.97 | 13.03 | 14      |
|  | Subtest 5    | 13.79 | 13.95 | 14.18 | 15.5    |
| DC-HSDPA   | Subtest 1    | 15.64 | 15.61 | 15.72 | 17.5    |
|  | Subtest 2    | 15.26 | 15.12 | 15.23 | 17      |
|  | Subtest 3    | 14.44 | 14.65 | 14.8  | 16.5    |
|  | Subtest 4    | 14.68 | 14.68 | 14.84 | 16.5    |

| WCDMA Band V Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2 |              |       |       |       |         |
|---|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)  |              |       |       |       |         |
| Channel   |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA   | 12.2kbps RMC | 20.45 | 20.37 | 20.39 | 21.5    |
|   | 12.2kbps AMR | 20.41 | 20.34 | 20.37 | 21.5    |
| HSDPA   | Subtest 1    | 19.72 | 19.78 | 19.69 | 21.5    |
|   | Subtest 2    | 19.09 | 19.26 | 19.11 | 21      |
|   | Subtest 3    | 18.62 | 18.98 | 18.71 | 20.5    |
|   | Subtest 4    | 18.43 | 19.03 | 18.75 | 20.5    |
| HSUPA   | Subtest 1    | 19.25 | 19.46 | 19.34 | 21      |
|   | Subtest 2    | 17.03 | 17.02 | 16.98 | 18.5    |
|   | Subtest 3    | 17.51 | 17.49 | 17.65 | 19      |
|   | Subtest 4    | 16.85 | 16.9  | 16.97 | 18      |
|   | Subtest 5    | 17.74 | 17.88 | 18.09 | 19.5    |
| DC-HSDPA  | Subtest 1    | 19.55 | 19.53 | 19.67 | 21.5    |
|   | Subtest 2    | 19.23 | 19.12 | 19.2  | 21      |
|   | Subtest 3    | 18.36 | 18.62 | 18.74 | 20.5    |
|   | Subtest 4    | 18.67 | 18.64 | 18.78 | 20.5    |

Table 14: Conducted Power of WCDMA

Note:

- when the maximum output power variation across the required test channels is  $> \frac{1}{2}$  dB, instead of the middle channel, the highest output power channel must be used.

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## 8.1.2.3

## Conducted Power of LTE

| LTE Band 2 Receiver on(Left head) |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                         | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                   |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                            | QPSK       | 1       | 0         | 17.6                 | 17.45   | 17.43   | 18      |
|                                   |            | 1       | 2         | 17.15                | 16.83   | 17.03   | 18      |
|                                   |            | 1       | 5         | 17.6                 | 17.49   | 17.46   | 18      |
|                                   |            | 3       | 0         | 17.49                | 17.4    | 17.36   | 18      |
|                                   |            | 3       | 2         | 17.37                | 17.17   | 17.17   | 18      |
|                                   |            | 3       | 3         | 17.48                | 17.34   | 17.44   | 18      |
|                                   |            | 6       | 0         | 17.47                | 17.36   | 17.39   | 18      |
|                                   | 16QAM      | 1       | 0         | 17.8                 | 17.72   | 17.74   | 18      |
|                                   |            | 1       | 2         | 17.52                | 17.59   | 17.6    | 18      |
|                                   |            | 1       | 5         | 17.75                | 17.74   | 17.73   | 18      |
|                                   |            | 3       | 0         | 17.55                | 17.38   | 17.38   | 18      |
|                                   |            | 3       | 2         | 17.55                | 17.39   | 17.37   | 18      |
|                                   |            | 3       | 3         | 17.49                | 17.39   | 17.45   | 18      |
|                                   |            | 6       | 0         | 17.37                | 17.32   | 17.36   | 18      |
|                                   | 64QAM      | 1       | 0         | 17.4                 | 17.33   | 17.42   | 18      |
|                                   |            | 1       | 2         | 17.11                | 17.18   | 17.06   | 18      |
|                                   |            | 1       | 5         | 17.4                 | 17.41   | 17.39   | 18      |
|                                   |            | 3       | 0         | 17.32                | 17.26   | 17.36   | 18      |
|                                   |            | 3       | 2         | 17.1                 | 17.06   | 17.11   | 18      |
|                                   |            | 3       | 3         | 17.2                 | 17.14   | 17.15   | 18      |
|                                   |            | 6       | 0         | 17.36                | 17.28   | 17.29   | 18      |
| Bandwidth                         | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                   |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz                              | QPSK       | 1       | 0         | 17.54                | 17.46   | 17.4    | 18      |
|                                   |            | 1       | 7         | 17.18                | 17.26   | 17.17   | 18      |
|                                   |            | 1       | 14        | 17.49                | 17.44   | 17.49   | 18      |
|                                   |            | 8       | 0         | 17.43                | 17.37   | 17.37   | 18      |
|                                   |            | 8       | 4         | 17.43                | 17.35   | 17.35   | 18      |
|                                   |            | 8       | 7         | 17.48                | 17.4    | 17.42   | 18      |
|                                   |            | 15      | 0         | 17.52                | 17.43   | 17.43   | 18      |
|                                   | 16QAM      | 1       | 0         | 17.81                | 17.79   | 17.76   | 18      |
|                                   |            | 1       | 7         | 17.48                | 17.25   | 17.42   | 18      |
|                                   |            | 1       | 14        | 17.77                | 17.68   | 17.73   | 18      |
|                                   |            | 8       | 0         | 17.46                | 17.35   | 17.29   | 18      |
|                                   |            | 8       | 4         | 17.38                | 17.33   | 17.32   | 18      |
|                                   |            | 8       | 7         | 17.5                 | 17.28   | 17.3    | 18      |
|                                   |            | 15      | 0         | 17.5                 | 17.38   | 17.39   | 18      |
|                                   | 64QAM      | 1       | 0         | 17.38                | 17.31   | 17.36   | 18      |
|                                   |            | 1       | 7         | 17.06                | 17.22   | 17.01   | 18      |
|                                   |            | 1       | 14        | 17.43                | 17.42   | 17.39   | 18      |
|                                   |            | 8       | 0         | 17.36                | 17.28   | 17.34   | 18      |

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|           |            | 8       | 4         | 17.09   | 17.1    | 17.13   | 18      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 17.22   | 17.09   | 17.19   | 18      |
|           |            | 15      | 0         | 17.32   | 17.28   | 17.29   | 18      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.49   | 17.5    | 17.46   | 18      |
|           |            | 1       | 13        | 17.52   | 17.38   | 17.43   | 18      |
|           |            | 1       | 24        | 17.44   | 17.41   | 17.48   | 18      |
|           |            | 12      | 0         | 17.55   | 17.51   | 17.51   | 18      |
|           |            | 12      | 6         | 17.49   | 17.45   | 17.34   | 18      |
|           |            | 12      | 13        | 17.57   | 17.43   | 17.49   | 18      |
|           |            | 25      | 0         | 17.5    | 17.46   | 17.39   | 18      |
|           | 16QAM      | 1       | 0         | 17.79   | 17.7    | 17.7    | 18      |
|           |            | 1       | 13        | 17.76   | 17.77   | 17.67   | 18      |
|           |            | 1       | 24        | 17.74   | 17.68   | 17.75   | 18      |
|           |            | 12      | 0         | 17.52   | 17.43   | 17.46   | 18      |
|           |            | 12      | 6         | 17.49   | 17.28   | 17.3    | 18      |
|           |            | 12      | 13        | 17.52   | 17.45   | 17.44   | 18      |
|           |            | 25      | 0         | 17.45   | 17.36   | 17.38   | 18      |
|           | 64QAM      | 1       | 0         | 17.38   | 17.33   | 17.34   | 18      |
|           |            | 1       | 13        | 17.09   | 17.21   | 17      | 18      |
|           |            | 1       | 24        | 17.39   | 17.47   | 17.37   | 18      |
|           |            | 12      | 0         | 17.36   | 17.28   | 17.34   | 18      |
|           |            | 12      | 6         | 17.11   | 17.13   | 17.2    | 18      |
|           |            | 12      | 13        | 17.21   | 17.12   | 17.11   | 18      |
|           |            | 25      | 0         | 17.35   | 17.24   | 17.27   | 18      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.54   | 17.47   | 17.43   | 18      |
|           |            | 1       | 25        | 17.22   | 17.05   | 17.37   | 18      |
|           |            | 1       | 49        | 17.43   | 17.4    | 17.46   | 18      |
|           |            | 25      | 0         | 17.5    | 17.49   | 17.5    | 18      |
|           |            | 25      | 13        | 17.47   | 17.41   | 17.46   | 18      |
|           |            | 25      | 25        | 17.49   | 17.43   | 17.42   | 18      |
|           |            | 50      | 0         | 17.51   | 17.43   | 17.44   | 18      |
|           | 16QAM      | 1       | 0         | 17.8    | 17.67   | 17.66   | 18      |
|           |            | 1       | 25        | 17.49   | 17.47   | 17.38   | 18      |
|           |            | 1       | 49        | 17.69   | 17.55   | 17.78   | 18      |
|           |            | 25      | 0         | 17.43   | 17.43   | 17.39   | 18      |
|           |            | 25      | 13        | 17.45   | 17.39   | 17.35   | 18      |
|           |            | 25      | 25        | 17.44   | 17.39   | 17.38   | 18      |
|           |            | 50      | 0         | 17.45   | 17.4    | 17.41   | 18      |
|           | 64QAM      | 1       | 0         | 17.4    | 17.36   | 17.38   | 18      |
|           |            | 1       | 25        | 17.1    | 17.17   | 17.06   | 18      |
|           |            | 1       | 49        | 17.4    | 17.41   | 17.39   | 18      |
|           |            | 25      | 0         | 17.33   | 17.23   | 17.3    | 18      |
|           |            | 25      | 13        | 17.14   | 17.1    | 17.16   | 18      |

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|           |            | 25      | 25        | 17.2    | 17.17   | 17.13   | 18      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 17.35   | 17.31   | 17.26   | 18      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.54   | 17.48   | 17.38   | 18      |
|           |            | 1       | 38        | 17.55   | 17.44   | 17.48   | 18      |
|           |            | 1       | 74        | 17.49   | 17.37   | 17.4    | 18      |
|           |            | 36      | 0         | 17.52   | 17.52   | 17.47   | 18      |
|           |            | 36      | 18        | 17.52   | 17.49   | 17.47   | 18      |
|           |            | 36      | 39        | 17.54   | 17.47   | 17.43   | 18      |
|           |            | 75      | 0         | 17.5    | 17.47   | 17.52   | 18      |
|           | 16QAM      | 1       | 0         | 17.73   | 17.76   | 17.64   | 18      |
|           |            | 1       | 38        | 17.87   | 17.67   | 17.67   | 18      |
|           |            | 1       | 74        | 17.73   | 17.71   | 17.61   | 18      |
|           |            | 36      | 0         | 17.54   | 17.45   | 17.45   | 18      |
|           |            | 36      | 18        | 17.51   | 17.4    | 17.44   | 18      |
|           |            | 36      | 39        | 17.53   | 17.39   | 17.44   | 18      |
|           |            | 75      | 0         | 17.5    | 17.36   | 17.41   | 18      |
|           | 64QAM      | 1       | 0         | 17.37   | 17.35   | 17.39   | 18      |
|           |            | 1       | 38        | 17.08   | 17.13   | 17.05   | 18      |
|           |            | 1       | 74        | 17.45   | 17.4    | 17.41   | 18      |
|           |            | 36      | 0         | 17.32   | 17.3    | 17.28   | 18      |
|           |            | 36      | 18        | 17.16   | 17.09   | 17.12   | 18      |
|           |            | 36      | 39        | 17.23   | 17.13   | 17.09   | 18      |
|           |            | 75      | 0         | 17.27   | 17.25   | 17.29   | 18      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.68   | 17.53   | 17.53   | 18      |
|           |            | 1       | 50        | 17.16   | 17.1    | 17.08   | 18      |
|           |            | 1       | 99        | 17.54   | 17.49   | 17.55   | 18      |
|           |            | 50      | 0         | 17.61   | 17.51   | 17.47   | 18      |
|           |            | 50      | 25        | 17.51   | 17.42   | 17.45   | 18      |
|           |            | 50      | 50        | 17.54   | 17.48   | 17.52   | 18      |
|           |            | 100     | 0         | 17.59   | 17.48   | 17.52   | 18      |
|           | 16QAM      | 1       | 0         | 17.85   | 17.92   | 17.86   | 18      |
|           |            | 1       | 50        | 17.51   | 17.46   | 17.6    | 18      |
|           |            | 1       | 99        | 17.77   | 17.74   | 17.85   | 18      |
|           |            | 50      | 0         | 17.51   | 17.44   | 17.4    | 18      |
|           |            | 50      | 25        | 17.45   | 17.36   | 17.37   | 18      |
|           |            | 50      | 50        | 17.47   | 17.41   | 17.44   | 18      |
|           |            | 100     | 0         | 17.48   | 17.41   | 17.4    | 18      |
|           | 64QAM      | 1       | 0         | 17.37   | 17.35   | 17.39   | 18      |
|           |            | 1       | 50        | 17.08   | 17.13   | 17.05   | 18      |
|           |            | 1       | 99        | 17.45   | 17.4    | 17.41   | 18      |
|           |            | 50      | 0         | 17.32   | 17.3    | 17.28   | 18      |
|           |            | 50      | 25        | 17.16   | 17.09   | 17.12   | 18      |
|           |            | 50      | 50        | 17.23   | 17.13   | 17.09   | 18      |

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|  |  |     |   |       |       |       |    |
|--|--|-----|---|-------|-------|-------|----|
|  |  | 100 | 0 | 17.27 | 17.25 | 17.29 | 18 |
|--|--|-----|---|-------|-------|-------|----|

| LTE Band 2 Receiver on(Right head) |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                             | QPSK       | 1       | 0         | 15.54                | 15.47   | 15.42   | 16      |
|                                    |            | 1       | 2         | 15.22                | 15.12   | 15.19   | 16      |
|                                    |            | 1       | 5         | 15.53                | 15.53   | 15.45   | 16      |
|                                    |            | 3       | 0         | 15.44                | 15.38   | 15.32   | 16      |
|                                    |            | 3       | 2         | 15.32                | 15.15   | 15.23   | 16      |
|                                    |            | 3       | 3         | 15.37                | 15.32   | 15.34   | 16      |
|                                    |            | 6       | 0         | 15.48                | 15.33   | 15.41   | 16      |
|                                    | 16QAM      | 1       | 0         | 15.8                 | 15.73   | 15.66   | 16      |
|                                    |            | 1       | 2         | 15.74                | 15.32   | 15.39   | 16      |
|                                    |            | 1       | 5         | 15.88                | 15.72   | 15.63   | 16      |
|                                    |            | 3       | 0         | 15.52                | 15.41   | 15.32   | 16      |
|                                    |            | 3       | 2         | 15.29                | 15.22   | 15.21   | 16      |
|                                    |            | 3       | 3         | 15.44                | 15.32   | 15.27   | 16      |
|                                    |            | 6       | 0         | 15.38                | 15.29   | 15.36   | 16      |
|                                    | 64QAM      | 1       | 0         | 15.62                | 15.51   | 15.54   | 16      |
|                                    |            | 1       | 2         | 14.9                 | 15.09   | 15.11   | 16      |
|                                    |            | 1       | 5         | 15.61                | 15.53   | 15.46   | 16      |
|                                    |            | 3       | 0         | 15.26                | 15.2    | 15.22   | 16      |
|                                    |            | 3       | 2         | 15.18                | 15.16   | 15.16   | 16      |
|                                    |            | 3       | 3         | 15.28                | 15.22   | 15.18   | 16      |
|                                    |            | 6       | 0         | 15.24                | 15.25   | 15.2    | 16      |
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz                               | QPSK       | 1       | 0         | 15.54                | 15.39   | 15.46   | 16      |
|                                    |            | 1       | 7         | 15.08                | 15.32   | 15.1    | 16      |
|                                    |            | 1       | 14        | 15.47                | 15.47   | 15.47   | 16      |
|                                    |            | 8       | 0         | 15.5                 | 15.35   | 15.26   | 16      |
|                                    |            | 8       | 4         | 15.5                 | 15.39   | 15.33   | 16      |
|                                    |            | 8       | 7         | 15.5                 | 15.44   | 15.4    | 16      |
|                                    |            | 15      | 0         | 15.52                | 15.43   | 15.42   | 16      |
|                                    | 16QAM      | 1       | 0         | 15.74                | 15.63   | 15.63   | 16      |
|                                    |            | 1       | 7         | 15.31                | 15.47   | 15.28   | 16      |
|                                    |            | 1       | 14        | 15.75                | 15.63   | 15.72   | 16      |
|                                    |            | 8       | 0         | 15.43                | 15.36   | 15.4    | 16      |
|                                    |            | 8       | 4         | 15.46                | 15.43   | 15.38   | 16      |
|                                    |            | 8       | 7         | 15.49                | 15.39   | 15.41   | 16      |
|                                    |            | 15      | 0         | 15.5                 | 15.35   | 15.36   | 16      |
|                                    | 64QAM      | 1       | 0         | 15.62                | 15.52   | 15.47   | 16      |
|                                    |            | 1       | 7         | 14.95                | 15.08   | 15.21   | 16      |
|                                    |            | 1       | 14        | 15.63                | 15.5    | 15.49   | 16      |

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|           |            | 8       | 0         | 15.26   | 15.22   | 15.14   | 16      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 4         | 15.17   | 15.17   | 15.16   | 16      |
|           |            | 8       | 7         | 15.29   | 15.18   | 15.18   | 16      |
|           |            | 15      | 0         | 15.25   | 15.19   | 15.26   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 15.51   | 15.44   | 15.45   | 16      |
|           |            | 1       | 13        | 15.48   | 15.42   | 15.46   | 16      |
|           |            | 1       | 24        | 15.41   | 15.42   | 15.47   | 16      |
|           |            | 12      | 0         | 15.58   | 15.51   | 15.48   | 16      |
|           |            | 12      | 6         | 15.47   | 15.37   | 15.4    | 16      |
|           |            | 12      | 13        | 15.55   | 15.46   | 15.48   | 16      |
|           |            | 25      | 0         | 15.5    | 15.41   | 15.41   | 16      |
|           | 16QAM      | 1       | 0         | 15.89   | 15.84   | 15.68   | 16      |
|           |            | 1       | 13        | 15.71   | 15.8    | 15.76   | 16      |
|           |            | 1       | 24        | 15.7    | 15.71   | 15.74   | 16      |
|           |            | 12      | 0         | 15.51   | 15.45   | 15.43   | 16      |
|           |            | 12      | 6         | 15.4    | 15.43   | 15.41   | 16      |
|           |            | 12      | 13        | 15.48   | 15.42   | 15.41   | 16      |
|           |            | 25      | 0         | 15.4    | 15.37   | 15.35   | 16      |
|           | 64QAM      | 1       | 0         | 15.53   | 15.53   | 15.53   | 16      |
|           |            | 1       | 13        | 14.96   | 15.08   | 15.12   | 16      |
|           |            | 1       | 24        | 15.64   | 15.45   | 15.51   | 16      |
|           |            | 12      | 0         | 15.31   | 15.24   | 15.17   | 16      |
|           |            | 12      | 6         | 15.19   | 15.21   | 15.15   | 16      |
|           |            | 12      | 13        | 15.27   | 15.24   | 15.19   | 16      |
|           |            | 25      | 0         | 15.24   | 15.25   | 15.24   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 15.56   | 15.41   | 15.4    | 16      |
|           |            | 1       | 25        | 14.98   | 15.16   | 15.13   | 16      |
|           |            | 1       | 49        | 15.45   | 15.41   | 15.51   | 16      |
|           |            | 25      | 0         | 15.5    | 15.47   | 15.47   | 16      |
|           |            | 25      | 13        | 15.49   | 15.41   | 15.47   | 16      |
|           |            | 25      | 25        | 15.49   | 15.44   | 15.42   | 16      |
|           |            | 50      | 0         | 15.49   | 15.43   | 15.46   | 16      |
|           | 16QAM      | 1       | 0         | 15.89   | 15.74   | 15.55   | 16      |
|           |            | 1       | 25        | 15.61   | 15.71   | 15.31   | 16      |
|           |            | 1       | 49        | 15.8    | 15.74   | 15.64   | 16      |
|           |            | 25      | 0         | 15.48   | 15.42   | 15.4    | 16      |
|           |            | 25      | 13        | 15.41   | 15.38   | 15.35   | 16      |
|           |            | 25      | 25        | 15.39   | 15.38   | 15.41   | 16      |
|           |            | 50      | 0         | 15.44   | 15.36   | 15.37   | 16      |
|           | 64QAM      | 1       | 0         | 15.57   | 15.45   | 15.5    | 16      |
|           |            | 1       | 25        | 14.95   | 15.11   | 15.21   | 16      |
|           |            | 1       | 49        | 15.63   | 15.49   | 15.44   | 16      |
|           |            | 25      | 0         | 15.23   | 15.26   | 15.23   | 16      |

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|           |            | 25      | 13        | 15.2    | 15.17   | 15.17   | 16      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 25        | 15.26   | 15.24   | 15.16   | 16      |
|           |            | 50      | 0         | 15.29   | 15.16   | 15.21   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.54   | 15.45   | 15.42   | 16      |
|           |            | 1       | 38        | 15.53   | 15.45   | 15.49   | 16      |
|           |            | 1       | 74        | 15.41   | 15.36   | 15.41   | 16      |
|           |            | 36      | 0         | 15.54   | 15.58   | 15.47   | 16      |
|           |            | 36      | 18        | 15.54   | 15.45   | 15.5    | 16      |
|           |            | 36      | 39        | 15.53   | 15.48   | 15.45   | 16      |
|           |            | 75      | 0         | 15.56   | 15.5    | 15.44   | 16      |
|           | 16QAM      | 1       | 0         | 15.91   | 15.82   | 15.66   | 16      |
|           |            | 1       | 38        | 15.84   | 15.73   | 15.84   | 16      |
|           |            | 1       | 74        | 15.77   | 15.66   | 15.75   | 16      |
|           |            | 36      | 0         | 15.47   | 15.45   | 15.42   | 16      |
|           |            | 36      | 18        | 15.48   | 15.37   | 15.42   | 16      |
|           |            | 36      | 39        | 15.45   | 15.38   | 15.47   | 16      |
|           |            | 75      | 0         | 15.42   | 15.38   | 15.41   | 16      |
|           | 64QAM      | 1       | 0         | 15.56   | 15.45   | 15.49   | 16      |
|           |            | 1       | 38        | 14.9    | 15.07   | 15.17   | 16      |
|           |            | 1       | 74        | 15.6    | 15.47   | 15.51   | 16      |
|           |            | 36      | 0         | 15.31   | 15.23   | 15.2    | 16      |
|           |            | 36      | 18        | 15.17   | 15.14   | 15.16   | 16      |
|           |            | 36      | 39        | 15.25   | 15.17   | 15.23   | 16      |
|           |            | 75      | 0         | 15.29   | 15.2    | 15.2    | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 15.65   | 15.62   | 15.55   | 16      |
|           |            | 1       | 50        | 15.34   | 15.31   | 15.25   | 16      |
|           |            | 1       | 99        | 15.59   | 15.46   | 15.48   | 16      |
|           |            | 50      | 0         | 15.58   | 15.52   | 15.52   | 16      |
|           |            | 50      | 25        | 15.53   | 15.49   | 15.45   | 16      |
|           |            | 50      | 50        | 15.53   | 15.45   | 15.47   | 16      |
|           |            | 100     | 0         | 15.55   | 15.5    | 15.52   | 16      |
|           | 16QAM      | 1       | 0         | 15.95   | 15.87   | 15.78   | 16      |
|           |            | 1       | 50        | 15.75   | 15.23   | 15.58   | 16      |
|           |            | 1       | 99        | 15.81   | 15.72   | 15.75   | 16      |
|           |            | 50      | 0         | 15.53   | 15.44   | 15.4    | 16      |
|           |            | 50      | 25        | 15.44   | 15.42   | 15.39   | 16      |
|           |            | 50      | 50        | 15.45   | 15.4    | 15.43   | 16      |
|           |            | 100     | 0         | 15.48   | 15.41   | 15.39   | 16      |
|           | 64QAM      | 1       | 0         | 15.53   | 15.47   | 15.49   | 16      |
|           |            | 1       | 50        | 14.96   | 15.04   | 15.12   | 16      |
|           |            | 1       | 99        | 15.56   | 15.52   | 15.47   | 16      |
|           |            | 50      | 0         | 15.26   | 15.21   | 15.17   | 16      |
|           |            | 50      | 25        | 15.18   | 15.19   | 15.22   | 16      |

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|  |  |     |    |       |       |       |    |
|--|--|-----|----|-------|-------|-------|----|
|  |  | 50  | 50 | 15.25 | 15.16 | 15.2  | 16 |
|  |  | 100 | 0  | 15.25 | 15.24 | 15.24 | 16 |

| LTE Band 2 Receiver off (body or limbs) |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                                  | QPSK       | 1       | 0         | 21.02                | 20.98   | 20.93   | 21.5    |
|   |            | 1       | 2         | 21.25                | 19.76   | 20.69   | 21.5    |
|   |            | 1       | 5         | 20.86                | 20.85   | 20.94   | 21.5    |
|   |            | 3       | 0         | 20.97                | 20.98   | 20.94   | 21.5    |
|   |            | 3       | 2         | 21.14                | 21.23   | 20.55   | 21.5    |
|   |            | 3       | 3         | 21.08                | 20.9    | 20.68   | 21.5    |
|   |            | 6       | 0         | 21.2                 | 20.85   | 20.88   | 21.5    |
|   | 16QAM      | 1       | 0         | 21.09                | 21.02   | 21.23   | 21.5    |
|   |            | 1       | 2         | 20.85                | 21.21   | 21.16   | 21.5    |
|   |            | 1       | 5         | 21.08                | 21.34   | 21.06   | 21.5    |
|   |            | 3       | 0         | 21.09                | 20.75   | 20.85   | 21.5    |
|   |            | 3       | 2         | 21.15                | 21.03   | 20.92   | 21.5    |
|   |            | 3       | 3         | 21.03                | 20.96   | 20.95   | 21.5    |
|   |            | 6       | 0         | 21.22                | 20.92   | 20.81   | 21.5    |
|   | 64QAM      | 1       | 0         | 21.06                | 21.02   | 21.04   | 21.5    |
|   |            | 1       | 2         | 20.42                | 20.6    | 20.66   | 21.5    |
|   |            | 1       | 5         | 21.07                | 21.01   | 20.99   | 21.5    |
|   |            | 3       | 0         | 20.98                | 21      | 21.02   | 21.5    |
|   |            | 3       | 2         | 20.35                | 20.54   | 20.64   | 21.5    |
|   |            | 3       | 3         | 21.07                | 20.99   | 20.91   | 21.5    |
|   |            | 6       | 0         | 20.16                | 20.24   | 20.23   | 21      |
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz                                    | QPSK       | 1       | 0         | 20.9                 | 20.83   | 20.96   | 21.5    |
|   |            | 1       | 7         | 20.67                | 20.12   | 20.18   | 21.5    |
|   |            | 1       | 14        | 20.99                | 20.87   | 20.94   | 21.5    |
|   |            | 8       | 0         | 20.74                | 20.68   | 20.59   | 21.5    |
|   |            | 8       | 4         | 20.84                | 20.71   | 20.82   | 21.5    |
|   |            | 8       | 7         | 21.05                | 20.9    | 20.85   | 21.5    |
|   |            | 15      | 0         | 20.92                | 21.15   | 20.94   | 21.5    |
|   | 16QAM      | 1       | 0         | 21.11                | 21.38   | 21.38   | 21.5    |
|   |            | 1       | 7         | 20.21                | 21.53   | 18.99   | 21.5    |
|   |            | 1       | 14        | 20.95                | 21.59   | 21.39   | 21.5    |
|   |            | 8       | 0         | 20.8                 | 20.86   | 20.9    | 21.5    |
|   |            | 8       | 4         | 21.08                | 20.99   | 20.99   | 21.5    |
|   |            | 8       | 7         | 21.08                | 20.9    | 20.99   | 21.5    |
|   |            | 15      | 0         | 20.86                | 20.91   | 20.67   | 21.5    |
|   | 64QAM      | 1       | 0         | 21.1                 | 20.91   | 21      | 21.5    |
|   |            | 1       | 7         | 20.48                | 20.49   | 20.68   | 21.5    |

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|           |            | 1       | 14        | 21.14   | 20.95   | 20.91   | 21.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 0         | 20.32   | 20.16   | 20.12   | 21      |
|           |            | 8       | 4         | 20.11   | 20.19   | 20.14   | 21      |
|           |            | 8       | 7         | 20.3    | 20.2    | 20.2    | 21      |
|           |            | 15      | 0         | 20.28   | 20.23   | 20.17   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 21.01   | 20.93   | 20.79   | 21.5    |
|           |            | 1       | 13        | 20.93   | 20.91   | 20.91   | 21.5    |
|           |            | 1       | 24        | 20.84   | 21.04   | 20.97   | 21.5    |
|           |            | 12      | 0         | 20.97   | 20.97   | 20.93   | 21.5    |
|           |            | 12      | 6         | 20.82   | 20.8    | 20.88   | 21.5    |
|           |            | 12      | 13        | 21.02   | 21.02   | 20.96   | 21.5    |
|           |            | 25      | 0         | 21.02   | 20.89   | 20.86   | 21.5    |
|           | 16QAM      | 1       | 0         | 21.08   | 21.16   | 21.05   | 21.5    |
|           |            | 1       | 13        | 21.35   | 21.38   | 21.45   | 21.5    |
|           |            | 1       | 24        | 21.09   | 21.15   | 21.46   | 21.5    |
|           |            | 12      | 0         | 21.06   | 20.94   | 20.91   | 21.5    |
|           |            | 12      | 6         | 20.89   | 20.97   | 20.9    | 21.5    |
|           |            | 12      | 13        | 20.88   | 21.01   | 20.95   | 21.5    |
|           |            | 25      | 0         | 20.96   | 20.97   | 20.79   | 21.5    |
|           | 64QAM      | 1       | 0         | 21.11   | 20.92   | 21.04   | 21.5    |
|           |            | 1       | 13        | 20.36   | 20.59   | 20.58   | 21.5    |
|           |            | 1       | 24        | 21.12   | 20.89   | 20.89   | 21.5    |
|           |            | 12      | 0         | 20.19   | 20.18   | 20.21   | 21      |
|           |            | 12      | 6         | 20.14   | 20.14   | 20.11   | 21      |
|           |            | 12      | 13        | 20.24   | 20.17   | 20.18   | 21      |
|           |            | 25      | 0         | 20.21   | 20.13   | 20.22   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.97   | 20.99   | 21.01   | 21.5    |
|           |            | 1       | 25        | 20.44   | 20.99   | 21.3    | 21.5    |
|           |            | 1       | 49        | 20.91   | 20.78   | 20.83   | 21.5    |
|           |            | 25      | 0         | 20.95   | 20.95   | 20.94   | 21.5    |
|           |            | 25      | 13        | 20.9    | 20.94   | 21.03   | 21.5    |
|           |            | 25      | 25        | 21      | 20.9    | 20.98   | 21.5    |
|           |            | 50      | 0         | 20.95   | 20.96   | 20.97   | 21.5    |
|           | 16QAM      | 1       | 0         | 21.44   | 20.82   | 21.16   | 21.5    |
|           |            | 1       | 25        | 21.27   | 21.31   | 20.75   | 21.5    |
|           |            | 1       | 49        | 21.15   | 21.32   | 21.11   | 21.5    |
|           |            | 25      | 0         | 20.89   | 20.89   | 20.99   | 21.5    |
|           |            | 25      | 13        | 20.78   | 20.85   | 20.78   | 21.5    |
|           |            | 25      | 25        | 20.97   | 20.79   | 20.93   | 21.5    |
|           |            | 50      | 0         | 20.88   | 20.76   | 20.72   | 21.5    |
|           | 64QAM      | 1       | 0         | 21.03   | 20.94   | 21.01   | 21.5    |
|           |            | 1       | 25        | 20.35   | 20.6    | 20.69   | 21.5    |
|           |            | 1       | 49        | 21.02   | 21      | 20.93   | 21.5    |

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|           |            | 25      | 0         | 20.26   | 20.2    | 20.09   | 21      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 13        | 20.11   | 20.07   | 20.09   | 21      |
|           |            | 25      | 25        | 20.3    | 20.21   | 20.16   | 21      |
|           |            | 50      | 0         | 20.26   | 20.12   | 20.26   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 20.96   | 21      | 20.81   | 21.5    |
|           |            | 1       | 38        | 21.04   | 20.95   | 20.9    | 21.5    |
|           |            | 1       | 74        | 20.74   | 20.81   | 20.88   | 21.5    |
|           |            | 36      | 0         | 20.96   | 20.99   | 21      | 21.5    |
|           |            | 36      | 18        | 20.93   | 20.9    | 20.97   | 21.5    |
|           |            | 36      | 39        | 21      | 20.99   | 20.97   | 21.5    |
|           |            | 75      | 0         | 20.99   | 20.97   | 20.95   | 21.5    |
|           | 16QAM      | 1       | 0         | 21.52   | 21.44   | 21.19   | 21.5    |
|           |            | 1       | 38        | 21.47   | 21.16   | 21.07   | 21.5    |
|           |            | 1       | 74        | 20.99   | 21.32   | 21.3    | 21.5    |
|           |            | 36      | 0         | 20.91   | 20.91   | 20.92   | 21.5    |
|           |            | 36      | 18        | 20.97   | 20.98   | 20.89   | 21.5    |
|           |            | 36      | 39        | 20.83   | 20.93   | 20.91   | 21.5    |
|           |            | 75      | 0         | 20.96   | 20.92   | 20.91   | 21.5    |
|           | 64QAM      | 1       | 0         | 21.07   | 21.02   | 21.01   | 21.5    |
|           |            | 1       | 38        | 20.45   | 20.48   | 20.59   | 21.5    |
|           |            | 1       | 74        | 21.02   | 21.02   | 20.94   | 21.5    |
|           |            | 36      | 0         | 20.27   | 20.17   | 20.17   | 21      |
|           |            | 36      | 18        | 20.11   | 20.15   | 20.21   | 21      |
|           |            | 36      | 39        | 20.28   | 20.13   | 20.21   | 21      |
|           |            | 75      | 0         | 20.2    | 20.23   | 20.25   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 21.06   | 21.26   | 20.95   | 21.5    |
|           |            | 1       | 50        | 20.61   | 20.77   | 20.84   | 21.5    |
|           |            | 1       | 99        | 20.94   | 20.93   | 20.93   | 21.5    |
|           |            | 50      | 0         | 21.06   | 21.07   | 20.97   | 21.5    |
|           |            | 50      | 25        | 20.96   | 20.92   | 20.94   | 21.5    |
|           |            | 50      | 50        | 21.06   | 20.94   | 20.95   | 21.5    |
|           |            | 100     | 0         | 21.07   | 21      | 20.92   | 21.5    |
|           | 16QAM      | 1       | 0         | 21.23   | 21.67   | 20.8    | 21.5    |
|           |            | 1       | 50        | 20.66   | 21.21   | 20.95   | 21.5    |
|           |            | 1       | 99        | 21.23   | 21.28   | 20.71   | 21.5    |
|           |            | 50      | 0         | 21.03   | 21.04   | 20.91   | 21.5    |
|           |            | 50      | 25        | 20.86   | 20.91   | 20.78   | 21.5    |
|           |            | 50      | 50        | 20.89   | 20.81   | 20.92   | 21.5    |
|           |            | 100     | 0         | 20.9    | 20.93   | 20.95   | 21.5    |
|           | 64QAM      | 1       | 0         | 21.12   | 21.04   | 21.06   | 21.5    |
|           |            | 1       | 50        | 20.49   | 20.63   | 20.71   | 21.5    |
|           |            | 1       | 99        | 21.15   | 21.04   | 21.01   | 21.5    |
|           |            | 50      | 0         | 20.32   | 20.26   | 20.24   | 21      |

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|  |  |     |    |       |       |       |    |
|--|--|-----|----|-------|-------|-------|----|
|  |  | 50  | 25 | 20.25 | 20.22 | 20.23 | 21 |
|  |  | 50  | 50 | 20.32 | 20.25 | 20.24 | 21 |
|  |  | 100 | 0  | 20.3  | 20.25 | 20.27 | 21 |

| LTE Band 2 Receiver off (body or limbs) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 17.9                 | 18.05   | 17.94   | 18.5    |
|  |            | 1       | 2         | 17.88                | 17.74   | 17.03   | 18.5    |
|  |            | 1       | 5         | 18.01                | 17.97   | 17.9    | 18.5    |
|  |            | 3       | 0         | 18.02                | 17.88   | 17.84   | 18.5    |
|  |            | 3       | 2         | 17.75                | 17.84   | 17.47   | 18.5    |
|  |            | 3       | 3         | 18.06                | 17.78   | 17.74   | 18.5    |
|  |            | 6       | 0         | 17.9                 | 17.91   | 17.83   | 18.5    |
|  | 16QAM      | 1       | 0         | 17.89                | 18.02   | 18.5    | 18.5    |
|  |            | 1       | 2         | 17.77                | 17.49   | 17.02   | 18.5    |
|  |            | 1       | 5         | 18.24                | 18.18   | 18.03   | 18.5    |
|  |            | 3       | 0         | 17.82                | 17.91   | 17.86   | 18.5    |
|  |            | 3       | 2         | 17.99                | 17.3    | 17.52   | 18.5    |
|  |            | 3       | 3         | 17.8                 | 17.77   | 17.75   | 18.5    |
|  |            | 6       | 0         | 18.05                | 17.46   | 17.89   | 18.5    |
|  | 64QAM      | 1       | 0         | 17.78                | 17.79   | 17.81   | 18.5    |
|  |            | 1       | 2         | 17.53                | 17.6    | 17.5    | 18.5    |
|  |            | 1       | 5         | 17.92                | 17.83   | 17.9    | 18.5    |
|  |            | 3       | 0         | 17.79                | 17.71   | 17.77   | 18.5    |
|  |            | 3       | 2         | 17.57                | 17.59   | 17.52   | 18.5    |
|  |            | 3       | 3         | 17.7                 | 17.54   | 17.51   | 18.5    |
|  |            | 6       | 0         | 17.73                | 17.72   | 17.78   | 18.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz   | QPSK       | 1       | 0         | 18                   | 17.92   | 17.78   | 18.5    |
|  |            | 1       | 7         | 17.91                | 17.89   | 17.58   | 18.5    |
|  |            | 1       | 14        | 17.93                | 17.78   | 17.91   | 18.5    |
|  |            | 8       | 0         | 17.82                | 17.9    | 17.82   | 18.5    |
|  |            | 8       | 4         | 17.97                | 17.62   | 17.94   | 18.5    |
|  |            | 8       | 7         | 17.78                | 17.95   | 17.75   | 18.5    |
|  |            | 15      | 0         | 18.02                | 17.92   | 17.81   | 18.5    |
|  | 16QAM      | 1       | 0         | 18.4                 | 18.34   | 17.76   | 18.5    |
|  |            | 1       | 7         | 16.68                | 18.02   | 17.72   | 18.5    |
|  |            | 1       | 14        | 17.85                | 18.08   | 18.14   | 18.5    |
|  |            | 8       | 0         | 18.06                | 17.97   | 17.83   | 18.5    |
|  |            | 8       | 4         | 17.88                | 18.05   | 17.64   | 18.5    |
|  |            | 8       | 7         | 18                   | 17.98   | 17.72   | 18.5    |
|  |            | 15      | 0         | 17.88                | 17.82   | 17.67   | 18.5    |
|  | 64QAM      | 1       | 0         | 17.78                | 17.83   | 17.85   | 18.5    |

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|           |            | 1       | 7         | 17.56   | 17.57   | 17.48   | 18.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 14        | 17.88   | 17.86   | 17.87   | 18.5    |
|           |            | 8       | 0         | 17.8    | 17.74   | 17.74   | 18.5    |
|           |            | 8       | 4         | 17.6    | 17.54   | 17.53   | 18.5    |
|           |            | 8       | 7         | 17.67   | 17.57   | 17.53   | 18.5    |
|           |            | 15      | 0         | 17.68   | 17.71   | 17.75   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.96   | 17.9    | 17.89   | 18.5    |
|           |            | 1       | 13        | 17.96   | 17.98   | 17.93   | 18.5    |
|           |            | 1       | 24        | 17.8    | 17.91   | 17.99   | 18.5    |
|           |            | 12      | 0         | 17.94   | 17.94   | 17.94   | 18.5    |
|           |            | 12      | 6         | 17.87   | 17.88   | 17.86   | 18.5    |
|           |            | 12      | 13        | 17.98   | 17.97   | 17.92   | 18.5    |
|           |            | 25      | 0         | 17.99   | 17.99   | 17.84   | 18.5    |
|           | 16QAM      | 1       | 0         | 17.65   | 17.89   | 18.25   | 18.5    |
|           |            | 1       | 13        | 18.38   | 17.7    | 18.1    | 18.5    |
|           |            | 1       | 24        | 18.01   | 18.48   | 18.25   | 18.5    |
|           |            | 12      | 0         | 18.07   | 17.98   | 17.97   | 18.5    |
|           |            | 12      | 6         | 17.87   | 17.84   | 17.64   | 18.5    |
|           |            | 12      | 13        | 17.97   | 17.99   | 17.88   | 18.5    |
|           |            | 25      | 0         | 17.89   | 17.84   | 17.78   | 18.5    |
|           | 64QAM      | 1       | 0         | 17.83   | 17.83   | 17.84   | 18.5    |
|           |            | 1       | 13        | 17.52   | 17.61   | 17.54   | 18.5    |
|           |            | 1       | 24        | 17.93   | 17.82   | 17.88   | 18.5    |
|           |            | 12      | 0         | 17.8    | 17.71   | 17.69   | 18.5    |
|           |            | 12      | 6         | 17.62   | 17.58   | 17.58   | 18.5    |
|           |            | 12      | 13        | 17.64   | 17.62   | 17.55   | 18.5    |
|           |            | 25      | 0         | 17.75   | 17.71   | 17.71   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.03   | 18.01   | 17.82   | 18.5    |
|           |            | 1       | 25        | 17.66   | 17.71   | 17.65   | 18.5    |
|           |            | 1       | 49        | 17.85   | 17.89   | 17.89   | 18.5    |
|           |            | 25      | 0         | 18.02   | 18.03   | 17.92   | 18.5    |
|           |            | 25      | 13        | 17.74   | 17.75   | 17.89   | 18.5    |
|           |            | 25      | 25        | 17.97   | 17.95   | 17.83   | 18.5    |
|           |            | 50      | 0         | 17.92   | 17.92   | 17.86   | 18.5    |
|           | 16QAM      | 1       | 0         | 17.86   | 18.26   | 18.33   | 18.5    |
|           |            | 1       | 25        | 17.98   | 17.95   | 17.49   | 18.5    |
|           |            | 1       | 49        | 18.33   | 18.19   | 18      | 18.5    |
|           |            | 25      | 0         | 17.96   | 17.84   | 17.83   | 18.5    |
|           |            | 25      | 13        | 17.9    | 17.91   | 17.75   | 18.5    |
|           |            | 25      | 25        | 17.83   | 17.79   | 17.83   | 18.5    |
|           |            | 50      | 0         | 17.81   | 17.88   | 17.75   | 18.5    |
|           | 64QAM      | 1       | 0         | 17.86   | 17.77   | 17.81   | 18.5    |
|           |            | 1       | 25        | 17.56   | 17.55   | 17.46   | 18.5    |

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|           |            | 1       | 49        | 17.92         | 17.81         | 17.82         | 18.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 25      | 0         | 17.74         | 17.78         | 17.77         | 18.5    |
|           |            | 25      | 13        | 17.57         | 17.57         | 17.6          | 18.5    |
|           |            | 25      | 25        | 17.69         | 17.6          | 17.55         | 18.5    |
|           |            | 50      | 0         | 17.75         | 17.71         | 17.78         | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 18675 | Channel 18900 | Channel 19125 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 17.91         | 17.98         | 17.99         | 18.5    |
|           |            | 1       | 38        | 18.01         | 18.06         | 18.02         | 18.5    |
|           |            | 1       | 74        | 17.75         | 17.88         | 17.69         | 18.5    |
|           |            | 36      | 0         | 18.01         | 17.99         | 17.97         | 18.5    |
|           |            | 36      | 18        | 17.92         | 17.97         | 17.83         | 18.5    |
|           |            | 36      | 39        | 17.96         | 17.92         | 17.91         | 18.5    |
|           |            | 75      | 0         | 17.97         | 17.95         | 17.87         | 18.5    |
|           | 16QAM      | 1       | 0         | 18.42         | 18.33         | 18.3          | 18.5    |
|           |            | 1       | 38        | 18.02         | 18.23         | 17.99         | 18.5    |
|           |            | 1       | 74        | 18.22         | 17.91         | 18.11         | 18.5    |
|           |            | 36      | 0         | 17.95         | 17.92         | 17.85         | 18.5    |
|           |            | 36      | 18        | 17.89         | 17.9          | 17.84         | 18.5    |
|           |            | 36      | 39        | 17.85         | 17.78         | 17.84         | 18.5    |
|           |            | 75      | 0         | 17.83         | 17.88         | 17.99         | 18.5    |
|           | 64QAM      | 1       | 0         | 17.78         | 17.75         | 17.89         | 18.5    |
|           |            | 1       | 38        | 17.51         | 17.58         | 17.51         | 18.5    |
|           |            | 1       | 74        | 17.86         | 17.85         | 17.85         | 18.5    |
|           |            | 36      | 0         | 17.77         | 17.78         | 17.72         | 18.5    |
|           |            | 36      | 18        | 17.58         | 17.56         | 17.58         | 18.5    |
|           |            | 36      | 39        | 17.64         | 17.62         | 17.51         | 18.5    |
|           |            | 75      | 0         | 17.7          | 17.65         | 17.7          | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 18700 | Channel 18900 | Channel 19100 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 18.11         | 18.11         | 18.05         | 18.5    |
|           |            | 1       | 50        | 18.37         | 17.95         | 17.97         | 18.5    |
|           |            | 1       | 99        | 18            | 17.95         | 17.97         | 18.5    |
|           |            | 50      | 0         | 18.07         | 17.98         | 17.89         | 18.5    |
|           |            | 50      | 25        | 18.01         | 17.88         | 17.9          | 18.5    |
|           |            | 50      | 50        | 18.01         | 17.98         | 17.86         | 18.5    |
|           |            | 100     | 0         | 18.02         | 17.99         | 17.93         | 18.5    |
|           | 16QAM      | 1       | 0         | 18.35         | 18.48         | 18.21         | 18.5    |
|           |            | 1       | 50        | 18.34         | 18.3          | 18.01         | 18.5    |
|           |            | 1       | 99        | 18.3          | 17.78         | 18.45         | 18.5    |
|           |            | 50      | 0         | 18            | 17.95         | 17.93         | 18.5    |
|           |            | 50      | 25        | 17.94         | 17.82         | 17.78         | 18.5    |
|           |            | 50      | 50        | 17.96         | 17.88         | 17.94         | 18.5    |
|           |            | 100     | 0         | 17.89         | 17.88         | 17.79         | 18.5    |
|           | 64QAM      | 1       | 0         | 17.85         | 17.76         | 17.86         | 18.5    |
|           |            | 1       | 50        | 17.5          | 17.61         | 17.49         | 18.5    |
|           |            | 1       | 99        | 17.95         | 17.81         | 17.9          | 18.5    |

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|  |  |     |    |       |       |       |      |
|--|--|-----|----|-------|-------|-------|------|
|  |  | 50  | 0  | 17.76 | 17.79 | 17.77 | 18.5 |
|  |  | 50  | 25 | 17.64 | 17.5  | 17.54 | 18.5 |
|  |  | 50  | 50 | 17.7  | 17.62 | 17.54 | 18.5 |
|  |  | 100 | 0  | 17.69 | 17.73 | 17.74 | 18.5 |

| LTE Band 2 Receiver off (body or limbs) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 15.76                | 15.95   | 15.97   | 16.5    |
|  |            | 1       | 2         | 16.33                | 15.9    | 15.82   | 16.5    |
|  |            | 1       | 5         | 16                   | 16      | 15.96   | 16.5    |
|  |            | 3       | 0         | 16.06                | 16.05   | 15.37   | 16.5    |
|  |            | 3       | 2         | 15.18                | 15.69   | 16.08   | 16.5    |
|  |            | 3       | 3         | 15.37                | 15.95   | 15.67   | 16.5    |
|  |            | 6       | 0         | 15.75                | 15.88   | 15.94   | 16.5    |
|  | 16QAM      | 1       | 0         | 16.1                 | 16.14   | 16.23   | 16.5    |
|  |            | 1       | 2         | 16.17                | 16.36   | 16.49   | 16.5    |
|  |            | 1       | 5         | 16.15                | 16.43   | 16.45   | 16.5    |
|  |            | 3       | 0         | 16.22                | 16.2    | 15.78   | 16.5    |
|  |            | 3       | 2         | 16.18                | 16.08   | 15.9    | 16.5    |
|  |            | 3       | 3         | 16.18                | 15.96   | 16.11   | 16.5    |
|  |            | 6       | 0         | 16.04                | 15.84   | 15.85   | 16.5    |
|  | 64QAM      | 1       | 0         | 15.72                | 15.74   | 15.8    | 16.5    |
|  |            | 1       | 2         | 15.45                | 15.57   | 15.49   | 16.5    |
|  |            | 1       | 5         | 15.84                | 15.82   | 15.87   | 16.5    |
|  |            | 3       | 0         | 15.72                | 15.66   | 15.71   | 16.5    |
|  |            | 3       | 2         | 15.51                | 15.57   | 15.45   | 16.5    |
|  |            | 3       | 3         | 15.6                 | 15.48   | 15.49   | 16.5    |
|  |            | 6       | 0         | 15.67                | 15.64   | 15.69   | 16.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz   | QPSK       | 1       | 0         | 15.94                | 15.95   | 15.81   | 16.5    |
|  |            | 1       | 7         | 15.32                | 15.17   | 16.14   | 16.5    |
|  |            | 1       | 14        | 15.97                | 15.86   | 15.81   | 16.5    |
|  |            | 8       | 0         | 16                   | 16.01   | 15.82   | 16.5    |
|  |            | 8       | 4         | 15.76                | 15.86   | 15.71   | 16.5    |
|  |            | 8       | 7         | 15.68                | 15.71   | 15.81   | 16.5    |
|  |            | 15      | 0         | 16.06                | 15.95   | 15.92   | 16.5    |
|  | 16QAM      | 1       | 0         | 16.4                 | 16.15   | 15.69   | 16.5    |
|  |            | 1       | 7         | 15.65                | 14.94   | 15.7    | 16.5    |
|  |            | 1       | 14        | 16.23                | 16.36   | 16.49   | 16.5    |
|  |            | 8       | 0         | 15.83                | 15.86   | 15.83   | 16.5    |
|  |            | 8       | 4         | 15.86                | 15.82   | 15.7    | 16.5    |
|  |            | 8       | 7         | 15.97                | 15.91   | 15.84   | 16.5    |
|  |            | 15      | 0         | 16.05                | 16.02   | 15.69   | 16.5    |

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|           | 64QAM      | 1       | 0         | 15.72         | 15.74         | 15.8          | 16.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 7         | 15.45         | 15.57         | 15.49         | 16.5    |
|           |            | 1       | 14        | 15.84         | 15.82         | 15.87         | 16.5    |
|           |            | 8       | 0         | 15.72         | 15.66         | 15.71         | 16.5    |
|           |            | 8       | 4         | 15.51         | 15.57         | 15.45         | 16.5    |
|           |            | 8       | 7         | 15.6          | 15.48         | 15.49         | 16.5    |
|           |            | 15      | 0         | 15.67         | 15.64         | 15.69         | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 18625 | Channel 18900 | Channel 19175 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 16.12         | 15.87         | 15.94         | 16.5    |
|           |            | 1       | 13        | 15.94         | 16            | 15.76         | 16.5    |
|           |            | 1       | 24        | 16.02         | 15.87         | 15.96         | 16.5    |
|           |            | 12      | 0         | 16.08         | 16.01         | 15.99         | 16.5    |
|           |            | 12      | 6         | 16.07         | 15.86         | 16.01         | 16.5    |
|           |            | 12      | 13        | 16.03         | 15.94         | 15.88         | 16.5    |
|           |            | 25      | 0         | 16.03         | 15.96         | 15.9          | 16.5    |
|           | 16QAM      | 1       | 0         | 16.32         | 16.48         | 16.4          | 16.5    |
|           |            | 1       | 13        | 16.41         | 16.27         | 15.7          | 16.5    |
|           |            | 1       | 24        | 16.14         | 15.82         | 16.22         | 16.5    |
|           |            | 12      | 0         | 15.99         | 15.91         | 15.9          | 16.5    |
|           |            | 12      | 6         | 15.57         | 15.99         | 15.87         | 16.5    |
|           |            | 12      | 13        | 15.92         | 16.07         | 15.89         | 16.5    |
|           |            | 25      | 0         | 15.93         | 15.84         | 15.74         | 16.5    |
|           | 64QAM      | 1       | 0         | 15.72         | 15.74         | 15.8          | 16.5    |
|           |            | 1       | 13        | 15.45         | 15.57         | 15.49         | 16.5    |
|           |            | 1       | 24        | 15.84         | 15.82         | 15.87         | 16.5    |
|           |            | 12      | 0         | 15.72         | 15.66         | 15.71         | 16.5    |
|           |            | 12      | 6         | 15.51         | 15.57         | 15.45         | 16.5    |
|           |            | 12      | 13        | 15.6          | 15.48         | 15.49         | 16.5    |
|           |            | 25      | 0         | 15.67         | 15.64         | 15.69         | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 18650 | Channel 18900 | Channel 19150 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 16.1          | 15.96         | 15.92         | 16.5    |
|           |            | 1       | 25        | 15.88         | 15.76         | 15.68         | 16.5    |
|           |            | 1       | 49        | 15.93         | 15.92         | 15.92         | 16.5    |
|           |            | 25      | 0         | 15.96         | 15.92         | 15.94         | 16.5    |
|           |            | 25      | 13        | 15.93         | 15.9          | 16            | 16.5    |
|           |            | 25      | 25        | 15.9          | 15.88         | 15.83         | 16.5    |
|           |            | 50      | 0         | 15.97         | 15.94         | 15.97         | 16.5    |
|           | 16QAM      | 1       | 0         | 16.44         | 16.47         | 16.44         | 16.5    |
|           |            | 1       | 25        | 16.17         | 15.86         | 15.69         | 16.5    |
|           |            | 1       | 49        | 15.99         | 16.12         | 16.22         | 16.5    |
|           |            | 25      | 0         | 15.78         | 15.92         | 15.97         | 16.5    |
|           |            | 25      | 13        | 15.88         | 15.96         | 15.87         | 16.5    |
|           |            | 25      | 25        | 15.96         | 15.87         | 15.9          | 16.5    |
|           |            | 50      | 0         | 15.97         | 15.81         | 15.85         | 16.5    |
|           | 64QAM      | 1       | 0         | 15.72         | 15.74         | 15.8          | 16.5    |

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|           |            | 1       | 25        | 15.45   | 15.57   | 15.49   | 16.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 49        | 15.84   | 15.82   | 15.87   | 16.5    |
|           |            | 25      | 0         | 15.72   | 15.66   | 15.71   | 16.5    |
|           |            | 25      | 13        | 15.51   | 15.57   | 15.45   | 16.5    |
|           |            | 25      | 25        | 15.6    | 15.48   | 15.49   | 16.5    |
|           |            | 50      | 0         | 15.67   | 15.64   | 15.69   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.98   | 15.93   | 15.89   | 16.5    |
|           |            | 1       | 38        | 16.2    | 15.96   | 16.08   | 16.5    |
|           |            | 1       | 74        | 15.7    | 15.85   | 15.82   | 16.5    |
|           |            | 36      | 0         | 16.03   | 16.06   | 15.9    | 16.5    |
|           |            | 36      | 18        | 16      | 15.97   | 16.04   | 16.5    |
|           |            | 36      | 39        | 16.06   | 15.98   | 15.88   | 16.5    |
|           |            | 75      | 0         | 16      | 15.95   | 16.03   | 16.5    |
|           | 16QAM      | 1       | 0         | 16.37   | 16.08   | 16.32   | 16.5    |
|           |            | 1       | 38        | 16.22   | 15.94   | 16.35   | 16.5    |
|           |            | 1       | 74        | 16.3    | 15.63   | 16.11   | 16.5    |
|           |            | 36      | 0         | 15.98   | 15.95   | 15.94   | 16.5    |
|           |            | 36      | 18        | 15.87   | 15.99   | 15.92   | 16.5    |
|           |            | 36      | 39        | 15.93   | 15.92   | 15.73   | 16.5    |
|           |            | 75      | 0         | 15.96   | 15.83   | 15.82   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.72   | 15.74   | 15.8    | 16.5    |
|           |            | 1       | 38        | 15.45   | 15.57   | 15.49   | 16.5    |
|           |            | 1       | 74        | 15.84   | 15.82   | 15.87   | 16.5    |
|           |            | 36      | 0         | 15.72   | 15.66   | 15.71   | 16.5    |
|           |            | 36      | 18        | 15.51   | 15.57   | 15.45   | 16.5    |
|           |            | 36      | 39        | 15.6    | 15.48   | 15.49   | 16.5    |
|           |            | 75      | 0         | 15.67   | 15.64   | 15.69   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 16.14   | 16.08   | 15.92   | 16.5    |
|           |            | 1       | 50        | 15.56   | 15.24   | 15.29   | 16.5    |
|           |            | 1       | 99        | 15.98   | 15.93   | 15.95   | 16.5    |
|           |            | 50      | 0         | 15.99   | 15.97   | 15.94   | 16.5    |
|           |            | 50      | 25        | 15.83   | 15.98   | 15.88   | 16.5    |
|           |            | 50      | 50        | 15.88   | 15.93   | 15.88   | 16.5    |
|           |            | 100     | 0         | 16.06   | 15.97   | 15.91   | 16.5    |
|           | 16QAM      | 1       | 0         | 16.23   | 16.29   | 15.95   | 16.5    |
|           |            | 1       | 50        | 15.42   | 16.14   | 15.91   | 16.5    |
|           |            | 1       | 99        | 16.38   | 16.04   | 16.3    | 16.5    |
|           |            | 50      | 0         | 16.01   | 15.99   | 15.77   | 16.5    |
|           |            | 50      | 25        | 15.8    | 15.92   | 15.77   | 16.5    |
|           |            | 50      | 50        | 15.85   | 15.85   | 15.76   | 16.5    |
|           |            | 100     | 0         | 15.92   | 15.82   | 15.87   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.72   | 15.74   | 15.8    | 16.5    |
|           |            | 1       | 50        | 15.45   | 15.57   | 15.49   | 16.5    |

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|  |  |     |    |       |       |       |      |
|--|--|-----|----|-------|-------|-------|------|
|  |  | 1   | 99 | 15.84 | 15.82 | 15.87 | 16.5 |
|  |  | 50  | 0  | 15.72 | 15.66 | 15.71 | 16.5 |
|  |  | 50  | 25 | 15.51 | 15.57 | 15.45 | 16.5 |
|  |  | 50  | 50 | 15.6  | 15.48 | 15.49 | 16.5 |
|  |  | 100 | 0  | 15.67 | 15.64 | 15.69 | 16.5 |

| LTE Band 2 Receiver on(Left head) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 14.03                | 14.01   | 14.14   | 15      |
|  |            | 1       | 2         | 14.42                | 14.16   | 13.84   | 15      |
|  |            | 1       | 5         | 14.19                | 14.1    | 14.08   | 15      |
|  |            | 3       | 0         | 14.29                | 13.72   | 14.2    | 15      |
|  |            | 3       | 2         | 13.78                | 14.36   | 14.17   | 15      |
|  |            | 3       | 3         | 14.02                | 14.04   | 14.19   | 15      |
|  |            | 6       | 0         | 14.19                | 14.14   | 13.85   | 15      |
|  | 16QAM      | 1       | 0         | 14.03                | 14.44   | 14.22   | 15      |
|  |            | 1       | 2         | 13.88                | 13.44   | 14.59   | 15      |
|  |            | 1       | 5         | 14.61                | 14.53   | 14.74   | 15      |
|  |            | 3       | 0         | 14.13                | 14.32   | 14.08   | 15      |
|  |            | 3       | 2         | 14.27                | 14.02   | 13.85   | 15      |
|  |            | 3       | 3         | 14.36                | 14.05   | 14.5    | 15      |
|  |            | 6       | 0         | 14.25                | 14      | 13.99   | 15      |
|  | 64QAM      | 1       | 0         | 14.18                | 14.23   | 14.23   | 15      |
|  |            | 1       | 2         | 13.92                | 14      | 13.93   | 15      |
|  |            | 1       | 5         | 14.27                | 14.31   | 14.29   | 15      |
|  |            | 3       | 0         | 14.14                | 14.08   | 14.16   | 15      |
|  |            | 3       | 2         | 13.93                | 14.05   | 13.87   | 15      |
|  |            | 3       | 3         | 14.03                | 13.92   | 13.91   | 15      |
|  |            | 6       | 0         | 14.08                | 14.1    | 14.16   | 15      |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz   | QPSK       | 1       | 0         | 14.22                | 14.36   | 14.29   | 15      |
|  |            | 1       | 7         | 13.94                | 13.72   | 13.94   | 15      |
|  |            | 1       | 14        | 14.16                | 14.15   | 14.03   | 15      |
|  |            | 8       | 0         | 14.26                | 14.23   | 13.99   | 15      |
|  |            | 8       | 4         | 14.01                | 14.26   | 13.97   | 15      |
|  |            | 8       | 7         | 14.14                | 14.22   | 14.16   | 15      |
|  |            | 15      | 0         | 14.21                | 14.17   | 14.17   | 15      |
|  | 16QAM      | 1       | 0         | 14.59                | 14.76   | 14.47   | 15      |
|  |            | 1       | 7         | 14.41                | 14.43   | 13.13   | 15      |
|  |            | 1       | 14        | 14.66                | 14.51   | 14.43   | 15      |
|  |            | 8       | 0         | 14.07                | 13.83   | 13.98   | 15      |
|  |            | 8       | 4         | 14.18                | 14.12   | 14.21   | 15      |
|  |            | 8       | 7         | 14.27                | 14.03   | 14.18   | 15      |

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|           |            | 15      | 0         | 14.11            | 14.02            | 14.15            | 15      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 0         | 14.18            | 14.15            | 14.24            | 15      |
|           |            | 1       | 7         | 13.91            | 14.02            | 13.95            | 15      |
|           |            | 1       | 14        | 14.34            | 14.29            | 14.37            | 15      |
|           |            | 8       | 0         | 14.21            | 14.08            | 14.15            | 15      |
|           |            | 8       | 4         | 13.94            | 13.99            | 13.9             | 15      |
|           |            | 8       | 7         | 14.02            | 13.98            | 13.91            | 15      |
|           |            | 15      | 0         | 14.14            | 14.08            | 14.1             | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18625 | Channel<br>18900 | Channel<br>19175 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 14.32            | 14.21            | 13.93            | 15      |
|           |            | 1       | 13        | 14.24            | 14               | 14.24            | 15      |
|           |            | 1       | 24        | 14.1             | 14.21            | 14.37            | 15      |
|           |            | 12      | 0         | 14.21            | 14.19            | 14.13            | 15      |
|           |            | 12      | 6         | 14.22            | 14.16            | 14.14            | 15      |
|           |            | 12      | 13        | 14.19            | 14.14            | 14.11            | 15      |
|           |            | 25      | 0         | 14.23            | 14.18            | 14.1             | 15      |
|           | 16QAM      | 1       | 0         | 14.81            | 14.31            | 14.22            | 15      |
|           |            | 1       | 13        | 14.37            | 14.7             | 14.45            | 15      |
|           |            | 1       | 24        | 14.68            | 14.5             | 14.47            | 15      |
|           |            | 12      | 0         | 14.27            | 14.13            | 14.26            | 15      |
|           |            | 12      | 6         | 14.18            | 14.3             | 14.24            | 15      |
|           |            | 12      | 13        | 14.22            | 14.16            | 14.16            | 15      |
|           |            | 25      | 0         | 14.25            | 13.95            | 14.06            | 15      |
|           | 64QAM      | 1       | 0         | 14.13            | 14.2             | 14.28            | 15      |
|           |            | 1       | 13        | 13.92            | 14.03            | 13.95            | 15      |
|           |            | 1       | 24        | 14.28            | 14.26            | 14.37            | 15      |
|           |            | 12      | 0         | 14.19            | 14.07            | 14.16            | 15      |
|           |            | 12      | 6         | 13.93            | 13.98            | 13.95            | 15      |
|           |            | 12      | 13        | 14.04            | 13.89            | 13.91            | 15      |
|           |            | 25      | 0         | 14.08            | 14.11            | 14.15            | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18650 | Channel<br>18900 | Channel<br>19150 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 14.16            | 14.28            | 14.25            | 15      |
|           |            | 1       | 25        | 13.9             | 13.85            | 13.66            | 15      |
|           |            | 1       | 49        | 14.16            | 14.08            | 14.03            | 15      |
|           |            | 25      | 0         | 14.07            | 14.27            | 14.13            | 15      |
|           |            | 25      | 13        | 14.16            | 14.19            | 14.29            | 15      |
|           |            | 25      | 25        | 14.16            | 14.2             | 14.19            | 15      |
|           |            | 50      | 0         | 14.11            | 14.04            | 14.18            | 15      |
|           | 16QAM      | 1       | 0         | 14.38            | 14.73            | 14.31            | 15      |
|           |            | 1       | 25        | 13.87            | 15.08            | 14.58            | 15      |
|           |            | 1       | 49        | 14.77            | 14.72            | 14.84            | 15      |
|           |            | 25      | 0         | 14.17            | 14.08            | 14.1             | 15      |
|           |            | 25      | 13        | 13.95            | 14.03            | 14.19            | 15      |
|           |            | 25      | 25        | 14.15            | 14.11            | 14.1             | 15      |
|           |            | 50      | 0         | 14.08            | 14.01            | 14.01            | 15      |

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|           | 64QAM      | 1       | 0         | 14.17            | 14.18            | 14.23            | 15      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 25        | 13.88            | 14.05            | 13.92            | 15      |
|           |            | 1       | 49        | 14.29            | 14.24            | 14.36            | 15      |
|           |            | 25      | 0         | 14.2             | 14.08            | 14.12            | 15      |
|           |            | 25      | 13        | 13.97            | 14.03            | 13.92            | 15      |
|           |            | 25      | 25        | 14.05            | 13.96            | 13.91            | 15      |
|           |            | 50      | 0         | 14.09            | 14.07            | 14.17            | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18675 | Channel<br>18900 | Channel<br>19125 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 14.18            | 14.18            | 14.11            | 15      |
|           |            | 1       | 38        | 14.24            | 14.17            | 14.25            | 15      |
|           |            | 1       | 74        | 13.88            | 14.09            | 14.06            | 15      |
|           |            | 36      | 0         | 14.22            | 14.25            | 14.18            | 15      |
|           |            | 36      | 18        | 14.19            | 14.17            | 14.18            | 15      |
|           |            | 36      | 39        | 14.23            | 14.21            | 14.21            | 15      |
|           |            | 75      | 0         | 14.16            | 14.16            | 14.22            | 15      |
|           | 16QAM      | 1       | 0         | 14.73            | 14.4             | 14.53            | 15      |
|           |            | 1       | 38        | 14.36            | 14.75            | 14.7             | 15      |
|           |            | 1       | 74        | 14.39            | 14.51            | 14.47            | 15      |
|           |            | 36      | 0         | 14.26            | 14.25            | 14.3             | 15      |
|           |            | 36      | 18        | 14.15            | 14.28            | 14.16            | 15      |
|           |            | 36      | 39        | 14.04            | 14.16            | 14.09            | 15      |
|           |            | 75      | 0         | 14.16            | 14.09            | 14.17            | 15      |
|           | 64QAM      | 1       | 0         | 14.15            | 14.14            | 14.26            | 15      |
|           |            | 1       | 38        | 13.93            | 13.98            | 13.92            | 15      |
|           |            | 1       | 74        | 14.28            | 14.26            | 14.33            | 15      |
|           |            | 36      | 0         | 14.2             | 14.07            | 14.2             | 15      |
|           |            | 36      | 18        | 14               | 14.05            | 13.92            | 15      |
|           |            | 36      | 39        | 14.09            | 13.97            | 13.97            | 15      |
|           |            | 75      | 0         | 14.17            | 14.06            | 14.18            | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18700 | Channel<br>18900 | Channel<br>19100 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 14.36            | 14.37            | 14.37            | 15      |
|           |            | 1       | 50        | 14.23            | 13.88            | 13.98            | 15      |
|           |            | 1       | 99        | 14.3             | 14.18            | 14               | 15      |
|           |            | 50      | 0         | 14.27            | 14.28            | 14.36            | 15      |
|           |            | 50      | 25        | 14.24            | 14.09            | 14.16            | 15      |
|           |            | 50      | 50        | 14.13            | 14.13            | 14.23            | 15      |
|           |            | 100     | 0         | 14.15            | 14.09            | 14.12            | 15      |
|           | 16QAM      | 1       | 0         | 14.83            | 15.1             | 14.88            | 15      |
|           |            | 1       | 50        | 14.25            | 14.72            | 14.3             | 15      |
|           |            | 1       | 99        | 14.36            | 14.13            | 14.62            | 15      |
|           |            | 50      | 0         | 14.25            | 14.3             | 14.07            | 15      |
|           |            | 50      | 25        | 14.16            | 14.06            | 14.12            | 15      |
|           |            | 50      | 50        | 13.97            | 14.05            | 14.06            | 15      |
|           |            | 100     | 0         | 14.09            | 14.21            | 14.19            | 15      |
|           | 64QAM      | 1       | 0         | 14.21            | 14.19            | 14.21            | 15      |

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|  |  |     |    |       |       |       |    |
|--|--|-----|----|-------|-------|-------|----|
|  |  | 1   | 50 | 13.85 | 14.06 | 13.9  | 15 |
|  |  | 1   | 99 | 14.25 | 14.22 | 14.32 | 15 |
|  |  | 50  | 0  | 14.14 | 14.14 | 14.14 | 15 |
|  |  | 50  | 25 | 13.93 | 14.07 | 13.88 | 15 |
|  |  | 50  | 50 | 14.01 | 13.95 | 13.97 | 15 |
|  |  | 100 | 0  | 14.11 | 14.12 | 14.12 | 15 |

| LTE Band 2 Receiver on(Right head) + hotspot<br>2.4G |            |         |           | Conducted Power(dBm) |                  |                  |         |
|--|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel<br>18607     | Channel<br>18900 | Channel<br>19193 | Tune up |
| 1.4MHz   | QPSK       | 1       | 0         | 12.26                | 12.26            | 12.06            | 13      |
|  |            | 1       | 2         | 11.73                | 12.58            | 11.14            | 13      |
|  |            | 1       | 5         | 12.2                 | 12.17            | 12.28            | 13      |
|  |            | 3       | 0         | 11.91                | 12.2             | 12.03            | 13      |
|  |            | 3       | 2         | 12.27                | 12.34            | 12.05            | 13      |
|  |            | 3       | 3         | 12.19                | 12.07            | 12.12            | 13      |
|  | 16QAM      | 6       | 0         | 11.92                | 12.24            | 12.18            | 13      |
|  |            | 1       | 0         | 12.55                | 12.41            | 12.48            | 13      |
|  |            | 1       | 2         | 11.97                | 11.98            | 11.43            | 13      |
|  |            | 1       | 5         | 12.55                | 12.21            | 12.46            | 13      |
|  |            | 3       | 0         | 12.21                | 12.09            | 11.88            | 13      |
|  |            | 3       | 2         | 12.24                | 12.27            | 12.23            | 13      |
|  | 64QAM      | 3       | 3         | 12.3                 | 12.47            | 12.19            | 13      |
|  |            | 6       | 0         | 11.87                | 12.23            | 11.97            | 13      |
|  |            | 1       | 0         | 12.12                | 12.17            | 12.16            | 13      |
|  |            | 1       | 2         | 11.84                | 11.97            | 11.89            | 13      |
|  |            | 1       | 5         | 12.23                | 12.23            | 12.25            | 13      |
|  |            | 3       | 0         | 12.14                | 12.01            | 12.11            | 13      |
| 3MHz   | QPSK       | 3       | 2         | 11.89                | 12.05            | 11.85            | 13      |
|  |            | 3       | 3         | 12                   | 11.89            | 11.88            | 13      |
|  |            | 6       | 0         | 12.02                | 12.02            | 12.14            | 13      |
|  | 16QAM      | 1       | 0         | 12.19                | 12.15            | 12.14            | 13      |
|  |            | 1       | 7         | 10.71                | 12.81            | 11.53            | 13      |
|  |            | 1       | 14        | 12.09                | 12.12            | 12.25            | 13      |
|  | QPSK       | 8       | 0         | 12.18                | 12.19            | 12.18            | 13      |
|  |            | 8       | 4         | 12.12                | 12.14            | 11.84            | 13      |
|  |            | 8       | 7         | 12.18                | 12.16            | 11.79            | 13      |
|  |            | 15      | 0         | 12.18                | 12.23            | 12.17            | 13      |
|  | 16QAM      | 1       | 0         | 11.89                | 12.21            | 12.45            | 13      |
|  |            | 1       | 7         | 12.04                | 12.96            | 11.78            | 13      |
|  |            | 1       | 14        | 12.6                 | 12.48            | 12.53            | 13      |
|  |            | 8       | 0         | 12.16                | 12.34            | 11.96            | 13      |
|  |            | 8       | 4         | 12                   | 12.25            | 11.98            | 13      |

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|           | 64QAM      | 8       | 7         | 12.31            | 11.97            | 12               | 13      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 15      | 0         | 12.11            | 12.18            | 12.18            | 13      |
|           |            | 1       | 0         | 12.15            | 12.22            | 12.13            | 13      |
|           |            | 1       | 7         | 11.88            | 11.93            | 11.83            | 13      |
|           |            | 1       | 14        | 12.17            | 12.23            | 12.22            | 13      |
|           |            | 8       | 0         | 12.08            | 12.03            | 12.08            | 13      |
|           |            | 8       | 4         | 11.91            | 11.98            | 11.8             | 13      |
|           |            | 8       | 7         | 11.94            | 11.87            | 11.86            | 13      |
|           |            | 15      | 0         | 12.08            | 12.01            | 12.15            | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18625 | Channel<br>18900 | Channel<br>19175 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 12.2             | 12.25            | 12.14            | 13      |
|           |            | 1       | 13        | 12.18            | 12.24            | 12.14            | 13      |
|           |            | 1       | 24        | 12.04            | 12.11            | 12.21            | 13      |
|           |            | 12      | 0         | 12.32            | 12.21            | 12.19            | 13      |
|           |            | 12      | 6         | 12.14            | 11.59            | 12.19            | 13      |
|           |            | 12      | 13        | 12.09            | 12.16            | 12.15            | 13      |
|           |            | 25      | 0         | 12.28            | 12.15            | 12.15            | 13      |
|           | 16QAM      | 1       | 0         | 12.34            | 12.68            | 12.76            | 13      |
|           |            | 1       | 13        | 12.54            | 12.43            | 12.49            | 13      |
|           |            | 1       | 24        | 12.26            | 12.59            | 12.32            | 13      |
|           |            | 12      | 0         | 12.27            | 12.22            | 12.08            | 13      |
|           |            | 12      | 6         | 12.07            | 12.15            | 12.12            | 13      |
|           |            | 12      | 13        | 12.16            | 12.12            | 12.17            | 13      |
|           |            | 25      | 0         | 12.16            | 12.16            | 12.12            | 13      |
|           | 64QAM      | 1       | 0         | 12.1             | 12.2             | 12.15            | 13      |
|           |            | 1       | 13        | 11.87            | 11.96            | 11.83            | 13      |
|           |            | 1       | 24        | 12.24            | 12.23            | 12.23            | 13      |
|           |            | 12      | 0         | 12.14            | 12.04            | 12.14            | 13      |
|           |            | 12      | 6         | 11.88            | 11.97            | 11.79            | 13      |
|           |            | 12      | 13        | 11.94            | 11.89            | 11.88            | 13      |
|           |            | 25      | 0         | 12               | 12.01            | 12.16            | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18650 | Channel<br>18900 | Channel<br>19150 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 12.22            | 12.22            | 12.25            | 13      |
|           |            | 1       | 25        | 11.61            | 12.1             | 11.4             | 13      |
|           |            | 1       | 49        | 12.08            | 12.12            | 12.18            | 13      |
|           |            | 25      | 0         | 12.18            | 12.13            | 12.11            | 13      |
|           |            | 25      | 13        | 12.13            | 12.18            | 12.2             | 13      |
|           |            | 25      | 25        | 12.13            | 12.09            | 12.16            | 13      |
|           |            | 50      | 0         | 12.16            | 12.21            | 12.17            | 13      |
|           | 16QAM      | 1       | 0         | 12.72            | 12.52            | 12.59            | 13      |
|           |            | 1       | 25        | 12.38            | 12.8             | 12.33            | 13      |
|           |            | 1       | 49        | 12.44            | 12.06            | 12.52            | 13      |
|           |            | 25      | 0         | 12.24            | 12.26            | 12.04            | 13      |
|           |            | 25      | 13        | 12.15            | 12.09            | 12.17            | 13      |
|           |            | 25      | 25        | 12.13            | 12.03            | 12.08            | 13      |

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|           | 64QAM      | 50      | 0         | 12.12            | 12.1             | 11.96            | 13      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 0         | 12.09            | 12.15            | 12.22            | 13      |
|           |            | 1       | 25        | 11.83            | 11.97            | 11.84            | 13      |
|           |            | 1       | 49        | 12.27            | 12.28            | 12.27            | 13      |
|           |            | 25      | 0         | 12.05            | 11.99            | 12.07            | 13      |
|           |            | 25      | 13        | 11.91            | 11.97            | 11.85            | 13      |
|           |            | 25      | 25        | 11.97            | 11.89            | 11.82            | 13      |
|           |            | 50      | 0         | 12.07            | 12               | 12.11            | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18675 | Channel<br>18900 | Channel<br>19125 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 12.39            | 12.22            | 12.16            | 13      |
|           |            | 1       | 38        | 12.15            | 12.18            | 12.23            | 13      |
|           |            | 1       | 74        | 12.11            | 11.98            | 12.16            | 13      |
|           |            | 36      | 0         | 12.23            | 12.24            | 12.15            | 13      |
|           |            | 36      | 18        | 12.28            | 12.18            | 12.29            | 13      |
|           |            | 36      | 39        | 12.26            | 12.17            | 12.2             | 13      |
|           |            | 75      | 0         | 12.17            | 12.26            | 12.1             | 13      |
|           | 16QAM      | 1       | 0         | 12.4             | 11.83            | 12.21            | 13      |
|           |            | 1       | 38        | 12.42            | 12.18            | 12.16            | 13      |
|           |            | 1       | 74        | 12.56            | 12.28            | 12.4             | 13      |
|           |            | 36      | 0         | 12.24            | 12.2             | 12.24            | 13      |
|           |            | 36      | 18        | 12.14            | 12.18            | 12.09            | 13      |
|           |            | 36      | 39        | 12.1             | 12.18            | 12.19            | 13      |
|           |            | 75      | 0         | 12.2             | 12.21            | 12.15            | 13      |
|           | 64QAM      | 1       | 0         | 12.15            | 12.17            | 12.23            | 13      |
|           |            | 1       | 38        | 11.86            | 11.98            | 11.9             | 13      |
|           |            | 1       | 74        | 12.21            | 12.27            | 12.21            | 13      |
|           |            | 36      | 0         | 12.08            | 12.03            | 12.11            | 13      |
|           |            | 36      | 18        | 11.93            | 11.96            | 11.82            | 13      |
|           |            | 36      | 39        | 11.96            | 11.91            | 11.89            | 13      |
|           |            | 75      | 0         | 12.06            | 12.09            | 12.11            | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18700 | Channel<br>18900 | Channel<br>19100 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 12.35            | 12.28            | 12.26            | 13      |
|           |            | 1       | 50        | 12.19            | 12.28            | 12.01            | 13      |
|           |            | 1       | 99        | 12.29            | 12.18            | 12.24            | 13      |
|           |            | 50      | 0         | 12.16            | 12.26            | 12.25            | 13      |
|           |            | 50      | 25        | 12.13            | 12.26            | 12.25            | 13      |
|           |            | 50      | 50        | 12.2             | 12.09            | 12.22            | 13      |
|           |            | 100     | 0         | 12.18            | 12.19            | 12.23            | 13      |
|           | 16QAM      | 1       | 0         | 12.4             | 12.75            | 12.33            | 13      |
|           |            | 1       | 50        | 12.45            | 12.2             | 11.76            | 13      |
|           |            | 1       | 99        | 12.48            | 12.31            | 12.8             | 13      |
|           |            | 50      | 0         | 12.18            | 12.2             | 12.18            | 13      |
|           |            | 50      | 25        | 12.12            | 12.08            | 12.08            | 13      |
|           |            | 50      | 50        | 12.17            | 12.19            | 12.18            | 13      |
|           |            | 100     | 0         | 12.1             | 12.14            | 12.18            | 13      |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  | 64QAM | 1   | 0  | 12.17 | 12.22 | 12.22 | 13 |
|  |       | 1   | 50 | 11.84 | 11.93 | 11.89 | 13 |
|  |       | 1   | 99 | 12.2  | 12.28 | 12.19 | 13 |
|  |       | 50  | 0  | 12.11 | 12.06 | 12.08 | 13 |
|  |       | 50  | 25 | 11.84 | 12.02 | 11.86 | 13 |
|  |       | 50  | 50 | 12    | 11.9  | 11.85 | 13 |
|  |       | 100 | 0  | 12.06 | 12.1  | 12.07 | 13 |

| LTE Band 2 Receiver on(Left head) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                      | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 12.21                | 12.1    | 12.13   | 13      |
|  |            | 1       | 2         | 11.95                | 11.77   | 12.15   | 13      |
|  |            | 1       | 5         | 12.22                | 12.11   | 12.18   | 13      |
|  |            | 3       | 0         | 12.26                | 12.35   | 12.14   | 13      |
|  |            | 3       | 2         | 12.03                | 11.96   | 12.18   | 13      |
|  |            | 3       | 3         | 12.26                | 12.15   | 12.12   | 13      |
|  |            | 6       | 0         | 12.11                | 12.12   | 12.04   | 13      |
|  | 16QAM      | 1       | 0         | 12.29                | 12.41   | 12.7    | 13      |
|  |            | 1       | 2         | 12.8                 | 12.24   | 12.08   | 13      |
|  |            | 1       | 5         | 12.32                | 12.52   | 12.75   | 13      |
|  |            | 3       | 0         | 12.32                | 12.14   | 12.26   | 13      |
|  |            | 3       | 2         | 11.82                | 12.03   | 12.62   | 13      |
|  |            | 3       | 3         | 12.12                | 12.01   | 12.22   | 13      |
|  |            | 6       | 0         | 12.17                | 12.04   | 12.31   | 13      |
|  | 64QAM      | 1       | 0         | 12.1                 | 12.16   | 12.1    | 13      |
|  |            | 1       | 2         | 11.8                 | 11.93   | 11.86   | 13      |
|  |            | 1       | 5         | 12.19                | 12.21   | 12.25   | 13      |
|  |            | 3       | 0         | 12.09                | 11.95   | 12.1    | 13      |
|  |            | 3       | 2         | 11.83                | 11.99   | 11.79   | 13      |
|  |            | 3       | 3         | 11.94                | 11.87   | 11.83   | 13      |
|  |            | 6       | 0         | 12.02                | 11.97   | 12.09   | 13      |
| Bandwidth                                      | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz   | QPSK       | 1       | 0         | 12.18                | 12.06   | 12.24   | 13      |
|  |            | 1       | 7         | 13.05                | 10.9    | 11.46   | 13      |
|  |            | 1       | 14        | 12.13                | 12.24   | 12.19   | 13      |
|  |            | 8       | 0         | 11.66                | 12.02   | 12.11   | 13      |
|  |            | 8       | 4         | 12.14                | 12.11   | 12.16   | 13      |
|  |            | 8       | 7         | 12.05                | 12.12   | 11.81   | 13      |
|  |            | 15      | 0         | 12.14                | 11.91   | 12.1    | 13      |
|  | 16QAM      | 1       | 0         | 12.47                | 12.6    | 12.47   | 13      |
|  |            | 1       | 7         | 11.84                | 12.1    | 12.58   | 13      |
|  |            | 1       | 14        | 12.34                | 12.32   | 12.28   | 13      |
|  |            | 8       | 0         | 12.05                | 12.22   | 11.87   | 13      |

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|           | 64QAM      | 8       | 4         | 12.19   | 12.05   | 12.08   | 13      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 12.14   | 12.06   | 11.99   | 13      |
|           |            | 15      | 0         | 12.02   | 11.93   | 11.85   | 13      |
|           |            | 1       | 0         | 12.09   | 12.11   | 12.12   | 13      |
|           |            | 1       | 7         | 11.79   | 11.97   | 11.86   | 13      |
|           |            | 1       | 14        | 12.2    | 12.18   | 12.2    | 13      |
|           |            | 8       | 0         | 12.13   | 12.01   | 12.08   | 13      |
|           |            | 8       | 4         | 11.83   | 12      | 11.79   | 13      |
|           |            | 8       | 7         | 11.96   | 11.84   | 11.87   | 13      |
|           |            | 15      | 0         | 11.99   | 12.01   | 12.11   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 12.27   | 12.27   | 12.3    | 13      |
|           |            | 1       | 13        | 12.12   | 12.18   | 12.16   | 13      |
|           |            | 1       | 24        | 12.06   | 12.07   | 12.08   | 13      |
|           |            | 12      | 0         | 12.27   | 12.15   | 12.13   | 13      |
|           |            | 12      | 6         | 12.29   | 11.96   | 11.99   | 13      |
|           |            | 12      | 13        | 12.25   | 12.12   | 12.24   | 13      |
|           |            | 25      | 0         | 12.24   | 12.24   | 12.22   | 13      |
|           | 16QAM      | 1       | 0         | 12.64   | 12.7    | 12.47   | 13      |
|           |            | 1       | 13        | 12.44   | 12.45   | 12.14   | 13      |
|           |            | 1       | 24        | 12.17   | 12.39   | 12.74   | 13      |
|           |            | 12      | 0         | 12.29   | 12.24   | 12.15   | 13      |
|           |            | 12      | 6         | 11.83   | 12.09   | 12.16   | 13      |
|           |            | 12      | 13        | 12.21   | 12.14   | 12.06   | 13      |
|           |            | 25      | 0         | 12.2    | 12.12   | 12      | 13      |
|           | 64QAM      | 1       | 0         | 12.08   | 12.13   | 12.14   | 13      |
|           |            | 1       | 13        | 11.78   | 11.94   | 11.86   | 13      |
|           |            | 1       | 24        | 12.17   | 12.21   | 12.21   | 13      |
|           |            | 12      | 0         | 12.07   | 11.96   | 12.08   | 13      |
|           |            | 12      | 6         | 11.84   | 12.02   | 11.84   | 13      |
|           |            | 12      | 13        | 11.93   | 11.84   | 11.85   | 13      |
|           |            | 25      | 0         | 12      | 11.97   | 12.1    | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 12.09   | 12.16   | 12.11   | 13      |
|           |            | 1       | 25        | 11.88   | 11.51   | 12.16   | 13      |
|           |            | 1       | 49        | 12.12   | 12.2    | 12.32   | 13      |
|           |            | 25      | 0         | 12.27   | 12.19   | 12.24   | 13      |
|           |            | 25      | 13        | 12.15   | 12.1    | 12.21   | 13      |
|           |            | 25      | 25        | 12.22   | 12.15   | 12.18   | 13      |
|           |            | 50      | 0         | 12.19   | 12.13   | 12.19   | 13      |
|           | 16QAM      | 1       | 0         | 12.75   | 12.73   | 12.84   | 13      |
|           |            | 1       | 25        | 10.37   | 12.14   | 11.97   | 13      |
|           |            | 1       | 49        | 12.48   | 12.49   | 12.13   | 13      |
|           |            | 25      | 0         | 12.21   | 12.17   | 12.05   | 13      |
|           |            | 25      | 13        | 12.06   | 12.09   | 12.17   | 13      |

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|           | 64QAM      | 25      | 25        | 11.96   | 12.13   | 12.17   | 13      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 12.12   | 12.12   | 12.16   | 13      |
|           |            | 1       | 0         | 12.06   | 12.1    | 12.15   | 13      |
|           |            | 1       | 25        | 11.8    | 11.89   | 11.84   | 13      |
|           |            | 1       | 49        | 12.21   | 12.2    | 12.23   | 13      |
|           |            | 25      | 0         | 12.1    | 11.95   | 12.07   | 13      |
|           |            | 25      | 13        | 11.85   | 11.99   | 11.81   | 13      |
|           |            | 25      | 25        | 11.98   | 11.82   | 11.82   | 13      |
|           |            | 50      | 0         | 11.97   | 12.01   | 12.12   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 12.26   | 12.37   | 12.14   | 13      |
|           |            | 1       | 38        | 12.21   | 12.27   | 12.23   | 13      |
|           |            | 1       | 74        | 12.04   | 12.09   | 12.02   | 13      |
|           |            | 36      | 0         | 12.19   | 12.19   | 12.2    | 13      |
|           |            | 36      | 18        | 12.24   | 12.13   | 12.2    | 13      |
|           |            | 36      | 39        | 12.19   | 12.14   | 12.14   | 13      |
|           |            | 75      | 0         | 12.23   | 12.23   | 12.22   | 13      |
|           | 16QAM      | 1       | 0         | 12.71   | 12.46   | 12.45   | 13      |
|           |            | 1       | 38        | 12.36   | 12.47   | 11.98   | 13      |
|           |            | 1       | 74        | 12.2    | 12.24   | 12.08   | 13      |
|           |            | 36      | 0         | 12.17   | 12.15   | 12.14   | 13      |
|           |            | 36      | 18        | 12.19   | 12.14   | 12.2    | 13      |
|           |            | 36      | 39        | 12.13   | 12.09   | 12.02   | 13      |
|           |            | 75      | 0         | 12.07   | 12.06   | 12.13   | 13      |
|           | 64QAM      | 1       | 0         | 12.08   | 12.15   | 12.15   | 13      |
|           |            | 1       | 38        | 11.84   | 11.91   | 11.88   | 13      |
|           |            | 1       | 74        | 12.16   | 12.15   | 12.24   | 13      |
|           |            | 36      | 0         | 12.12   | 11.97   | 12.08   | 13      |
|           |            | 36      | 18        | 11.81   | 11.98   | 11.77   | 13      |
|           |            | 36      | 39        | 11.95   | 11.88   | 11.85   | 13      |
|           |            | 75      | 0         | 11.98   | 11.97   | 12.11   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 12.36   | 12.39   | 12.23   | 13      |
|           |            | 1       | 50        | 12.04   | 12.16   | 12.12   | 13      |
|           |            | 1       | 99        | 12.02   | 12.18   | 12.29   | 13      |
|           |            | 50      | 0         | 12.37   | 12.21   | 12.16   | 13      |
|           |            | 50      | 25        | 12.26   | 12.1    | 12.24   | 13      |
|           |            | 50      | 50        | 12.13   | 12.08   | 12.15   | 13      |
|           |            | 100     | 0         | 12.25   | 12.22   | 12.32   | 13      |
|           | 16QAM      | 1       | 0         | 12.57   | 12.52   | 12.4    | 13      |
|           |            | 1       | 50        | 12.47   | 12.24   | 12.09   | 13      |
|           |            | 1       | 99        | 12.77   | 11.85   | 12.5    | 13      |
|           |            | 50      | 0         | 12.31   | 12.18   | 12.19   | 13      |
|           |            | 50      | 25        | 12.04   | 12.02   | 12.11   | 13      |
|           |            | 50      | 50        | 11.97   | 12.02   | 12.09   | 13      |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  |       | 100 | 0  | 12.18 | 12.08 | 12.11 | 13 |
|  |       | 1   | 0  | 12.1  | 12.12 | 12.08 | 13 |
|  |       | 1   | 50 | 11.83 | 11.94 | 11.85 | 13 |
|  |       | 1   | 99 | 12.23 | 12.17 | 12.22 | 13 |
|  | 64QAM | 50  | 0  | 12.13 | 11.96 | 12.11 | 13 |
|  |       | 50  | 25 | 11.83 | 12.05 | 11.81 | 13 |
|  |       | 50  | 50 | 11.94 | 11.89 | 11.8  | 13 |
|  |       | 100 | 0  | 11.95 | 12.01 | 12.13 | 13 |

| LTE Band 2 Receiver on(Right head) + hotspot 5G |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth                                       | Modulation | RB size | RB offset | Channel 18607        | Channel 18900 | Channel 19193 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 10.17                | 10.18         | 10.08         | 11      |
|   |            | 1       | 2         | 9.58                 | 9.59          | 10.59         | 11      |
|   |            | 1       | 5         | 10.13                | 10.19         | 10.23         | 11      |
|   |            | 3       | 0         | 10.31                | 10.25         | 9.94          | 11      |
|   |            | 3       | 2         | 10.35                | 10.29         | 10.02         | 11      |
|   |            | 3       | 3         | 9.84                 | 10.11         | 10.16         | 11      |
|   |            | 6       | 0         | 10.19                | 10.22         | 10.05         | 11      |
|   | 16QAM      | 1       | 0         | 10.68                | 10            | 10.36         | 11      |
|   |            | 1       | 2         | 10.68                | 9.67          | 10.78         | 11      |
|   |            | 1       | 5         | 10.36                | 10.33         | 10.59         | 11      |
|   |            | 3       | 0         | 10.37                | 9.98          | 10.2          | 11      |
|   |            | 3       | 2         | 9.55                 | 9.57          | 10.4          | 11      |
|   |            | 3       | 3         | 9.63                 | 9.43          | 10.15         | 11      |
|   |            | 6       | 0         | 10.05                | 9.98          | 9.96          | 11      |
|   | 64QAM      | 1       | 0         | 10.14                | 10.2          | 10.17         | 11      |
|   |            | 1       | 2         | 9.82                 | 10            | 9.95          | 11      |
|   |            | 1       | 5         | 10.21                | 10.29         | 10.26         | 11      |
|   |            | 3       | 0         | 10.13                | 10.02         | 10.16         | 11      |
|   |            | 3       | 2         | 9.9                  | 10.04         | 9.86          | 11      |
|   |            | 3       | 3         | 9.94                 | 9.87          | 9.89          | 11      |
|   |            | 6       | 0         | 10.08                | 10.04         | 10.17         | 11      |
| Bandwidth                                       | Modulation | RB size | RB offset | Channel 18615        | Channel 18900 | Channel 19185 | Tune up |
| 3MHz  | QPSK       | 1       | 0         | 10.25                | 10.24         | 10.19         | 11      |
|   |            | 1       | 7         | 9.57                 | 10.06         | 8.86          | 11      |
|   |            | 1       | 14        | 10.1                 | 10.11         | 10.12         | 11      |
|   |            | 8       | 0         | 10.19                | 10.12         | 9.77          | 11      |
|   |            | 8       | 4         | 10.1                 | 10.22         | 10.13         | 11      |
|   |            | 8       | 7         | 10.08                | 10.22         | 9.94          | 11      |
|   |            | 15      | 0         | 10.18                | 9.99          | 10.2          | 11      |
|   | 16QAM      | 1       | 0         | 10.17                | 10.6          | 10.79         | 11      |
|   |            | 1       | 7         | 10.04                | 10.47         | 9.66          | 11      |
|   |            | 1       | 14        | 10.65                | 10.6          | 10.43         | 11      |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 0         | 9.92    | 9.92    | 10.08   | 11      |
|           |            | 8       | 4         | 9.95    | 10.19   | 10.04   | 11      |
|           |            | 8       | 7         | 10.22   | 9.89    | 10.25   | 11      |
|           |            | 15      | 0         | 10.06   | 10.06   | 10.12   | 11      |
|           | 64QAM      | 1       | 0         | 10.17   | 10.24   | 10.18   | 11      |
|           |            | 1       | 7         | 9.87    | 9.94    | 9.93    | 11      |
|           |            | 1       | 14        | 10.22   | 10.22   | 10.27   | 11      |
|           |            | 8       | 0         | 10.17   | 10.01   | 10.11   | 11      |
|           |            | 8       | 4         | 9.84    | 9.99    | 9.85    | 11      |
|           |            | 8       | 7         | 10.04   | 9.93    | 9.86    | 11      |
|           |            | 15      | 0         | 10.02   | 9.98    | 10.1    | 11      |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 10.17   | 10.14   | 10.15   | 11      |
|           |            | 1       | 13        | 10.16   | 10.17   | 10.17   | 11      |
|           |            | 1       | 24        | 10.15   | 10.05   | 10.17   | 11      |
|           |            | 12      | 0         | 10.2    | 10.13   | 10.22   | 11      |
|           |            | 12      | 6         | 10.21   | 10.12   | 10.14   | 11      |
|           |            | 12      | 13        | 10.19   | 10.1    | 10.2    | 11      |
|           |            | 25      | 0         | 10.17   | 10.09   | 10.19   | 11      |
|           | 16QAM      | 1       | 0         | 10.34   | 10.2    | 10.53   | 11      |
|           |            | 1       | 13        | 10.46   | 10.56   | 10.56   | 11      |
|           |            | 1       | 24        | 10.45   | 10.43   | 10.71   | 11      |
|           |            | 12      | 0         | 10.06   | 10.2    | 10.25   | 11      |
|           |            | 12      | 6         | 10.22   | 10.12   | 10.16   | 11      |
|           |            | 12      | 13        | 10.24   | 10.2    | 10.09   | 11      |
|           |            | 25      | 0         | 10.02   | 10.03   | 10.1    | 11      |
|           | 64QAM      | 1       | 0         | 10.15   | 10.24   | 10.17   | 11      |
|           |            | 1       | 13        | 9.88    | 9.95    | 9.94    | 11      |
|           |            | 1       | 24        | 10.27   | 10.26   | 10.29   | 11      |
|           |            | 12      | 0         | 10.1    | 10.04   | 10.18   | 11      |
|           |            | 12      | 6         | 9.85    | 9.99    | 9.88    | 11      |
|           |            | 12      | 13        | 9.98    | 9.95    | 9.88    | 11      |
|           |            | 25      | 0         | 10.08   | 10      | 10.14   | 11      |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 10.22   | 10.05   | 10.17   | 11      |
|           |            | 1       | 25        | 9.53    | 9.93    | 9.85    | 11      |
|           |            | 1       | 49        | 10.24   | 10.04   | 10.13   | 11      |
|           |            | 25      | 0         | 10.22   | 10.17   | 10.27   | 11      |
|           |            | 25      | 13        | 10.09   | 10.23   | 10.1    | 11      |
|           |            | 25      | 25        | 10.06   | 10.13   | 10.03   | 11      |
|           |            | 50      | 0         | 10.12   | 10.14   | 10.06   | 11      |
|           | 16QAM      | 1       | 0         | 10.57   | 10.14   | 10.51   | 11      |
|           |            | 1       | 25        | 9.91    | 10.38   | 10.52   | 11      |
|           |            | 1       | 49        | 10.09   | 10.56   | 10.51   | 11      |
|           |            | 25      | 0         | 10.02   | 10.2    | 10.19   | 11      |
|           |            |         |           |         |         |         |         |
|           |            |         |           |         |         |         |         |

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|           |            | 25      | 13        | 10.13   | 10.12   | 10.09   | 11      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 25        | 10.1    | 10.18   | 10.1    | 11      |
|           |            | 50      | 0         | 9.99    | 10.08   | 10.11   | 11      |
|           | 64QAM      | 1       | 0         | 10.14   | 10.16   | 10.14   | 11      |
|           |            | 1       | 25        | 9.86    | 10      | 9.89    | 11      |
|           |            | 1       | 49        | 10.22   | 10.25   | 10.3    | 11      |
|           |            | 25      | 0         | 10.14   | 10.02   | 10.14   | 11      |
|           |            | 25      | 13        | 9.91    | 10.05   | 9.88    | 11      |
|           |            | 25      | 25        | 9.96    | 9.93    | 9.84    | 11      |
|           |            | 50      | 0         | 10.09   | 10.03   | 10.12   | 11      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 10.14   | 10.14   | 10.15   | 11      |
|           |            | 1       | 38        | 10.14   | 10.22   | 10.08   | 11      |
|           |            | 1       | 74        | 10.16   | 9.97    | 10.11   | 11      |
|           |            | 36      | 0         | 10.23   | 10.23   | 10.33   | 11      |
|           |            | 36      | 18        | 10.21   | 10.23   | 10.17   | 11      |
|           |            | 36      | 39        | 10.17   | 10.12   | 10.28   | 11      |
|           |            | 75      | 0         | 10.13   | 10.17   | 10.21   | 11      |
|           | 16QAM      | 1       | 0         | 10.74   | 10.48   | 10.41   | 11      |
|           |            | 1       | 38        | 10.65   | 10.34   | 10.59   | 11      |
|           |            | 1       | 74        | 10.37   | 10.58   | 10.2    | 11      |
|           |            | 36      | 0         | 10.26   | 10.18   | 10.13   | 11      |
|           |            | 36      | 18        | 10.09   | 10.14   | 10.05   | 11      |
|           |            | 36      | 39        | 10.11   | 10.11   | 10.29   | 11      |
|           |            | 75      | 0         | 10.03   | 10.06   | 10.12   | 11      |
|           | 64QAM      | 1       | 0         | 10.17   | 10.22   | 10.15   | 11      |
|           |            | 1       | 38        | 9.9     | 9.96    | 9.9     | 11      |
|           |            | 1       | 74        | 10.21   | 10.25   | 10.27   | 11      |
|           |            | 36      | 0         | 10.11   | 9.98    | 10.16   | 11      |
|           |            | 36      | 18        | 9.87    | 10.06   | 9.86    | 11      |
|           |            | 36      | 39        | 10      | 9.93    | 9.87    | 11      |
|           |            | 75      | 0         | 10.05   | 9.98    | 10.17   | 11      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 10.27   | 10.33   | 10.36   | 11      |
|           |            | 1       | 50        | 10.12   | 9.66    | 9.34    | 11      |
|           |            | 1       | 99        | 10.18   | 10.14   | 10.26   | 11      |
|           |            | 50      | 0         | 10.3    | 10.27   | 10.24   | 11      |
|           |            | 50      | 25        | 10.16   | 10.22   | 10.22   | 11      |
|           |            | 50      | 50        | 10.07   | 10.24   | 10.24   | 11      |
|           |            | 100     | 0         | 10.16   | 10.04   | 10.32   | 11      |
|           | 16QAM      | 1       | 0         | 10.86   | 10.3    | 10.89   | 11      |
|           |            | 1       | 50        | 10.46   | 9.98    | 9.8     | 11      |
|           |            | 1       | 99        | 10.34   | 10.17   | 10.52   | 11      |
|           |            | 50      | 0         | 10.15   | 10.16   | 10.13   | 11      |
|           |            | 50      | 25        | 10.19   | 10.15   | 10.14   | 11      |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  |       | 50  | 50 | 10.1  | 10.16 | 10.14 | 11 |
|  |       | 100 | 0  | 10.05 | 10.03 | 9.96  | 11 |
|  | 64QAM | 1   | 0  | 10.12 | 10.23 | 10.14 | 11 |
|  |       | 1   | 50 | 9.86  | 9.93  | 9.95  | 11 |
|  |       | 1   | 99 | 10.23 | 10.21 | 10.29 | 11 |
|  |       | 50  | 0  | 10.15 | 9.96  | 10.17 | 11 |
|  |       | 50  | 25 | 9.89  | 10.03 | 9.85  | 11 |
|  |       | 50  | 50 | 10.03 | 9.89  | 9.86  | 11 |
|  |       | 100 | 0  | 10.04 | 10    | 10.14 | 11 |

| LTE Band 2 Receiver on(Left head) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                                 | QPSK       | 1       | 0         | 15.26                | 15.23   | 15.2    | 16      |
|  |            | 1       | 2         | 14.76                | 14.26   | 15.45   | 16      |
|  |            | 1       | 5         | 15.3                 | 15.16   | 15.13   | 16      |
|  |            | 3       | 0         | 14.99                | 15.26   | 15.04   | 16      |
|  |            | 3       | 2         | 14.97                | 14.48   | 15.13   | 16      |
|  |            | 3       | 3         | 15.04                | 14.88   | 15.13   | 16      |
|  |            | 6       | 0         | 15.12                | 14.9    | 15.1    | 16      |
|  | 16QAM      | 1       | 0         | 15.19                | 15.7    | 15.48   | 16      |
|  |            | 1       | 2         | 14.18                | 15.51   | 15.14   | 16      |
|  |            | 1       | 5         | 15.91                | 15.25   | 15.42   | 16      |
|  |            | 3       | 0         | 15.26                | 15.2    | 14.94   | 16      |
|  |            | 3       | 2         | 15.4                 | 15.43   | 15.15   | 16      |
|  |            | 3       | 3         | 15.05                | 14.52   | 15.13   | 16      |
|  |            | 6       | 0         | 15.13                | 15.31   | 14.71   | 16      |
|  | 64QAM      | 1       | 0         | 15.15                | 15.22   | 15.2    | 16      |
|  |            | 1       | 2         | 14.83                | 15.03   | 14.97   | 16      |
|  |            | 1       | 5         | 15.23                | 15.31   | 15.28   | 16      |
|  |            | 3       | 0         | 15.14                | 15.03   | 15.2    | 16      |
|  |            | 3       | 2         | 14.94                | 15.05   | 14.9    | 16      |
|  |            | 3       | 3         | 14.97                | 14.91   | 14.92   | 16      |
|  |            | 6       | 0         | 15.11                | 15.06   | 15.21   | 16      |
| Bandwidth                              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz                                   | QPSK       | 1       | 0         | 15.17                | 14.99   | 15.15   | 16      |
|  |            | 1       | 7         | 15.51                | 15.45   | 14.35   | 16      |
|  |            | 1       | 14        | 15.22                | 15.25   | 15.17   | 16      |
|  |            | 8       | 0         | 14.89                | 15.23   | 15      | 16      |
|  |            | 8       | 4         | 15.21                | 15.21   | 15.2    | 16      |
|  |            | 8       | 7         | 15.23                | 15.14   | 15.25   | 16      |
|  |            | 15      | 0         | 15.24                | 15.07   | 15.2    | 16      |
|  | 16QAM      | 1       | 0         | 15.81                | 15.5    | 15.29   | 16      |
|  |            | 1       | 7         | 14.91                | 14.63   | 15.89   | 16      |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 1              | 14               | 15.41                | 15.31                | 15.45                | 16             |
|                  |                   | 8              | 0                | 15.17                | 15.19                | 15                   | 16             |
|                  |                   | 8              | 4                | 15.19                | 15.18                | 15.27                | 16             |
|                  |                   | 8              | 7                | 15.27                | 14.99                | 15.21                | 16             |
|                  |                   | 15             | 0                | 15.11                | 15.26                | 15.1                 | 16             |
|                  | 64QAM             | 1              | 0                | 15.17                | 15.21                | 15.2                 | 16             |
|                  |                   | 1              | 7                | 14.85                | 15.02                | 14.96                | 16             |
|                  |                   | 1              | 14               | 15.24                | 15.32                | 15.28                | 16             |
|                  |                   | 8              | 0                | 15.17                | 15.04                | 15.19                | 16             |
|                  |                   | 8              | 4                | 14.9                 | 15.05                | 14.89                | 16             |
|                  |                   | 8              | 7                | 14.97                | 14.89                | 14.91                | 16             |
|                  |                   | 15             | 0                | 15.1                 | 15.06                | 15.17                | 16             |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 18625</b> | <b>Channel 18900</b> | <b>Channel 19175</b> | <b>Tune up</b> |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 15.27                | 15.21                | 15.12                | 16             |
|                  |                   | 1              | 13               | 15.18                | 15.17                | 15.18                | 16             |
|                  |                   | 1              | 24               | 15.2                 | 15.17                | 15.17                | 16             |
|                  |                   | 12             | 0                | 15.25                | 15.29                | 15.27                | 16             |
|                  |                   | 12             | 6                | 15.27                | 15.14                | 15.24                | 16             |
|                  |                   | 12             | 13               | 15.23                | 15.14                | 15.22                | 16             |
|                  |                   | 25             | 0                | 15.22                | 15.13                | 15.11                | 16             |
|                  | 16QAM             | 1              | 0                | 15.71                | 15.69                | 15.75                | 16             |
|                  |                   | 1              | 13               | 15.57                | 15.25                | 15.56                | 16             |
|                  |                   | 1              | 24               | 15.77                | 15.58                | 15.5                 | 16             |
|                  |                   | 12             | 0                | 15.29                | 15.27                | 15.19                | 16             |
|                  |                   | 12             | 6                | 15.11                | 15.1                 | 15.18                | 16             |
|                  |                   | 12             | 13               | 15.12                | 15.22                | 15.11                | 16             |
|                  |                   | 25             | 0                | 15.08                | 15.26                | 15.05                | 16             |
|                  | 64QAM             | 1              | 0                | 15.18                | 15.23                | 15.19                | 16             |
|                  |                   | 1              | 13               | 14.83                | 15.01                | 14.97                | 16             |
|                  |                   | 1              | 24               | 15.22                | 15.3                 | 15.28                | 16             |
|                  |                   | 12             | 0                | 15.13                | 15.05                | 15.18                | 16             |
|                  |                   | 12             | 6                | 14.9                 | 15.07                | 14.9                 | 16             |
|                  |                   | 12             | 13               | 14.97                | 14.89                | 14.92                | 16             |
|                  |                   | 25             | 0                | 15.1                 | 15.08                | 15.2                 | 16             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 18650</b> | <b>Channel 18900</b> | <b>Channel 19150</b> | <b>Tune up</b> |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 15.17                | 15.27                | 15.25                | 16             |
|                  |                   | 1              | 25               | 14.8                 | 15.31                | 14.68                | 16             |
|                  |                   | 1              | 49               | 15.11                | 15.15                | 15.1                 | 16             |
|                  |                   | 25             | 0                | 15.14                | 15.12                | 15.13                | 16             |
|                  |                   | 25             | 13               | 15.08                | 15.18                | 15.19                | 16             |
|                  |                   | 25             | 25               | 15.1                 | 15.08                | 15.2                 | 16             |
|                  |                   | 50             | 0                | 15.14                | 15.2                 | 15.17                | 16             |
|                  | 16QAM             | 1              | 0                | 15.46                | 15.6                 | 15.6                 | 16             |
|                  |                   | 1              | 25               | 15.66                | 15.36                | 15.34                | 16             |
|                  |                   | 1              | 49               | 15.61                | 15.43                | 15.49                | 16             |

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|           |            | 25      | 0         | 15.1    | 15.16   | 15.1    | 16      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 13        | 15.07   | 15.05   | 15      | 16      |
|           |            | 25      | 25        | 15.12   | 15.08   | 15.19   | 16      |
|           |            | 50      | 0         | 15.11   | 15.01   | 15.12   | 16      |
|           | 64QAM      | 1       | 0         | 15.16   | 15.2    | 15.19   | 16      |
|           |            | 1       | 25        | 14.86   | 15.04   | 14.96   | 16      |
|           |            | 1       | 49        | 15.22   | 15.32   | 15.29   | 16      |
|           |            | 25      | 0         | 15.14   | 15.04   | 15.2    | 16      |
|           |            | 25      | 13        | 14.91   | 15.04   | 14.88   | 16      |
|           |            | 25      | 25        | 14.97   | 14.88   | 14.91   | 16      |
|           |            | 50      | 0         | 15.1    | 15.05   | 15.18   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.29   | 15.18   | 15.19   | 16      |
|           |            | 1       | 38        | 15.21   | 15.2    | 15.19   | 16      |
|           |            | 1       | 74        | 15.02   | 15.11   | 15.07   | 16      |
|           |            | 36      | 0         | 15.22   | 15.29   | 15.25   | 16      |
|           |            | 36      | 18        | 15.21   | 15.14   | 15.15   | 16      |
|           |            | 36      | 39        | 15.19   | 15.23   | 15.26   | 16      |
|           |            | 75      | 0         | 15.22   | 15.13   | 15.19   | 16      |
|           | 16QAM      | 1       | 0         | 15.77   | 15.28   | 15.43   | 16      |
|           |            | 1       | 38        | 15.81   | 15.46   | 15.58   | 16      |
|           |            | 1       | 74        | 15.19   | 15.08   | 15.4    | 16      |
|           |            | 36      | 0         | 15.23   | 15.2    | 15.12   | 16      |
|           |            | 36      | 18        | 15.2    | 15.04   | 15.13   | 16      |
|           |            | 36      | 39        | 15.19   | 15.14   | 15.2    | 16      |
|           |            | 75      | 0         | 15.11   | 15.15   | 15.18   | 16      |
|           | 64QAM      | 1       | 0         | 15.15   | 15.23   | 15.19   | 16      |
|           |            | 1       | 38        | 14.84   | 15.02   | 14.95   | 16      |
|           |            | 1       | 74        | 15.24   | 15.31   | 15.28   | 16      |
|           |            | 36      | 0         | 15.14   | 15.03   | 15.19   | 16      |
|           |            | 36      | 18        | 14.91   | 15.07   | 14.88   | 16      |
|           |            | 36      | 39        | 14.97   | 14.89   | 14.89   | 16      |
|           |            | 75      | 0         | 15.1    | 15.05   | 15.19   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 15.27   | 15.3    | 15.32   | 16      |
|           |            | 1       | 50        | 14.49   | 15.24   | 15.33   | 16      |
|           |            | 1       | 99        | 15.17   | 15.23   | 15.28   | 16      |
|           |            | 50      | 0         | 15.23   | 15.27   | 15.24   | 16      |
|           |            | 50      | 25        | 15.1    | 15.17   | 15.2    | 16      |
|           |            | 50      | 50        | 15.13   | 15.09   | 15.15   | 16      |
|           |            | 100     | 0         | 15.23   | 15.18   | 15.26   | 16      |
|           | 16QAM      | 1       | 0         | 15.69   | 15.73   | 15.54   | 16      |
|           |            | 1       | 50        | 15.54   | 15.52   | 14.91   | 16      |
|           |            | 1       | 99        | 15.6    | 15.47   | 15.87   | 16      |
|           |            | 50      | 0         | 15.11   | 15.17   | 15.13   | 16      |
|           |            |         |           |         |         |         |         |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  |       | 50  | 25 | 15.07 | 15.08 | 15.03 | 16 |
|  |       | 50  | 50 | 15.16 | 15.17 | 15.15 | 16 |
|  |       | 100 | 0  | 15.11 | 15.06 | 15.09 | 16 |
|  | 64QAM | 1   | 0  | 15.17 | 15.21 | 15.19 | 16 |
|  |       | 1   | 50 | 14.84 | 15    | 14.96 | 16 |
|  |       | 1   | 99 | 15.22 | 15.29 | 15.28 | 16 |
|  |       | 50  | 0  | 15.17 | 15.06 | 15.18 | 16 |
|  |       | 50  | 25 | 14.91 | 15.07 | 14.87 | 16 |
|  |       | 50  | 50 | 14.95 | 14.9  | 14.91 | 16 |
|  |       | 100 | 0  | 15.12 | 15.06 | 15.19 | 16 |

| LTE Band 2 Receiver on(Right head) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                                  | QPSK       | 1       | 0         | 13.23                | 13.16   | 12.88   | 14      |
|   |            | 1       | 2         | 12.45                | 13.1    | 13.09   | 14      |
|   |            | 1       | 5         | 13.24                | 13.25   | 13.14   | 14      |
|   |            | 3       | 0         | 13.04                | 13.09   | 13.11   | 14      |
|   |            | 3       | 2         | 12.92                | 12.86   | 12.99   | 14      |
|   |            | 3       | 3         | 13.12                | 12.86   | 13.11   | 14      |
|   |            | 6       | 0         | 13.26                | 13.09   | 12.79   | 14      |
|   | 16QAM      | 1       | 0         | 13.53                | 13.29   | 13.66   | 14      |
|   |            | 1       | 2         | 13.33                | 13.16   | 12.68   | 14      |
|   |            | 1       | 5         | 13.78                | 13.76   | 13.36   | 14      |
|   |            | 3       | 0         | 12.86                | 13.32   | 12.89   | 14      |
|   |            | 3       | 2         | 12.87                | 12.87   | 13.53   | 14      |
|   |            | 3       | 3         | 13.15                | 13.43   | 13.37   | 14      |
|   |            | 6       | 0         | 13.35                | 13.26   | 13.07   | 14      |
|   | 64QAM      | 1       | 0         | 13.07                | 13.13   | 13.13   | 14      |
|   |            | 1       | 2         | 12.77                | 12.97   | 12.88   | 14      |
|   |            | 1       | 5         | 13.14                | 13.24   | 13.22   | 14      |
|   |            | 3       | 0         | 13.11                | 12.95   | 13.19   | 14      |
|   |            | 3       | 2         | 12.93                | 12.97   | 12.81   | 14      |
|   |            | 3       | 3         | 12.95                | 12.88   | 12.89   | 14      |
|   |            | 6       | 0         | 13.03                | 12.98   | 13.13   | 14      |
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz                                    | QPSK       | 1       | 0         | 13.17                | 13.27   | 13.03   | 14      |
|   |            | 1       | 7         | 12                   | 10.45   | 13.28   | 14      |
|   |            | 1       | 14        | 13.1                 | 13.19   | 13.17   | 14      |
|   |            | 8       | 0         | 13.29                | 13.13   | 13.05   | 14      |
|   |            | 8       | 4         | 13.09                | 12.97   | 13.2    | 14      |
|   |            | 8       | 7         | 13.08                | 13.1    | 13.16   | 14      |
|   |            | 15      | 0         | 13.27                | 12.97   | 13.05   | 14      |
|   | 16QAM      | 1       | 0         | 13.56                | 13.47   | 13.55   | 14      |

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|           |            | 1       | 7         | 13.32   | 12.82   | 12.61   | 14      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 14        | 12.89   | 13.65   | 13.58   | 14      |
|           |            | 8       | 0         | 13.17   | 13.29   | 12.92   | 14      |
|           |            | 8       | 4         | 13.16   | 13.08   | 13.01   | 14      |
|           |            | 8       | 7         | 13.16   | 13.14   | 13.02   | 14      |
|           |            | 15      | 0         | 13.04   | 13.1    | 13      | 14      |
|           | 64QAM      | 1       | 0         | 13.08   | 13.21   | 13.17   | 14      |
|           |            | 1       | 7         | 12.82   | 12.96   | 12.95   | 14      |
|           |            | 1       | 14        | 13.16   | 13.3    | 13.24   | 14      |
|           |            | 8       | 0         | 13.08   | 13.02   | 13.12   | 14      |
|           |            | 8       | 4         | 12.93   | 13.04   | 12.82   | 14      |
|           |            | 8       | 7         | 12.96   | 12.89   | 12.89   | 14      |
|           |            | 15      | 0         | 13.04   | 13.03   | 13.17   | 14      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 13.13   | 13.19   | 13.06   | 14      |
|           |            | 1       | 13        | 13.16   | 13.16   | 13.11   | 14      |
|           |            | 1       | 24        | 13.1    | 13.11   | 13.2    | 14      |
|           |            | 12      | 0         | 13.19   | 13.16   | 13.2    | 14      |
|           |            | 12      | 6         | 13.13   | 13.24   | 13.22   | 14      |
|           |            | 12      | 13        | 13.17   | 13.23   | 13.15   | 14      |
|           |            | 25      | 0         | 13.15   | 13.11   | 13.03   | 14      |
|           | 16QAM      | 1       | 0         | 12.82   | 13.24   | 13.67   | 14      |
|           |            | 1       | 13        | 13.3    | 12.95   | 13.47   | 14      |
|           |            | 1       | 24        | 13.44   | 13.5    | 13.13   | 14      |
|           |            | 12      | 0         | 13.23   | 13.11   | 13.24   | 14      |
|           |            | 12      | 6         | 13.05   | 13.04   | 13.15   | 14      |
|           |            | 12      | 13        | 13.15   | 13.02   | 13.18   | 14      |
|           |            | 25      | 0         | 13.08   | 13.06   | 12.85   | 14      |
|           | 64QAM      | 1       | 0         | 13.09   | 13.16   | 13.15   | 14      |
|           |            | 1       | 13        | 12.78   | 12.94   | 12.95   | 14      |
|           |            | 1       | 24        | 13.2    | 13.29   | 13.24   | 14      |
|           |            | 12      | 0         | 13.06   | 12.98   | 13.17   | 14      |
|           |            | 12      | 6         | 12.87   | 12.99   | 12.83   | 14      |
|           |            | 12      | 13        | 12.95   | 12.85   | 12.89   | 14      |
|           |            | 25      | 0         | 13.05   | 13      | 13.12   | 14      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 13.22   | 13.3    | 13.1    | 14      |
|           |            | 1       | 25        | 12.87   | 12.84   | 12.91   | 14      |
|           |            | 1       | 49        | 13.14   | 13.15   | 13.25   | 14      |
|           |            | 25      | 0         | 13.12   | 13.21   | 13.22   | 14      |
|           |            | 25      | 13        | 13.1    | 13.1    | 13.15   | 14      |
|           |            | 25      | 25        | 13.15   | 13.09   | 13.08   | 14      |
|           |            | 50      | 0         | 13.15   | 13.13   | 13.12   | 14      |
|           | 16QAM      | 1       | 0         | 13.53   | 13.48   | 13.77   | 14      |
|           |            | 1       | 25        | 13.35   | 13.87   | 13.26   | 14      |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 1              | 49               | 13.38                | 12.95                | 13.58                | 14             |
|                  |                   | 25             | 0                | 13.02                | 13.24                | 13.23                | 14             |
|                  |                   | 25             | 13               | 13.11                | 13.04                | 13.16                | 14             |
|                  |                   | 25             | 25               | 13.12                | 13.04                | 12.98                | 14             |
|                  |                   | 50             | 0                | 13.11                | 13.02                | 13.13                | 14             |
|                  | 64QAM             | 1              | 0                | 13.11                | 13.17                | 13.19                | 14             |
|                  |                   | 1              | 25               | 12.8                 | 12.99                | 12.9                 | 14             |
|                  |                   | 1              | 49               | 13.13                | 13.24                | 13.21                | 14             |
|                  |                   | 25             | 0                | 13.11                | 13                   | 13.18                | 14             |
|                  |                   | 25             | 13               | 12.88                | 13.05                | 12.88                | 14             |
|                  |                   | 25             | 25               | 12.87                | 12.88                | 12.86                | 14             |
|                  |                   | 50             | 0                | 13.06                | 13.06                | 13.17                | 14             |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 18675</b> | <b>Channel 18900</b> | <b>Channel 19125</b> | <b>Tune up</b> |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 13.28                | 13.24                | 13.15                | 14             |
|                  |                   | 1              | 38               | 13.24                | 13.03                | 13.2                 | 14             |
|                  |                   | 1              | 74               | 13.07                | 13.05                | 12.84                | 14             |
|                  |                   | 36             | 0                | 13.15                | 13.18                | 13.24                | 14             |
|                  |                   | 36             | 18               | 13.24                | 13.26                | 13.22                | 14             |
|                  |                   | 36             | 39               | 13.13                | 13.26                | 13.28                | 14             |
|                  |                   | 75             | 0                | 13.13                | 13.14                | 13.17                | 14             |
|                  | 16QAM             | 1              | 0                | 13.6                 | 13.5                 | 13.44                | 14             |
|                  |                   | 1              | 38               | 13.41                | 13.46                | 13.78                | 14             |
|                  |                   | 1              | 74               | 12.83                | 13.44                | 13.5                 | 14             |
|                  |                   | 36             | 0                | 13.28                | 13.17                | 13.17                | 14             |
|                  |                   | 36             | 18               | 13.18                | 13.19                | 13.15                | 14             |
|                  |                   | 36             | 39               | 13.11                | 13.09                | 13.09                | 14             |
|                  |                   | 75             | 0                | 13.06                | 13.07                | 13.15                | 14             |
|                  | 64QAM             | 1              | 0                | 13.13                | 13.15                | 13.18                | 14             |
|                  |                   | 1              | 38               | 12.77                | 12.98                | 12.94                | 14             |
|                  |                   | 1              | 74               | 13.15                | 13.26                | 13.22                | 14             |
|                  |                   | 36             | 0                | 13.09                | 12.95                | 13.19                | 14             |
|                  |                   | 36             | 18               | 12.89                | 12.98                | 12.86                | 14             |
|                  |                   | 36             | 39               | 12.91                | 12.83                | 12.9                 | 14             |
|                  |                   | 75             | 0                | 13.11                | 13.06                | 13.19                | 14             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 18700</b> | <b>Channel 18900</b> | <b>Channel 19100</b> | <b>Tune up</b> |
| <b>20MHz</b>     | QPSK              | 1              | 0                | 13.39                | 13.3                 | 13.23                | 14             |
|                  |                   | 1              | 50               | 13.11                | 12.21                | 13.01                | 14             |
|                  |                   | 1              | 99               | 13.23                | 13.16                | 13.08                | 14             |
|                  |                   | 50             | 0                | 13.2                 | 13.32                | 13.14                | 14             |
|                  |                   | 50             | 25               | 13.2                 | 13.19                | 13.19                | 14             |
|                  |                   | 50             | 50               | 13.17                | 13.17                | 13.15                | 14             |
|                  |                   | 100            | 0                | 13.09                | 13.13                | 13.31                | 14             |
|                  | 16QAM             | 1              | 0                | 13.82                | 14.23                | 14.06                | 14             |
|                  |                   | 1              | 50               | 13.32                | 12.39                | 13.54                | 14             |
|                  |                   | 1              | 99               | 13.66                | 13.52                | 13.12                | 14             |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  |       | 50  | 0  | 13.15 | 13.11 | 13.11 | 14 |
|  |       | 50  | 25 | 13.11 | 13.19 | 13.13 | 14 |
|  |       | 50  | 50 | 13.14 | 13.12 | 13.14 | 14 |
|  |       | 100 | 0  | 13.14 | 13.05 | 13.1  | 14 |
|  | 64QAM | 1   | 0  | 13.13 | 13.16 | 13.15 | 14 |
|  |       | 1   | 50 | 12.79 | 13.02 | 12.96 | 14 |
|  |       | 1   | 99 | 13.16 | 13.25 | 13.18 | 14 |
|  |       | 50  | 0  | 13.08 | 12.96 | 13.19 | 14 |
|  |       | 50  | 25 | 12.91 | 13.03 | 12.81 | 14 |
|  |       | 50  | 50 | 12.95 | 12.91 | 12.83 | 14 |
|  |       | 100 | 0  | 13.08 | 12.98 | 13.12 | 14 |

| LTE Band 2 Receiver off (body or limbs) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                                       | QPSK       | 1       | 0         | 18.77                | 18.6    | 18.55   | 19.5    |
|  |            | 1       | 2         | 18.11                | 18.59   | 18.3    | 19.5    |
|  |            | 1       | 5         | 18.81                | 18.8    | 18.72   | 19.5    |
|  |            | 3       | 0         | 18.7                 | 18.72   | 18.7    | 19.5    |
|  |            | 3       | 2         | 18.72                | 18.67   | 18.76   | 19.5    |
|  |            | 3       | 3         | 18.51                | 18.68   | 18.67   | 19.5    |
|  |            | 6       | 0         | 18.51                | 18.63   | 18.53   | 19.5    |
|  | 16QAM      | 1       | 0         | 18.78                | 19.2    | 18.38   | 19.5    |
|  |            | 1       | 2         | 18.65                | 18.95   | 18.69   | 19.5    |
|  |            | 1       | 5         | 19.33                | 18.94   | 19.26   | 19.5    |
|  |            | 3       | 0         | 18.7                 | 18.52   | 18.79   | 19.5    |
|  |            | 3       | 2         | 18.96                | 18.67   | 18.87   | 19.5    |
|  |            | 3       | 3         | 18.74                | 18.89   | 18.7    | 19.5    |
|  |            | 6       | 0         | 18.77                | 18.51   | 18.45   | 19.5    |
|  | 64QAM      | 1       | 0         | 18.62                | 18.62   | 18.57   | 19.5    |
|  |            | 1       | 2         | 18.21                | 18.52   | 18.44   | 19.5    |
|  |            | 1       | 5         | 18.64                | 18.69   | 18.62   | 19.5    |
|  |            | 3       | 0         | 18.5                 | 18.44   | 18.6    | 19.5    |
|  |            | 3       | 2         | 18.34                | 18.43   | 18.3    | 19.5    |
|  |            | 3       | 3         | 18.41                | 18.33   | 18.31   | 19.5    |
|  |            | 6       | 0         | 18.55                | 18.43   | 18.6    | 19.5    |
| Bandwidth                                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz   | QPSK       | 1       | 0         | 18.71                | 18.66   | 18.75   | 19.5    |
|  |            | 1       | 7         | 18.71                | 17.67   | 17.93   | 19.5    |
|  |            | 1       | 14        | 18.67                | 18.67   | 18.81   | 19.5    |
|  |            | 8       | 0         | 18.75                | 18.5    | 18.68   | 19.5    |
|  |            | 8       | 4         | 18.61                | 18.18   | 18.5    | 19.5    |
|  |            | 8       | 7         | 18.76                | 18.59   | 18.75   | 19.5    |
|  |            | 15      | 0         | 18.78                | 18.72   | 18.71   | 19.5    |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  | 16QAM             | 1              | 0                | 18.82                | 18.89                | 18.83                | 19.5           |
|                  |                   | 1              | 7                | 17.71                | 18.67                | 19.2                 | 19.5           |
|                  |                   | 1              | 14               | 19.04                | 19.05                | 18.83                | 19.5           |
|                  |                   | 8              | 0                | 18.71                | 18.45                | 18.81                | 19.5           |
|                  |                   | 8              | 4                | 18.78                | 18.62                | 18.55                | 19.5           |
|                  |                   | 8              | 7                | 18.54                | 18.71                | 18.59                | 19.5           |
|                  |                   | 15             | 0                | 18.71                | 18.55                | 18.71                | 19.5           |
|                  | 64QAM             | 1              | 0                | 18.55                | 18.57                | 18.61                | 19.5           |
|                  |                   | 1              | 7                | 18.23                | 18.45                | 18.43                | 19.5           |
|                  |                   | 1              | 14               | 18.65                | 18.69                | 18.59                | 19.5           |
|                  |                   | 8              | 0                | 18.55                | 18.39                | 18.67                | 19.5           |
|                  |                   | 8              | 4                | 18.35                | 18.49                | 18.27                | 19.5           |
|                  |                   | 8              | 7                | 18.36                | 18.37                | 18.32                | 19.5           |
|                  |                   | 15             | 0                | 18.52                | 18.39                | 18.61                | 19.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 18625</b> | <b>Channel 18900</b> | <b>Channel 19175</b> | <b>Tune up</b> |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 18.72                | 18.74                | 18.59                | 19.5           |
|                  |                   | 1              | 13               | 18.74                | 18.74                | 18.67                | 19.5           |
|                  |                   | 1              | 24               | 18.65                | 18.61                | 18.71                | 19.5           |
|                  |                   | 12             | 0                | 18.77                | 18.73                | 18.74                | 19.5           |
|                  |                   | 12             | 6                | 18.63                | 18.59                | 18.86                | 19.5           |
|                  |                   | 12             | 13               | 18.77                | 18.69                | 18.73                | 19.5           |
|                  |                   | 25             | 0                | 18.62                | 18.68                | 18.6                 | 19.5           |
|                  | 16QAM             | 1              | 0                | 19.12                | 19.03                | 19.12                | 19.5           |
|                  |                   | 1              | 13               | 19                   | 19.08                | 18.98                | 19.5           |
|                  |                   | 1              | 24               | 18.98                | 19.03                | 19.05                | 19.5           |
|                  |                   | 12             | 0                | 18.76                | 18.72                | 18.72                | 19.5           |
|                  |                   | 12             | 6                | 18.7                 | 18.63                | 18.68                | 19.5           |
|                  |                   | 12             | 13               | 18.75                | 18.7                 | 18.72                | 19.5           |
|                  |                   | 25             | 0                | 18.57                | 18.63                | 18.56                | 19.5           |
|                  | 64QAM             | 1              | 0                | 18.63                | 18.63                | 18.56                | 19.5           |
|                  |                   | 1              | 13               | 18.19                | 18.44                | 18.45                | 19.5           |
|                  |                   | 1              | 24               | 18.62                | 18.69                | 18.58                | 19.5           |
|                  |                   | 12             | 0                | 18.5                 | 18.41                | 18.62                | 19.5           |
|                  |                   | 12             | 6                | 18.31                | 18.46                | 18.29                | 19.5           |
|                  |                   | 12             | 13               | 18.36                | 18.38                | 18.26                | 19.5           |
|                  |                   | 25             | 0                | 18.54                | 18.38                | 18.61                | 19.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 18650</b> | <b>Channel 18900</b> | <b>Channel 19150</b> | <b>Tune up</b> |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 18.79                | 18.72                | 18.71                | 19.5           |
|                  |                   | 1              | 25               | 18.53                | 18.61                | 18.66                | 19.5           |
|                  |                   | 1              | 49               | 18.67                | 18.6                 | 18.71                | 19.5           |
|                  |                   | 25             | 0                | 18.63                | 18.74                | 18.79                | 19.5           |
|                  |                   | 25             | 13               | 18.68                | 18.7                 | 18.75                | 19.5           |
|                  |                   | 25             | 25               | 18.61                | 18.62                | 18.68                | 19.5           |
|                  |                   | 50             | 0                | 18.67                | 18.73                | 18.71                | 19.5           |
|                  | 16QAM             | 1              | 0                | 18.95                | 19.14                | 19.25                | 19.5           |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 1              | 25               | 18.38                | 18.67                | 19.48                | 19.5           |
|                  |                   | 1              | 49               | 19.16                | 18.99                | 18.81                | 19.5           |
|                  |                   | 25             | 0                | 18.53                | 18.54                | 18.8                 | 19.5           |
|                  |                   | 25             | 13               | 18.59                | 18.66                | 18.63                | 19.5           |
|                  |                   | 25             | 25               | 18.72                | 18.69                | 18.62                | 19.5           |
|                  |                   | 50             | 0                | 18.73                | 18.71                | 18.66                | 19.5           |
|                  | 64QAM             | 1              | 0                | 18.6                 | 18.62                | 18.64                | 19.5           |
|                  |                   | 1              | 25               | 18.19                | 18.44                | 18.38                | 19.5           |
|                  |                   | 1              | 49               | 18.59                | 18.65                | 18.59                | 19.5           |
|                  |                   | 25             | 0                | 18.55                | 18.42                | 18.66                | 19.5           |
|                  |                   | 25             | 13               | 18.4                 | 18.44                | 18.28                | 19.5           |
|                  |                   | 25             | 25               | 18.37                | 18.32                | 18.27                | 19.5           |
|                  |                   | 50             | 0                | 18.54                | 18.42                | 18.54                | 19.5           |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 18675</b> | <b>Channel 18900</b> | <b>Channel 19125</b> | <b>Tune up</b> |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 18.65                | 18.8                 | 18.75                | 19.5           |
|                  |                   | 1              | 38               | 18.61                | 18.76                | 18.75                | 19.5           |
|                  |                   | 1              | 74               | 18.59                | 18.58                | 18.55                | 19.5           |
|                  |                   | 36             | 0                | 18.71                | 18.81                | 18.71                | 19.5           |
|                  |                   | 36             | 18               | 18.73                | 18.67                | 18.8                 | 19.5           |
|                  |                   | 36             | 39               | 18.68                | 18.66                | 18.74                | 19.5           |
|                  |                   | 75             | 0                | 18.65                | 18.67                | 18.72                | 19.5           |
|                  | 16QAM             | 1              | 0                | 19.12                | 19.04                | 18.47                | 19.5           |
|                  |                   | 1              | 38               | 19.2                 | 19.24                | 18.71                | 19.5           |
|                  |                   | 1              | 74               | 19.05                | 19.1                 | 19.07                | 19.5           |
|                  |                   | 36             | 0                | 18.69                | 18.77                | 18.78                | 19.5           |
|                  |                   | 36             | 18               | 18.66                | 18.65                | 18.6                 | 19.5           |
|                  |                   | 36             | 39               | 18.63                | 18.62                | 18.65                | 19.5           |
|                  |                   | 75             | 0                | 18.7                 | 18.55                | 18.67                | 19.5           |
|                  | 64QAM             | 1              | 0                | 18.59                | 18.59                | 18.59                | 19.5           |
|                  |                   | 1              | 38               | 18.29                | 18.49                | 18.42                | 19.5           |
|                  |                   | 1              | 74               | 18.57                | 18.7                 | 18.59                | 19.5           |
|                  |                   | 36             | 0                | 18.56                | 18.41                | 18.66                | 19.5           |
|                  |                   | 36             | 18               | 18.33                | 18.47                | 18.3                 | 19.5           |
|                  |                   | 36             | 39               | 18.4                 | 18.37                | 18.25                | 19.5           |
|                  |                   | 75             | 0                | 18.49                | 18.45                | 18.56                | 19.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 18700</b> | <b>Channel 18900</b> | <b>Channel 19100</b> | <b>Tune up</b> |
| <b>20MHz</b>     | QPSK              | 1              | 0                | 18.84                | 18.87                | 18.9                 | 19.5           |
|                  |                   | 1              | 50               | 18.59                | 18.58                | 18.44                | 19.5           |
|                  |                   | 1              | 99               | 18.71                | 18.64                | 18.72                | 19.5           |
|                  |                   | 50             | 0                | 18.67                | 18.75                | 18.72                | 19.5           |
|                  |                   | 50             | 25               | 18.75                | 18.7                 | 18.66                | 19.5           |
|                  |                   | 50             | 50               | 18.67                | 18.68                | 18.69                | 19.5           |
|                  |                   | 100            | 0                | 18.79                | 18.69                | 18.77                | 19.5           |
|                  | 16QAM             | 1              | 0                | 19.59                | 19.41                | 19.06                | 19.5           |
|                  |                   | 1              | 50               | 19.15                | 18.13                | 19.11                | 19.5           |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 1   | 99 | 19.17 | 19.19 | 19.02 | 19.5 |
|  |       | 50  | 0  | 18.66 | 18.72 | 18.68 | 19.5 |
|  |       | 50  | 25 | 18.58 | 18.66 | 18.59 | 19.5 |
|  |       | 50  | 50 | 18.6  | 18.6  | 18.61 | 19.5 |
|  |       | 100 | 0  | 18.72 | 18.63 | 18.6  | 19.5 |
|  | 64QAM | 1   | 0  | 18.55 | 18.66 | 18.61 | 19.5 |
|  |       | 1   | 50 | 18.25 | 18.44 | 18.45 | 19.5 |
|  |       | 1   | 99 | 18.6  | 18.7  | 18.65 | 19.5 |
|  |       | 50  | 0  | 18.55 | 18.42 | 18.66 | 19.5 |
|  |       | 50  | 25 | 18.39 | 18.48 | 18.3  | 19.5 |
|  |       | 50  | 50 | 18.43 | 18.37 | 18.28 | 19.5 |
|  |       | 100 | 0  | 18.56 | 18.41 | 18.59 | 19.5 |

| LTE Band 2 Receiver on(Left head) + WiFi2.4G<br>Ant1 |            |            |              | Conducted Power(dBm) |         |         |         |
|--|------------|------------|--------------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|  |            |            |              | 18607                | 18900   | 19193   |         |
| 1.4MHz   | QPSK       | 1          | 0            | 14.21                | 14.2    | 14.21   | 15      |
|  |            | 1          | 2            | 14.13                | 13.25   | 13.75   | 15      |
|  |            | 1          | 5            | 14.18                | 14.04   | 14.13   | 15      |
|  |            | 3          | 0            | 14.24                | 13.87   | 14.09   | 15      |
|  |            | 3          | 2            | 14.26                | 14.18   | 14.12   | 15      |
|  |            | 3          | 3            | 14.03                | 14.03   | 14.18   | 15      |
|  |            | 6          | 0            | 14.12                | 14.53   | 14.37   | 15      |
|  | 16QAM      | 1          | 0            | 14.79                | 14.24   | 14.42   | 15      |
|  |            | 1          | 2            | 14.73                | 13.37   | 14.15   | 15      |
|  |            | 1          | 5            | 14.54                | 14.46   | 14.7    | 15      |
|  |            | 3          | 0            | 14.09                | 14.58   | 13.71   | 15      |
|  |            | 3          | 2            | 14.22                | 13.23   | 13.82   | 15      |
|  |            | 3          | 3            | 14.5                 | 14.28   | 14.05   | 15      |
|  |            | 6          | 0            | 14                   | 14.13   | 14.26   | 15      |
|  | 64QAM      | 1          | 0            | 14.05                | 14.05   | 13.97   | 15      |
|  |            | 1          | 2            | 13.67                | 14.01   | 13.93   | 15      |
|  |            | 1          | 5            | 14.06                | 14.14   | 14.05   | 15      |
|  |            | 3          | 0            | 13.93                | 13.87   | 14.02   | 15      |
|  |            | 3          | 2            | 13.78                | 13.91   | 13.7    | 15      |
|  |            | 3          | 3            | 13.9                 | 13.78   | 13.72   | 15      |
|  |            | 6          | 0            | 13.95                | 13.92   | 14.05   | 15      |
| Bandwidth  | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
| 3MHz   | QPSK       | 1          | 0            | 14.14                | 14.18   | 14.08   | 15      |
|  |            | 1          | 7            | 14.39                | 14.02   | 13.9    | 15      |
|  |            | 1          | 14           | 14.07                | 14.24   | 14.03   | 15      |
|  |            | 8          | 0            | 14.16                | 14.15   | 14.07   | 15      |
|  |            | 8          | 4            | 14.29                | 13.75   | 14.06   | 15      |
|  |            | 8          | 7            | 14.04                | 13.97   | 14.15   | 15      |

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|           | 16QAM      | 15      | 0         | 14.15         | 14.1          | 14.3          | 15      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 14.79         | 14            | 14.56         | 15      |
|           |            | 1       | 7         | 13.59         | 13.2          | 13.64         | 15      |
|           |            | 1       | 14        | 14.31         | 13.72         | 14.58         | 15      |
|           |            | 8       | 0         | 14.23         | 14.06         | 14.12         | 15      |
|           |            | 8       | 4         | 14.15         | 13.89         | 14.18         | 15      |
|           |            | 8       | 7         | 14.08         | 14.18         | 14.2          | 15      |
|           |            | 15      | 0         | 14.1          | 14.26         | 14.23         | 15      |
|           | 64QAM      | 1       | 0         | 14.04         | 14.05         | 14.04         | 15      |
|           |            | 1       | 7         | 13.67         | 13.96         | 13.86         | 15      |
|           |            | 1       | 14        | 14.12         | 14.15         | 14.07         | 15      |
|           |            | 8       | 0         | 13.92         | 13.88         | 14            | 15      |
|           |            | 8       | 4         | 13.76         | 13.89         | 13.77         | 15      |
|           |            | 8       | 7         | 13.83         | 13.78         | 13.74         | 15      |
|           |            | 15      | 0         | 13.95         | 13.93         | 14.01         | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel 18625 | Channel 18900 | Channel 19175 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 14.28         | 14.06         | 14            | 15      |
|           |            | 1       | 13        | 14.13         | 14.11         | 14.38         | 15      |
|           |            | 1       | 24        | 14.15         | 14.11         | 14.21         | 15      |
|           |            | 12      | 0         | 14.25         | 14.2          | 14.2          | 15      |
|           |            | 12      | 6         | 14.09         | 14.21         | 13.86         | 15      |
|           |            | 12      | 13        | 14.25         | 14.3          | 14.16         | 15      |
|           |            | 25      | 0         | 14.17         | 14.3          | 14.16         | 15      |
|           | 16QAM      | 1       | 0         | 14.49         | 14.84         | 14.65         | 15      |
|           |            | 1       | 13        | 14.49         | 14.86         | 14.61         | 15      |
|           |            | 1       | 24        | 14.39         | 14.4          | 14.56         | 15      |
|           |            | 12      | 0         | 14.21         | 14.17         | 14.23         | 15      |
|           |            | 12      | 6         | 14.09         | 14.07         | 14.21         | 15      |
|           |            | 12      | 13        | 14.23         | 14.2          | 14.22         | 15      |
|           |            | 25      | 0         | 14.06         | 14.2          | 14.26         | 15      |
|           | 64QAM      | 1       | 0         | 14.07         | 14.08         | 14            | 15      |
|           |            | 1       | 13        | 13.62         | 13.94         | 13.86         | 15      |
|           |            | 1       | 24        | 14.09         | 14.09         | 14.04         | 15      |
|           |            | 12      | 0         | 13.95         | 13.87         | 14.07         | 15      |
|           |            | 12      | 6         | 13.77         | 13.85         | 13.79         | 15      |
|           |            | 12      | 13        | 13.87         | 13.78         | 13.76         | 15      |
|           |            | 25      | 0         | 13.97         | 13.9          | 14.01         | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel 18650 | Channel 18900 | Channel 19150 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 14.27         | 14.21         | 14.03         | 15      |
|           |            | 1       | 25        | 14.41         | 14.47         | 13.75         | 15      |
|           |            | 1       | 49        | 14.02         | 14.08         | 14.15         | 15      |
|           |            | 25      | 0         | 14.22         | 14.26         | 14.14         | 15      |
|           |            | 25      | 13        | 14.19         | 14.08         | 14.14         | 15      |
|           |            | 25      | 25        | 14.17         | 14.21         | 14.2          | 15      |
|           |            | 50      | 0         | 14.1          | 14.17         | 14.14         | 15      |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  | 16QAM             | 1              | 0                | 14.14                | 15.08                | 14.48                | 15             |
|                  |                   | 1              | 25               | 13.91                | 14.57                | 14.48                | 15             |
|                  |                   | 1              | 49               | 14.5                 | 14.49                | 14.55                | 15             |
|                  |                   | 25             | 0                | 14.11                | 14.07                | 14.09                | 15             |
|                  |                   | 25             | 13               | 14.03                | 14.12                | 14.11                | 15             |
|                  |                   | 25             | 25               | 14.15                | 14.08                | 14.05                | 15             |
|                  |                   | 50             | 0                | 14.1                 | 14.03                | 14.11                | 15             |
|                  | 64QAM             | 1              | 0                | 14.07                | 14.06                | 14.01                | 15             |
|                  |                   | 1              | 25               | 13.69                | 13.95                | 13.9                 | 15             |
|                  |                   | 1              | 49               | 14.1                 | 14.1                 | 14.08                | 15             |
|                  |                   | 25             | 0                | 13.9                 | 13.87                | 14.09                | 15             |
|                  |                   | 25             | 13               | 13.84                | 13.84                | 13.71                | 15             |
|                  |                   | 25             | 25               | 13.89                | 13.75                | 13.79                | 15             |
|                  |                   | 50             | 0                | 14.04                | 13.88                | 14.04                | 15             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 18675</b> | <b>Channel 18900</b> | <b>Channel 19125</b> | <b>Tune up</b> |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 14.18                | 14.29                | 14.13                | 15             |
|                  |                   | 1              | 38               | 14.09                | 14.02                | 14.33                | 15             |
|                  |                   | 1              | 74               | 14.06                | 13.95                | 14.12                | 15             |
|                  |                   | 36             | 0                | 14.24                | 14.25                | 14.21                | 15             |
|                  |                   | 36             | 18               | 14.2                 | 14.22                | 14.27                | 15             |
|                  |                   | 36             | 39               | 14.22                | 14.21                | 14.21                | 15             |
|                  |                   | 75             | 0                | 14.23                | 14.18                | 14.09                | 15             |
|                  | 16QAM             | 1              | 0                | 14.67                | 14.84                | 14.57                | 15             |
|                  |                   | 1              | 38               | 14.83                | 14.64                | 14.52                | 15             |
|                  |                   | 1              | 74               | 14.64                | 14.31                | 14.4                 | 15             |
|                  |                   | 36             | 0                | 14.09                | 14.14                | 14.13                | 15             |
|                  |                   | 36             | 18               | 14.14                | 14.16                | 14.23                | 15             |
|                  |                   | 36             | 39               | 14.18                | 14.09                | 14.17                | 15             |
|                  |                   | 75             | 0                | 14.1                 | 14.01                | 13.99                | 15             |
|                  | 64QAM             | 1              | 0                | 14.07                | 14.03                | 14.03                | 15             |
|                  |                   | 1              | 38               | 13.63                | 13.97                | 13.87                | 15             |
|                  |                   | 1              | 74               | 14.13                | 14.11                | 14.08                | 15             |
|                  |                   | 36             | 0                | 13.91                | 13.92                | 14.04                | 15             |
|                  |                   | 36             | 18               | 13.82                | 13.86                | 13.72                | 15             |
|                  |                   | 36             | 39               | 13.88                | 13.83                | 13.77                | 15             |
|                  |                   | 75             | 0                | 13.99                | 13.88                | 14.01                | 15             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 18700</b> | <b>Channel 18900</b> | <b>Channel 19100</b> | <b>Tune up</b> |
| <b>20MHz</b>     | QPSK              | 1              | 0                | 14.4                 | 14.29                | 14.22                | 15             |
|                  |                   | 1              | 50               | 14.28                | 13.87                | 13.51                | 15             |
|                  |                   | 1              | 99               | 14.24                | 14.25                | 14.45                | 15             |
|                  |                   | 50             | 0                | 14.24                | 14.24                | 14.23                | 15             |
|                  |                   | 50             | 25               | 14.17                | 14.27                | 14.13                | 15             |
|                  |                   | 50             | 50               | 14.21                | 14.1                 | 14.21                | 15             |
|                  |                   | 100            | 0                | 14.24                | 14.08                | 14.26                | 15             |
|                  | 16QAM             | 1              | 0                | 14.62                | 14.67                | 14.33                | 15             |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  |       | 1   | 50 | 14.19 | 14.73 | 13.86 | 15 |
|  |       | 1   | 99 | 14.53 | 14.39 | 14.66 | 15 |
|  |       | 50  | 0  | 14.19 | 14.2  | 14.16 | 15 |
|  |       | 50  | 25 | 14.1  | 14.13 | 14.16 | 15 |
|  |       | 50  | 50 | 14.05 | 14.09 | 14.12 | 15 |
|  |       | 100 | 0  | 14.23 | 14.14 | 14.25 | 15 |
|  | 64QAM | 1   | 0  | 14.1  | 14.12 | 14.02 | 15 |
|  |       | 1   | 50 | 13.67 | 14.01 | 13.9  | 15 |
|  |       | 1   | 99 | 14.05 | 14.09 | 14.11 | 15 |
|  |       | 50  | 0  | 13.93 | 13.88 | 14.04 | 15 |
|  |       | 50  | 25 | 13.79 | 13.85 | 13.75 | 15 |
|  |       | 50  | 50 | 13.85 | 13.76 | 13.78 | 15 |
|  |       | 100 | 0  | 14.04 | 13.87 | 14.07 | 15 |

| LTE Band 2 Receiver on(Right head) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 12.24                | 12.27   | 12.13   | 13      |
|  |            | 1       | 2         | 11.34                | 12.27   | 12.2    | 13      |
|  |            | 1       | 5         | 12.25                | 12.05   | 12.19   | 13      |
|  |            | 3       | 0         | 12.26                | 12.17   | 11.94   | 13      |
|  |            | 3       | 2         | 12.06                | 12.14   | 12.45   | 13      |
|  |            | 3       | 3         | 11.83                | 12.25   | 12.28   | 13      |
|  |            | 6       | 0         | 12.05                | 11.97   | 12.3    | 13      |
|  | 16QAM      | 1       | 0         | 12.84                | 12.69   | 12.46   | 13      |
|  |            | 1       | 2         | 11.97                | 11.92   | 11.61   | 13      |
|  |            | 1       | 5         | 12.62                | 12.55   | 12.41   | 13      |
|  |            | 3       | 0         | 11.84                | 12.33   | 11.8    | 13      |
|  |            | 3       | 2         | 12.15                | 12.14   | 11.83   | 13      |
|  |            | 3       | 3         | 11.97                | 12.15   | 11.73   | 13      |
|  |            | 6       | 0         | 12.32                | 12.34   | 12.2    | 13      |
|  | 64QAM      | 1       | 0         | 12.06                | 12.22   | 12.09   | 13      |
|  |            | 1       | 2         | 11.67                | 12.06   | 12.07   | 13      |
|  |            | 1       | 5         | 12.24                | 12.17   | 12.15   | 13      |
|  |            | 3       | 0         | 12.03                | 11.97   | 12.04   | 13      |
|  |            | 3       | 2         | 11.95                | 12.02   | 11.71   | 13      |
|  |            | 3       | 3         | 12.02                | 11.84   | 11.87   | 13      |
|  |            | 6       | 0         | 11.96                | 11.98   | 12.23   | 13      |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz   | QPSK       | 1       | 0         | 12.09                | 12.22   | 12.14   | 13      |
|  |            | 1       | 7         | 12.25                | 11.21   | 11.63   | 13      |
|  |            | 1       | 14        | 12.21                | 12.05   | 12.14   | 13      |
|  |            | 8       | 0         | 12.23                | 12.08   | 12.21   | 13      |
|  |            | 8       | 4         | 12.05                | 11.98   | 12      | 13      |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 12.02   | 12.09   | 12.22   | 13      |
|           |            | 15      | 0         | 11.99   | 12.27   | 12.22   | 13      |
|           | 16QAM      | 1       | 0         | 12.81   | 12.5    | 12.17   | 13      |
|           |            | 1       | 7         | 11.71   | 12.11   | 12.16   | 13      |
|           |            | 1       | 14        | 12.4    | 12.51   | 12.4    | 13      |
|           |            | 8       | 0         | 12.1    | 12.08   | 12.07   | 13      |
|           |            | 8       | 4         | 12.06   | 11.88   | 12.05   | 13      |
|           |            | 8       | 7         | 12.13   | 12.05   | 12.08   | 13      |
|           |            | 15      | 0         | 12.12   | 12.13   | 11.88   | 13      |
|           | 64QAM      | 1       | 0         | 12.08   | 12.1    | 12.05   | 13      |
|           |            | 1       | 7         | 11.78   | 12.06   | 12.03   | 13      |
|           |            | 1       | 14        | 12.19   | 12.15   | 12.19   | 13      |
|           |            | 8       | 0         | 12.11   | 11.98   | 12.19   | 13      |
|           |            | 8       | 4         | 11.9    | 11.98   | 11.86   | 13      |
|           |            | 8       | 7         | 11.91   | 11.83   | 11.84   | 13      |
|           |            | 15      | 0         | 12.11   | 11.96   | 12.13   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 12.19   | 12.23   | 12      | 13      |
|           |            | 1       | 13        | 12.06   | 12.12   | 12.19   | 13      |
|           |            | 1       | 24        | 12.15   | 12.05   | 12.27   | 13      |
|           |            | 12      | 0         | 12.33   | 12.21   | 12.2    | 13      |
|           |            | 12      | 6         | 12.12   | 12.08   | 12.2    | 13      |
|           |            | 12      | 13        | 12.21   | 12.16   | 12.18   | 13      |
|           |            | 25      | 0         | 12.1    | 12.16   | 11.99   | 13      |
|           | 16QAM      | 1       | 0         | 12.81   | 12.42   | 12.68   | 13      |
|           |            | 1       | 13        | 12.58   | 12.71   | 12.36   | 13      |
|           |            | 1       | 24        | 12.66   | 11.96   | 12.15   | 13      |
|           |            | 12      | 0         | 12.15   | 12.18   | 12.19   | 13      |
|           |            | 12      | 6         | 12.26   | 12.26   | 12.29   | 13      |
|           |            | 12      | 13        | 12.22   | 12.17   | 12.26   | 13      |
|           |            | 25      | 0         | 12.25   | 12.12   | 12.2    | 13      |
|           | 64QAM      | 1       | 0         | 12.18   | 12.09   | 12.06   | 13      |
|           |            | 1       | 13        | 11.79   | 12.02   | 12.06   | 13      |
|           |            | 1       | 24        | 12.19   | 12.26   | 12.18   | 13      |
|           |            | 12      | 0         | 12.03   | 11.9    | 12.06   | 13      |
|           |            | 12      | 6         | 11.84   | 11.97   | 11.72   | 13      |
|           |            | 12      | 13        | 11.92   | 11.82   | 11.72   | 13      |
|           |            | 25      | 0         | 12.03   | 12.09   | 12.19   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 12.17   | 12.21   | 12.2    | 13      |
|           |            | 1       | 25        | 11.59   | 12.07   | 11.28   | 13      |
|           |            | 1       | 49        | 12.16   | 12.21   | 12.19   | 13      |
|           |            | 25      | 0         | 12.23   | 12.24   | 12.21   | 13      |
|           |            | 25      | 13        | 12.2    | 12.15   | 12.16   | 13      |
|           |            | 25      | 25        | 12.19   | 12.09   | 12.16   | 13      |

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|           | 16QAM      | 50      | 0         | 12.24         | 12.2          | 12.14         | 13      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 12.79         | 12.57         | 12.55         | 13      |
|           |            | 1       | 25        | 11.99         | 12.01         | 12.39         | 13      |
|           |            | 1       | 49        | 12.89         | 12.5          | 12.51         | 13      |
|           |            | 25      | 0         | 12.14         | 12.09         | 12.15         | 13      |
|           |            | 25      | 13        | 12.09         | 12.21         | 12.18         | 13      |
|           |            | 25      | 25        | 12.08         | 12.09         | 12.08         | 13      |
|           |            | 50      | 0         | 12.04         | 12.18         | 12.11         | 13      |
|           | 64QAM      | 1       | 0         | 12.19         | 12.1          | 11.98         | 13      |
|           |            | 1       | 25        | 11.84         | 12.16         | 12.09         | 13      |
|           |            | 1       | 49        | 12.14         | 12.26         | 12.15         | 13      |
|           |            | 25      | 0         | 12.1          | 11.98         | 12.2          | 13      |
|           |            | 25      | 13        | 11.79         | 11.91         | 11.86         | 13      |
|           |            | 25      | 25        | 11.97         | 11.83         | 11.8          | 13      |
|           |            | 50      | 0         | 12.02         | 12.06         | 12.1          | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel 18675 | Channel 18900 | Channel 19125 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 12.12         | 12.29         | 12.21         | 13      |
|           |            | 1       | 38        | 12.09         | 12.17         | 12.14         | 13      |
|           |            | 1       | 74        | 12.08         | 12.09         | 11.94         | 13      |
|           |            | 36      | 0         | 12.22         | 12.26         | 12.15         | 13      |
|           |            | 36      | 18        | 12.18         | 12.19         | 12.21         | 13      |
|           |            | 36      | 39        | 12.13         | 12.19         | 12.21         | 13      |
|           |            | 75      | 0         | 12.28         | 12.27         | 12.21         | 13      |
|           | 16QAM      | 1       | 0         | 12.45         | 12.43         | 12.61         | 13      |
|           |            | 1       | 38        | 12.7          | 12.77         | 12.49         | 13      |
|           |            | 1       | 74        | 12.6          | 12.55         | 12.48         | 13      |
|           |            | 36      | 0         | 12.18         | 12.22         | 12.18         | 13      |
|           |            | 36      | 18        | 12.12         | 12.16         | 12.07         | 13      |
|           |            | 36      | 39        | 12.09         | 12.17         | 11.98         | 13      |
|           |            | 75      | 0         | 12.01         | 12.2          | 12.13         | 13      |
|           | 64QAM      | 1       | 0         | 12.1          | 12.09         | 12.12         | 13      |
|           |            | 1       | 38        | 11.79         | 12.08         | 12.01         | 13      |
|           |            | 1       | 74        | 12.08         | 12.21         | 12.05         | 13      |
|           |            | 36      | 0         | 12.09         | 11.88         | 12.04         | 13      |
|           |            | 36      | 18        | 11.88         | 12.04         | 11.84         | 13      |
|           |            | 36      | 39        | 12.02         | 11.79         | 11.82         | 13      |
|           |            | 75      | 0         | 11.98         | 12.07         | 12.21         | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel 18700 | Channel 18900 | Channel 19100 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 12.28         | 12.34         | 12.37         | 13      |
|           |            | 1       | 50        | 12.58         | 11.97         | 11.76         | 13      |
|           |            | 1       | 99        | 12.19         | 12.07         | 12.27         | 13      |
|           |            | 50      | 0         | 12.16         | 12.13         | 12.13         | 13      |
|           |            | 50      | 25        | 12.11         | 12.14         | 12.11         | 13      |
|           |            | 50      | 50        | 12.13         | 12.24         | 12.24         | 13      |
|           |            | 100     | 0         | 12.18         | 12.2          | 12.23         | 13      |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  | 16QAM | 1   | 0  | 12.77 | 12.84 | 12.71 | 13 |
|  |       | 1   | 50 | 12.34 | 12.19 | 12.07 | 13 |
|  |       | 1   | 99 | 12.64 | 12.26 | 12.51 | 13 |
|  |       | 50  | 0  | 12.09 | 12.21 | 12.2  | 13 |
|  |       | 50  | 25 | 12.16 | 12.15 | 12.1  | 13 |
|  |       | 50  | 50 | 12.11 | 12.03 | 11.99 | 13 |
|  |       | 100 | 0  | 12.12 | 12.16 | 12.02 | 13 |
|  | 64QAM | 1   | 0  | 12.13 | 12.22 | 12.1  | 13 |
|  |       | 1   | 50 | 11.69 | 12.15 | 11.99 | 13 |
|  |       | 1   | 99 | 12.22 | 12.14 | 12.21 | 13 |
|  |       | 50  | 0  | 11.94 | 12.04 | 12.02 | 13 |
|  |       | 50  | 25 | 11.84 | 12.02 | 11.87 | 13 |
|  |       | 50  | 50 | 11.91 | 11.88 | 11.82 | 13 |
|  |       | 100 | 0  | 12.02 | 12    | 12.15 | 13 |

| LTE Band 2 Receiver off (body or limbs) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel 18607        | Channel 18900 | Channel 19193 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 17.64                | 17.72         | 17.78         | 18.5    |
|   |            | 1       | 2         | 17.64                | 17.79         | 18.02         | 18.5    |
|   |            | 1       | 5         | 17.67                | 17.64         | 17.78         | 18.5    |
|   |            | 3       | 0         | 17.68                | 17.75         | 17.61         | 18.5    |
|   |            | 3       | 2         | 17.51                | 17.46         | 17.44         | 18.5    |
|   |            | 3       | 3         | 17.67                | 17.77         | 17.65         | 18.5    |
|   |            | 6       | 0         | 17.58                | 17.62         | 17.65         | 18.5    |
|   | 16QAM      | 1       | 0         | 18.22                | 18            | 17.93         | 18.5    |
|   |            | 1       | 2         | 18.06                | 18.03         | 18.04         | 18.5    |
|   |            | 1       | 5         | 18.1                 | 18.25         | 18.04         | 18.5    |
|   |            | 3       | 0         | 17.95                | 17.69         | 17.8          | 18.5    |
|   |            | 3       | 2         | 17.74                | 17.45         | 17.43         | 18.5    |
|   |            | 3       | 3         | 17.95                | 17.83         | 17.48         | 18.5    |
|   |            | 6       | 0         | 17.54                | 17.51         | 17.41         | 18.5    |
|   | 64QAM      | 1       | 0         | 17.55                | 17.64         | 17.52         | 18.5    |
|   |            | 1       | 2         | 17.17                | 17.65         | 17.45         | 18.5    |
|   |            | 1       | 5         | 17.68                | 17.59         | 17.68         | 18.5    |
|   |            | 3       | 0         | 17.41                | 17.48         | 17.45         | 18.5    |
|   |            | 3       | 2         | 17.26                | 17.47         | 17.29         | 18.5    |
|   |            | 3       | 3         | 17.4                 | 17.29         | 17.25         | 18.5    |
|   |            | 6       | 0         | 17.47                | 17.46         | 17.63         | 18.5    |
| Bandwidth   | Modulation | RB size | RB offset | Channel 18615        | Channel 18900 | Channel 19185 | Tune up |
| 3MHz  | QPSK       | 1       | 0         | 17.76                | 17.69         | 17.74         | 18.5    |
|   |            | 1       | 7         | 17.62                | 16.95         | 15.86         | 18.5    |
|   |            | 1       | 14        | 17.7                 | 17.77         | 17.6          | 18.5    |
|   |            | 8       | 0         | 17.61                | 17.7          | 17.52         | 18.5    |

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|           |            | 8       | 4         | 17.67         | 17.61         | 17.65         | 18.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 8       | 7         | 17.75         | 17.68         | 17.7          | 18.5    |
|           |            | 15      | 0         | 17.75         | 17.62         | 17.64         | 18.5    |
|           | 16QAM      | 1       | 0         | 17.74         | 17.52         | 17.93         | 18.5    |
|           |            | 1       | 7         | 17.79         | 17.76         | 17.2          | 18.5    |
|           |            | 1       | 14        | 17.89         | 18.11         | 18.37         | 18.5    |
|           |            | 8       | 0         | 17.55         | 17.59         | 17.61         | 18.5    |
|           |            | 8       | 4         | 17.45         | 17.62         | 17.64         | 18.5    |
|           |            | 8       | 7         | 17.45         | 17.78         | 17.48         | 18.5    |
|           |            | 15      | 0         | 17.67         | 17.61         | 17.68         | 18.5    |
|           |            | 1       | 0         | 17.6          | 17.63         | 17.58         | 18.5    |
|           | 64QAM      | 1       | 7         | 17.17         | 17.62         | 17.48         | 18.5    |
|           |            | 1       | 14        | 17.65         | 17.63         | 17.7          | 18.5    |
|           |            | 8       | 0         | 17.36         | 17.47         | 17.43         | 18.5    |
|           |            | 8       | 4         | 17.31         | 17.51         | 17.34         | 18.5    |
|           |            | 8       | 7         | 17.32         | 17.29         | 17.24         | 18.5    |
|           |            | 15      | 0         | 17.44         | 17.4          | 17.63         | 18.5    |
|           |            | 15      | 0         | 17.44         | 17.4          | 17.63         | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 18625 | Channel 18900 | Channel 19175 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 17.77         | 17.66         | 17.75         | 18.5    |
|           |            | 1       | 13        | 17.71         | 17.77         | 17.64         | 18.5    |
|           |            | 1       | 24        | 17.7          | 17.74         | 17.67         | 18.5    |
|           |            | 12      | 0         | 17.78         | 17.73         | 17.79         | 18.5    |
|           |            | 12      | 6         | 17.78         | 17.58         | 17.43         | 18.5    |
|           |            | 12      | 13        | 17.75         | 17.71         | 17.76         | 18.5    |
|           |            | 25      | 0         | 17.85         | 17.65         | 17.75         | 18.5    |
|           | 16QAM      | 1       | 0         | 17.59         | 18            | 18.06         | 18.5    |
|           |            | 1       | 13        | 18.01         | 18.01         | 17.95         | 18.5    |
|           |            | 1       | 24        | 17.57         | 17.78         | 18.03         | 18.5    |
|           |            | 12      | 0         | 17.73         | 17.73         | 17.78         | 18.5    |
|           |            | 12      | 6         | 17.37         | 17.7          | 17.8          | 18.5    |
|           |            | 12      | 13        | 17.69         | 17.67         | 17.74         | 18.5    |
|           |            | 25      | 0         | 17.79         | 17.62         | 17.56         | 18.5    |
|           | 64QAM      | 1       | 0         | 17.62         | 17.68         | 17.59         | 18.5    |
|           |            | 1       | 13        | 17.11         | 17.56         | 17.4          | 18.5    |
|           |            | 1       | 24        | 17.69         | 17.56         | 17.64         | 18.5    |
|           |            | 12      | 0         | 17.43         | 17.51         | 17.43         | 18.5    |
|           |            | 12      | 6         | 17.34         | 17.46         | 17.3          | 18.5    |
|           |            | 12      | 13        | 17.36         | 17.37         | 17.3          | 18.5    |
|           |            | 25      | 0         | 17.49         | 17.49         | 17.57         | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 18650 | Channel 18900 | Channel 19150 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 17.78         | 17.75         | 17.68         | 18.5    |
|           |            | 1       | 25        | 17.13         | 17.09         | 17.47         | 18.5    |
|           |            | 1       | 49        | 17.49         | 17.7          | 17.74         | 18.5    |
|           |            | 25      | 0         | 17.68         | 17.69         | 17.77         | 18.5    |
|           |            | 25      | 13        | 17.66         | 17.72         | 17.7          | 18.5    |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 25        | 17.76   | 17.64   | 17.63   | 18.5    |
|           |            | 50      | 0         | 17.7    | 17.65   | 17.68   | 18.5    |
|           | 16QAM      | 1       | 0         | 17.84   | 18.19   | 17.96   | 18.5    |
|           |            | 1       | 25        | 17.72   | 18.46   | 17.93   | 18.5    |
|           |            | 1       | 49        | 17.97   | 18.23   | 18.02   | 18.5    |
|           |            | 25      | 0         | 17.64   | 17.72   | 17.68   | 18.5    |
|           |            | 25      | 13        | 17.47   | 17.66   | 17.62   | 18.5    |
|           |            | 25      | 25        | 17.68   | 17.57   | 17.58   | 18.5    |
|           |            | 50      | 0         | 17.59   | 17.54   | 17.68   | 18.5    |
|           | 64QAM      | 1       | 0         | 17.55   | 17.67   | 17.55   | 18.5    |
|           |            | 1       | 25        | 17.12   | 17.55   | 17.42   | 18.5    |
|           |            | 1       | 49        | 17.71   | 17.55   | 17.66   | 18.5    |
|           |            | 25      | 0         | 17.43   | 17.51   | 17.45   | 18.5    |
|           |            | 25      | 13        | 17.25   | 17.42   | 17.33   | 18.5    |
|           |            | 25      | 25        | 17.34   | 17.31   | 17.28   | 18.5    |
|           |            | 50      | 0         | 17.44   | 17.45   | 17.56   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.62   | 17.74   | 17.73   | 18.5    |
|           |            | 1       | 38        | 17.76   | 17.69   | 17.73   | 18.5    |
|           |            | 1       | 74        | 17.52   | 17.58   | 17.67   | 18.5    |
|           |            | 36      | 0         | 17.68   | 17.73   | 17.77   | 18.5    |
|           |            | 36      | 18        | 17.77   | 17.7    | 17.77   | 18.5    |
|           |            | 36      | 39        | 17.71   | 17.69   | 17.7    | 18.5    |
|           |            | 75      | 0         | 17.69   | 17.69   | 17.69   | 18.5    |
|           | 16QAM      | 1       | 0         | 17.8    | 17.6    | 17.82   | 18.5    |
|           |            | 1       | 38        | 18.25   | 17.98   | 18.23   | 18.5    |
|           |            | 1       | 74        | 17.82   | 17.85   | 17.99   | 18.5    |
|           |            | 36      | 0         | 17.71   | 17.69   | 17.67   | 18.5    |
|           |            | 36      | 18        | 17.6    | 17.73   | 17.66   | 18.5    |
|           |            | 36      | 39        | 17.57   | 17.59   | 17.63   | 18.5    |
|           |            | 75      | 0         | 17.66   | 17.75   | 17.64   | 18.5    |
|           | 64QAM      | 1       | 0         | 17.59   | 17.65   | 17.56   | 18.5    |
|           |            | 1       | 38        | 17.1    | 17.55   | 17.46   | 18.5    |
|           |            | 1       | 74        | 17.68   | 17.63   | 17.69   | 18.5    |
|           |            | 36      | 0         | 17.43   | 17.46   | 17.51   | 18.5    |
|           |            | 36      | 18        | 17.27   | 17.46   | 17.29   | 18.5    |
|           |            | 36      | 39        | 17.4    | 17.3    | 17.32   | 18.5    |
|           |            | 75      | 0         | 17.48   | 17.5    | 17.58   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.85   | 17.91   | 17.78   | 18.5    |
|           |            | 1       | 50        | 17.27   | 17.13   | 17.16   | 18.5    |
|           |            | 1       | 99        | 17.79   | 17.74   | 17.73   | 18.5    |
|           |            | 50      | 0         | 17.78   | 17.71   | 17.76   | 18.5    |
|           |            | 50      | 25        | 17.63   | 17.73   | 17.6    | 18.5    |
|           |            | 50      | 50        | 17.72   | 17.72   | 17.76   | 18.5    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  | 16QAM | 100 | 0  | 17.73 | 17.76 | 17.79 | 18.5 |
|  |       | 1   | 0  | 17.9  | 18.13 | 18.19 | 18.5 |
|  |       | 1   | 50 | 17.84 | 17.62 | 16.83 | 18.5 |
|  |       | 1   | 99 | 18.06 | 18.03 | 18.01 | 18.5 |
|  |       | 50  | 0  | 17.72 | 17.79 | 17.76 | 18.5 |
|  |       | 50  | 25 | 17.59 | 17.64 | 17.71 | 18.5 |
|  |       | 50  | 50 | 17.67 | 17.73 | 17.71 | 18.5 |
|  |       | 100 | 0  | 17.7  | 17.7  | 17.64 | 18.5 |
|  | 64QAM | 1   | 0  | 17.59 | 17.71 | 17.53 | 18.5 |
|  |       | 1   | 50 | 17.17 | 17.63 | 17.44 | 18.5 |
|  |       | 1   | 99 | 17.63 | 17.61 | 17.68 | 18.5 |
|  |       | 50  | 0  | 17.4  | 17.53 | 17.43 | 18.5 |
|  |       | 50  | 25 | 17.25 | 17.44 | 17.3  | 18.5 |
|  |       | 50  | 50 | 17.33 | 17.37 | 17.23 | 18.5 |
|  |       | 100 | 0  | 17.46 | 17.47 | 17.62 | 18.5 |

| LTE Band 2 Receiver on(Left head) + WiFi5G<br>Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |                  |                  |         |
|--|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel<br>18607     | Channel<br>18900 | Channel<br>19193 | Tune up |
| 1.4MHz   | QPSK       | 1       | 0         | 12.23                | 12.21            | 12.18            | 13      |
|  |            | 1       | 2         | 12.46                | 12.14            | 11.05            | 13      |
|  |            | 1       | 5         | 12.12                | 12.26            | 12.34            | 13      |
|  |            | 3       | 0         | 12.19                | 12.13            | 11.74            | 13      |
|  |            | 3       | 2         | 12.22                | 12.22            | 12.08            | 13      |
|  |            | 3       | 3         | 12.32                | 12.2             | 11.8             | 13      |
|  |            | 6       | 0         | 11.94                | 12.05            | 12.16            | 13      |
|  | 16QAM      | 1       | 0         | 12.39                | 12.27            | 12.31            | 13      |
|  |            | 1       | 2         | 12.73                | 12.44            | 12.62            | 13      |
|  |            | 1       | 5         | 12.58                | 12               | 12.69            | 13      |
|  |            | 3       | 0         | 12.18                | 12.23            | 12.38            | 13      |
|  |            | 3       | 2         | 12.15                | 12.05            | 11.76            | 13      |
|  |            | 3       | 3         | 12.26                | 12.12            | 12.16            | 13      |
|  |            | 6       | 0         | 12.25                | 12.11            | 12.37            | 13      |
|  | 64QAM      | 1       | 0         | 12.09                | 12.21            | 12.05            | 13      |
|  |            | 1       | 2         | 11.68                | 12.11            | 11.91            | 13      |
|  |            | 1       | 5         | 12.22                | 12.1             | 12.16            | 13      |
|  |            | 3       | 0         | 11.88                | 12.03            | 11.95            | 13      |
|  |            | 3       | 2         | 11.79                | 11.95            | 11.86            | 13      |
|  |            | 3       | 3         | 11.86                | 11.84            | 11.79            | 13      |
|  |            | 6       | 0         | 11.94                | 11.93            | 12.09            | 13      |
| Bandwidth  | Modulation | RB size | RB offset | Channel<br>18615     | Channel<br>18900 | Channel<br>19185 | Tune up |
| 3MHz   | QPSK       | 1       | 0         | 12.19                | 12.14            | 12.14            | 13      |
|  |            | 1       | 7         | 12.49                | 12.46            | 11.77            | 13      |
|  |            | 1       | 14        | 12.15                | 12.22            | 12.25            | 13      |

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|           |            | 8       | 0         | 12.2    | 12.18   | 12.09   | 13      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 4         | 12.25   | 12.18   | 12.37   | 13      |
|           |            | 8       | 7         | 12.21   | 11.99   | 12.22   | 13      |
|           |            | 15      | 0         | 12.19   | 12.28   | 12.44   | 13      |
|           | 16QAM      | 1       | 0         | 12.66   | 12.9    | 11.97   | 13      |
|           |            | 1       | 7         | 12.24   | 12.06   | 11.81   | 13      |
|           |            | 1       | 14        | 12.55   | 12.78   | 12.08   | 13      |
|           |            | 8       | 0         | 12.11   | 12.09   | 12.23   | 13      |
|           |            | 8       | 4         | 11.85   | 12.25   | 12.03   | 13      |
|           |            | 8       | 7         | 11.84   | 12.1    | 12.21   | 13      |
|           |            | 15      | 0         | 11.94   | 12.2    | 12.24   | 13      |
|           | 64QAM      | 1       | 0         | 12.13   | 12.2    | 12.08   | 13      |
|           |            | 1       | 7         | 11.68   | 12.12   | 11.92   | 13      |
|           |            | 1       | 14        | 12.16   | 12.09   | 12.15   | 13      |
|           |            | 8       | 0         | 11.87   | 11.99   | 11.99   | 13      |
|           |            | 8       | 4         | 11.8    | 11.96   | 11.86   | 13      |
|           |            | 8       | 7         | 11.88   | 11.82   | 11.77   | 13      |
|           |            | 15      | 0         | 11.95   | 11.98   | 12.09   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 12.28   | 12.2    | 12.2    | 13      |
|           |            | 1       | 13        | 12.16   | 12.15   | 12.12   | 13      |
|           |            | 1       | 24        | 12.07   | 12.28   | 12.14   | 13      |
|           |            | 12      | 0         | 12.34   | 12.23   | 12.23   | 13      |
|           |            | 12      | 6         | 12.09   | 12.22   | 12.1    | 13      |
|           |            | 12      | 13        | 12.13   | 12.16   | 12.2    | 13      |
|           |            | 25      | 0         | 12.03   | 12.18   | 11.95   | 13      |
|           | 16QAM      | 1       | 0         | 12.69   | 12.69   | 12.44   | 13      |
|           |            | 1       | 13        | 12.6    | 12.61   | 12.79   | 13      |
|           |            | 1       | 24        | 12.6    | 12      | 12.75   | 13      |
|           |            | 12      | 0         | 12.01   | 12.18   | 12.11   | 13      |
|           |            | 12      | 6         | 12      | 12      | 12.08   | 13      |
|           |            | 12      | 13        | 12.05   | 12.22   | 12.16   | 13      |
|           |            | 25      | 0         | 12.2    | 11.9    | 12.2    | 13      |
|           | 64QAM      | 1       | 0         | 12.07   | 12.16   | 12.06   | 13      |
|           |            | 1       | 13        | 11.63   | 12.12   | 11.96   | 13      |
|           |            | 1       | 24        | 12.2    | 12.14   | 12.19   | 13      |
|           |            | 12      | 0         | 11.88   | 11.98   | 12      | 13      |
|           |            | 12      | 6         | 11.79   | 11.95   | 11.83   | 13      |
|           |            | 12      | 13        | 11.86   | 11.84   | 11.82   | 13      |
|           |            | 25      | 0         | 11.98   | 11.99   | 12.13   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 12.2    | 12.02   | 12.14   | 13      |
|           |            | 1       | 25        | 12.03   | 12.21   | 12.12   | 13      |
|           |            | 1       | 49        | 12.07   | 12.16   | 12.13   | 13      |
|           |            | 25      | 0         | 12.17   | 12.17   | 12.19   | 13      |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 25             | 13               | 12.09          | 12.19          | 12.25          | 13             |
|                  |                   | 25             | 25               | 12.18          | 12.2           | 12.21          | 13             |
|                  |                   | 50             | 0                | 12.2           | 12.23          | 12.22          | 13             |
|                  | 16QAM             | 1              | 0                | 12.42          | 12.63          | 12.43          | 13             |
|                  |                   | 1              | 25               | 12.42          | 12.62          | 12.35          | 13             |
|                  |                   | 1              | 49               | 12.59          | 12.03          | 12.39          | 13             |
|                  |                   | 25             | 0                | 12.18          | 12.15          | 12.11          | 13             |
|                  |                   | 25             | 13               | 12.21          | 12.11          | 12.15          | 13             |
|                  |                   | 25             | 25               | 12.08          | 12.13          | 11.92          | 13             |
|                  |                   | 50             | 0                | 12.13          | 12.22          | 11.97          | 13             |
|                  |                   | 1              | 0                | 12.08          | 12.21          | 12.09          | 13             |
|                  | 64QAM             | 1              | 25               | 11.66          | 12.13          | 11.95          | 13             |
|                  |                   | 1              | 49               | 12.17          | 12.07          | 12.2           | 13             |
|                  |                   | 25             | 0                | 11.9           | 11.99          | 11.95          | 13             |
|                  |                   | 25             | 13               | 11.77          | 12             | 11.81          | 13             |
|                  |                   | 25             | 25               | 11.84          | 11.82          | 11.78          | 13             |
|                  |                   | 50             | 0                | 11.97          | 11.99          | 12.15          | 13             |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 18675          | 18900          | 19125          |                |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 12.21          | 12.07          | 12.13          | 13             |
|                  |                   | 1              | 38               | 12.17          | 12.03          | 12.21          | 13             |
|                  |                   | 1              | 74               | 12.11          | 12.07          | 12.05          | 13             |
|                  |                   | 36             | 0                | 12.13          | 12.25          | 12.19          | 13             |
|                  |                   | 36             | 18               | 12.21          | 12.2           | 12.18          | 13             |
|                  |                   | 36             | 39               | 12.15          | 12.19          | 12.22          | 13             |
|                  |                   | 75             | 0                | 12.23          | 12.28          | 12.16          | 13             |
|                  |                   |                |                  |                |                |                |                |
|                  | 16QAM             | 1              | 0                | 12.39          | 12.51          | 12.43          | 13             |
|                  |                   | 1              | 38               | 12.54          | 12.91          | 12.41          | 13             |
|                  |                   | 1              | 74               | 12             | 12.67          | 12.61          | 13             |
|                  |                   | 36             | 0                | 12.22          | 12.28          | 12.19          | 13             |
|                  |                   | 36             | 18               | 12.07          | 12.17          | 12.19          | 13             |
|                  |                   | 36             | 39               | 12.1           | 12.1           | 12.02          | 13             |
|                  |                   | 75             | 0                | 12.25          | 12.22          | 12.07          | 13             |
|                  |                   |                |                  |                |                |                |                |
|                  | 64QAM             | 1              | 0                | 12.08          | 12.17          | 12.04          | 13             |
|                  |                   | 1              | 38               | 11.63          | 12.09          | 11.94          | 13             |
|                  |                   | 1              | 74               | 12.21          | 12.06          | 12.18          | 13             |
|                  |                   | 36             | 0                | 11.91          | 11.97          | 12             | 13             |
|                  |                   | 36             | 18               | 11.83          | 11.98          | 11.8           | 13             |
|                  |                   | 36             | 39               | 11.89          | 11.88          | 11.77          | 13             |
|                  |                   | 75             | 0                | 12.02          | 11.98          | 12.14          | 13             |
|                  |                   |                |                  |                |                |                |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 18700          | 18900          | 19100          |                |
| <b>20MHz</b>     | QPSK              | 1              | 0                | 12.34          | 12.3           | 12.25          | 13             |
|                  |                   | 1              | 50               | 12.37          | 11.67          | 11.97          | 13             |
|                  |                   | 1              | 99               | 12.18          | 12.23          | 12.25          | 13             |
|                  |                   | 50             | 0                | 12.18          | 12.26          | 12.15          | 13             |
|                  |                   | 50             | 25               | 12.14          | 12.15          | 12.16          | 13             |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  |       | 50  | 50 | 12.14 | 12.12 | 12.24 | 13 |
|  |       | 100 | 0  | 12.19 | 12.2  | 12.13 | 13 |
|  | 16QAM | 1   | 0  | 12.33 | 12.39 | 12.67 | 13 |
|  |       | 1   | 50 | 12.64 | 12.8  | 12.46 | 13 |
|  |       | 1   | 99 | 12.63 | 12.51 | 12.75 | 13 |
|  |       | 50  | 0  | 12.11 | 12.24 | 12.17 | 13 |
|  |       | 50  | 25 | 12.11 | 12.22 | 12.07 | 13 |
|  |       | 50  | 50 | 12.07 | 12.03 | 12.21 | 13 |
|  |       | 100 | 0  | 12.13 | 12.2  | 12.05 | 13 |
|  | 64QAM | 1   | 0  | 12.07 | 12.18 | 12.03 | 13 |
|  |       | 1   | 50 | 11.63 | 12.14 | 11.96 | 13 |
|  |       | 1   | 99 | 12.17 | 12.09 | 12.21 | 13 |
|  |       | 50  | 0  | 11.91 | 11.97 | 12    | 13 |
|  |       | 50  | 25 | 11.77 | 12.02 | 11.8  | 13 |
|  |       | 50  | 50 | 11.89 | 11.84 | 11.81 | 13 |
|  |       | 100 | 0  | 12.01 | 11.98 | 12.08 | 13 |

| LTE Band 2 Receiver on(Right head) + WiFi5G<br>Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 10.28                | 10.24   | 10.15   | 11      |
|   |            | 1       | 2         | 9.86                 | 9.34    | 9.73    | 11      |
|   |            | 1       | 5         | 10.23                | 10.23   | 10.12   | 11      |
|   |            | 3       | 0         | 10.19                | 10.14   | 9.98    | 11      |
|   |            | 3       | 2         | 10.19                | 10.47   | 9.9     | 11      |
|   |            | 3       | 3         | 10.12                | 9.5     | 10.15   | 11      |
|   |            | 6       | 0         | 10.14                | 10.14   | 10.24   | 11      |
|   | 16QAM      | 1       | 0         | 10.3                 | 10.47   | 10.6    | 11      |
|   |            | 1       | 2         | 9.49                 | 10.57   | 10.31   | 11      |
|   |            | 1       | 5         | 10.41                | 10.52   | 9.91    | 11      |
|   |            | 3       | 0         | 10.1                 | 10.1    | 10.02   | 11      |
|   |            | 3       | 2         | 10.29                | 10.32   | 9.98    | 11      |
|   |            | 3       | 3         | 10.04                | 9.97    | 9.97    | 11      |
|   |            | 6       | 0         | 9.86                 | 9.73    | 10.34   | 11      |
|   | 64QAM      | 1       | 0         | 10.09                | 10.22   | 10.08   | 11      |
|   |            | 1       | 2         | 9.65                 | 10.27   | 10.04   | 11      |
|   |            | 1       | 5         | 10.17                | 10.17   | 10.27   | 11      |
|   |            | 3       | 0         | 9.99                 | 10.05   | 10.08   | 11      |
|   |            | 3       | 2         | 9.79                 | 10.11   | 9.91    | 11      |
|   |            | 3       | 3         | 10.04                | 9.86    | 9.92    | 11      |
|   |            | 6       | 0         | 10.06                | 10      | 10.17   | 11      |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz  | QPSK       | 1       | 0         | 10.12                | 10.1    | 10.08   | 11      |
|   |            | 1       | 7         | 9.5                  | 9.59    | 9.29    | 11      |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 1              | 14               | 10.14          | 10.18          | 10.11          | 11             |
|                  |                   | 8              | 0                | 10.01          | 10.02          | 10.41          | 11             |
|                  |                   | 8              | 4                | 10.17          | 10.15          | 10.08          | 11             |
|                  |                   | 8              | 7                | 9.93           | 10.17          | 9.86           | 11             |
|                  |                   | 15             | 0                | 10.15          | 10.21          | 10.18          | 11             |
|                  | 16QAM             | 1              | 0                | 10.21          | 10.15          | 10.36          | 11             |
|                  |                   | 1              | 7                | 9.22           | 8.39           | 9.96           | 11             |
|                  |                   | 1              | 14               | 10.52          | 10.65          | 10.5           | 11             |
|                  |                   | 8              | 0                | 10.13          | 9.88           | 9.98           | 11             |
|                  |                   | 8              | 4                | 9.94           | 10.29          | 9.97           | 11             |
|                  |                   | 8              | 7                | 10.13          | 9.97           | 10.22          | 11             |
|                  |                   | 15             | 0                | 10.08          | 10.23          | 10.12          | 11             |
|                  | 64QAM             | 1              | 0                | 10.09          | 10.21          | 10.11          | 11             |
|                  |                   | 1              | 7                | 9.71           | 10.22          | 9.96           | 11             |
|                  |                   | 1              | 14               | 10.19          | 10.22          | 10.25          | 11             |
|                  |                   | 8              | 0                | 10.03          | 10.05          | 10.05          | 11             |
|                  |                   | 8              | 4                | 9.81           | 10.13          | 9.89           | 11             |
|                  |                   | 8              | 7                | 9.95           | 9.91           | 9.94           | 11             |
|                  |                   | 15             | 0                | 10.07          | 10.11          | 10.1           | 11             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 18625          | 18900          | 19175          |                |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 10.17          | 10.11          | 10.13          | 11             |
|                  |                   | 1              | 13               | 10.05          | 10.11          | 10.15          | 11             |
|                  |                   | 1              | 24               | 10.05          | 10.13          | 10.25          | 11             |
|                  |                   | 12             | 0                | 10.21          | 10.17          | 10.16          | 11             |
|                  |                   | 12             | 6                | 10.24          | 10.19          | 10.17          | 11             |
|                  |                   | 12             | 13               | 10.22          | 10.15          | 10.15          | 11             |
|                  |                   | 25             | 0                | 10.2           | 10.13          | 10.24          | 11             |
|                  | 16QAM             | 1              | 0                | 10.58          | 10.59          | 9.62           | 11             |
|                  |                   | 1              | 13               | 10.62          | 10.53          | 10.66          | 11             |
|                  |                   | 1              | 24               | 10.35          | 10.41          | 10.62          | 11             |
|                  |                   | 12             | 0                | 10.32          | 10.22          | 10.2           | 11             |
|                  |                   | 12             | 6                | 10.21          | 10.01          | 10.17          | 11             |
|                  |                   | 12             | 13               | 10.15          | 10.24          | 10.3           | 11             |
|                  |                   | 25             | 0                | 10.15          | 10.02          | 10.03          | 11             |
|                  | 64QAM             | 1              | 0                | 10.07          | 10.25          | 10.16          | 11             |
|                  |                   | 1              | 13               | 9.67           | 10.25          | 10.01          | 11             |
|                  |                   | 1              | 24               | 10.28          | 10.15          | 10.21          | 11             |
|                  |                   | 12             | 0                | 9.94           | 10             | 10.07          | 11             |
|                  |                   | 12             | 6                | 9.9            | 10.06          | 9.94           | 11             |
|                  |                   | 12             | 13               | 9.96           | 9.99           | 9.92           | 11             |
|                  |                   | 25             | 0                | 10.16          | 9.99           | 10.14          | 11             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 18650          | 18900          | 19150          |                |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 10.15          | 10.12          | 10.24          | 11             |
|                  |                   | 1              | 25               | 9.4            | 9.9            | 9.81           | 11             |
|                  |                   | 1              | 49               | 10.11          | 10.15          | 10.21          | 11             |

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|           |            |            |           |           |         |         |         |         |
|-----------|------------|------------|-----------|-----------|---------|---------|---------|---------|
|           |            | 25         | 0         | 10.15     | 10.22   | 10.25   | 11      |         |
|           |            | 25         | 13        | 10.02     | 10.16   | 10.18   | 11      |         |
|           |            | 25         | 25        | 10.12     | 10.17   | 10.11   | 11      |         |
|           |            | 50         | 0         | 10.16     | 10.18   | 10.15   | 11      |         |
|           | 16QAM      | 1          | 0         | 10.61     | 10.47   | 10.37   | 11      |         |
|           |            | 1          | 25        | 10.35     | 10.03   | 10.1    | 11      |         |
|           |            | 1          | 49        | 10.55     | 10.4    | 10.25   | 11      |         |
|           |            | 25         | 0         | 10.01     | 10.1    | 10.16   | 11      |         |
|           |            | 25         | 13        | 10.03     | 10.05   | 10.05   | 11      |         |
|           |            | 25         | 25        | 10.13     | 10.16   | 10.12   | 11      |         |
|           |            | 50         | 0         | 10.05     | 10.14   | 10.05   | 11      |         |
|           |            | 64QAM      | 1         | 0         | 10.2    | 10.23   | 10.11   | 11      |
|           | 1          |            | 25        | 9.69      | 10.24   | 10.06   | 11      |         |
|           | 1          |            | 49        | 10.17     | 10.12   | 10.34   | 11      |         |
|           | 25         |            | 0         | 9.92      | 9.98    | 10.1    | 11      |         |
|           | 25         |            | 13        | 9.87      | 10.09   | 9.83    | 11      |         |
|           | 25         |            | 25        | 9.92      | 9.96    | 9.91    | 11      |         |
|           | 50         |            | 0         | 10.02     | 10.1    | 10.15   | 11      |         |
| Bandwidth | Modulation | RB size    | RB offset | Channel   | Channel | Channel | Tune up |         |
|           |            |            |           | 18675     | 18900   | 19125   |         |         |
| 15MHz     | QPSK       | 1          | 0         | 10.24     | 10.18   | 10.11   | 11      |         |
|           |            | 1          | 38        | 10.19     | 10.16   | 10.1    | 11      |         |
|           |            | 1          | 74        | 10.06     | 9.99    | 10.1    | 11      |         |
|           |            | 36         | 0         | 10.17     | 10.29   | 10.24   | 11      |         |
|           |            | 36         | 18        | 10.29     | 10.15   | 10.2    | 11      |         |
|           |            | 36         | 39        | 10.16     | 10.17   | 10.17   | 11      |         |
|           |            | 75         | 0         | 10.22     | 10.22   | 10.19   | 11      |         |
|           | 16QAM      | 1          | 0         | 10.74     | 10.15   | 10.18   | 11      |         |
|           |            | 1          | 38        | 10.31     | 10.55   | 10.37   | 11      |         |
|           |            | 1          | 74        | 10.08     | 10.58   | 10.34   | 11      |         |
|           |            | 36         | 0         | 10.2      | 10.28   | 10.24   | 11      |         |
|           |            | 36         | 18        | 10.17     | 10.11   | 10.1    | 11      |         |
|           |            | 36         | 39        | 10.06     | 10.11   | 10.07   | 11      |         |
|           |            | 75         | 0         | 10.12     | 10.15   | 10.24   | 11      |         |
|           | 64QAM      | 1          | 0         | 10.08     | 10.23   | 10.14   | 11      |         |
|           |            | 1          | 38        | 9.71      | 10.15   | 10.01   | 11      |         |
|           |            | 1          | 74        | 10.19     | 10.2    | 10.27   | 11      |         |
|           |            | 36         | 0         | 9.95      | 10      | 10.03   | 11      |         |
|           |            | 36         | 18        | 9.91      | 10.12   | 9.9     | 11      |         |
|           |            | 36         | 39        | 9.95      | 9.94    | 9.83    | 11      |         |
|           |            | 75         | 0         | 10.08     | 10      | 10.18   | 11      |         |
|           | Bandwidth  | Modulation | RB size   | RB offset | Channel | Channel | Channel | Tune up |
|           |            |            |           |           | 18700   | 18900   | 19100   |         |
|           | 20MHz      | QPSK       | 1         | 0         | 10.39   | 10.39   | 10.34   | 11      |
| 1         |            |            | 50        | 10.35     | 10.1    | 10.11   | 11      |         |
| 1         |            |            | 99        | 10.08     | 10.16   | 10.19   | 11      |         |
| 50        |            |            | 0         | 10.24     | 10.2    | 10.25   | 11      |         |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  |       | 50  | 25 | 10.24 | 10.13 | 10.23 | 11 |
|  |       | 50  | 50 | 10.18 | 10.12 | 10.2  | 11 |
|  |       | 100 | 0  | 10.1  | 10.18 | 10.17 | 11 |
|  | 16QAM | 1   | 0  | 10.79 | 10.09 | 10.37 | 11 |
|  |       | 1   | 50 | 10.48 | 10.3  | 10.45 | 11 |
|  |       | 1   | 99 | 10.56 | 10.68 | 9.97  | 11 |
|  |       | 50  | 0  | 10.14 | 10.13 | 10.11 | 11 |
|  |       | 50  | 25 | 9.99  | 10.13 | 10.09 | 11 |
|  |       | 50  | 50 | 10.09 | 10.09 | 10.14 | 11 |
|  |       | 100 | 0  | 10    | 10.1  | 10.08 | 11 |
|  | 64QAM | 1   | 0  | 10.18 | 10.28 | 10.12 | 11 |
|  |       | 1   | 50 | 9.77  | 10.27 | 9.96  | 11 |
|  |       | 1   | 99 | 10.17 | 10.21 | 10.36 | 11 |
|  |       | 50  | 0  | 9.91  | 10.12 | 10.11 | 11 |
|  |       | 50  | 25 | 9.77  | 10.1  | 9.91  | 11 |
|  |       | 50  | 50 | 10.02 | 9.9   | 9.92  | 11 |
|  |       | 100 | 0  | 10.12 | 10.04 | 10.18 | 11 |

| LTE Band 2 Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 15.53                | 15.76   | 15.67   | 16.5    |
|   |            | 1       | 2         | 14.7                 | 15.78   | 15.7    | 16.5    |
|   |            | 1       | 5         | 15.7                 | 15.79   | 15.69   | 16.5    |
|   |            | 3       | 0         | 15.29                | 15.7    | 15.48   | 16.5    |
|   |            | 3       | 2         | 15.74                | 15.25   | 15.41   | 16.5    |
|   |            | 3       | 3         | 15.76                | 15.53   | 15.71   | 16.5    |
|   |            | 6       | 0         | 15.67                | 15.81   | 15.65   | 16.5    |
|   | 16QAM      | 1       | 0         | 16.44                | 15.99   | 16.37   | 16.5    |
|   |            | 1       | 2         | 15.5                 | 15.66   | 15.75   | 16.5    |
|   |            | 1       | 5         | 15.94                | 15.98   | 16.07   | 16.5    |
|   |            | 3       | 0         | 15.64                | 15.72   | 15.44   | 16.5    |
|   |            | 3       | 2         | 15.98                | 15.47   | 15.42   | 16.5    |
|   |            | 3       | 3         | 15.68                | 15.24   | 15.44   | 16.5    |
|   |            | 6       | 0         | 15.53                | 15.52   | 15.49   | 16.5    |
|   | 64QAM      | 1       | 0         | 15.68                | 15.74   | 15.6    | 16.5    |
|   |            | 1       | 2         | 15.19                | 15.72   | 15.37   | 16.5    |
|   |            | 1       | 5         | 15.67                | 15.63   | 15.83   | 16.5    |
|   |            | 3       | 0         | 15.32                | 15.58   | 15.52   | 16.5    |
|   |            | 3       | 2         | 15.22                | 15.51   | 15.37   | 16.5    |
|   |            | 3       | 3         | 15.43                | 15.39   | 15.33   | 16.5    |
|   |            | 6       | 0         | 15.61                | 15.44   | 15.61   | 16.5    |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz  | QPSK       | 1       | 0         | 18615                | 18900   | 19185   | 16.5    |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 1              | 7                | 14.91          | 15.35          | 15.18          | 16.5           |
|                  |                   | 1              | 14               | 15.72          | 15.71          | 15.67          | 16.5           |
|                  |                   | 8              | 0                | 15.45          | 15.76          | 15.46          | 16.5           |
|                  |                   | 8              | 4                | 15.49          | 15.72          | 15.62          | 16.5           |
|                  |                   | 8              | 7                | 15.42          | 15.73          | 15.38          | 16.5           |
|                  |                   | 15             | 0                | 15.91          | 15.77          | 15.69          | 16.5           |
|                  | 16QAM             | 1              | 0                | 16.2           | 16.19          | 15.88          | 16.5           |
|                  |                   | 1              | 7                | 15.77          | 14.8           | 15.22          | 16.5           |
|                  |                   | 1              | 14               | 16.23          | 15.6           | 16             | 16.5           |
|                  |                   | 8              | 0                | 15.7           | 15.76          | 15.52          | 16.5           |
|                  |                   | 8              | 4                | 15.6           | 15.52          | 15.66          | 16.5           |
|                  |                   | 8              | 7                | 15.51          | 15.55          | 15.64          | 16.5           |
|                  |                   | 15             | 0                | 15.75          | 15.71          | 15.64          | 16.5           |
|                  | 64QAM             | 1              | 0                | 15.68          | 15.77          | 15.54          | 16.5           |
|                  |                   | 1              | 7                | 15.25          | 15.72          | 15.44          | 16.5           |
|                  |                   | 1              | 14               | 15.66          | 15.62          | 15.77          | 16.5           |
|                  |                   | 8              | 0                | 15.33          | 15.6           | 15.55          | 16.5           |
|                  |                   | 8              | 4                | 15.23          | 15.58          | 15.37          | 16.5           |
|                  |                   | 8              | 7                | 15.46          | 15.3           | 15.36          | 16.5           |
|                  |                   | 15             | 0                | 15.54          | 15.5           | 15.58          | 16.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 18625          | 18900          | 19175          |                |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 15.82          | 15.76          | 15.75          | 16.5           |
|                  |                   | 1              | 13               | 15.84          | 15.72          | 15.69          | 16.5           |
|                  |                   | 1              | 24               | 15.62          | 15.71          | 15.87          | 16.5           |
|                  |                   | 12             | 0                | 15.77          | 15.76          | 15.73          | 16.5           |
|                  |                   | 12             | 6                | 15.57          | 15.62          | 15.72          | 16.5           |
|                  |                   | 12             | 13               | 15.74          | 15.73          | 15.81          | 16.5           |
|                  |                   | 25             | 0                | 15.73          | 15.72          | 15.68          | 16.5           |
|                  | 16QAM             | 1              | 0                | 16.23          | 15.67          | 16.2           | 16.5           |
|                  |                   | 1              | 13               | 16.32          | 16.12          | 16.17          | 16.5           |
|                  |                   | 1              | 24               | 16.28          | 15.85          | 15.85          | 16.5           |
|                  |                   | 12             | 0                | 15.74          | 15.88          | 15.72          | 16.5           |
|                  |                   | 12             | 6                | 15.86          | 15.54          | 15.57          | 16.5           |
|                  |                   | 12             | 13               | 15.69          | 15.7           | 15.77          | 16.5           |
|                  |                   | 25             | 0                | 15.74          | 15.63          | 15.59          | 16.5           |
|                  | 64QAM             | 1              | 0                | 15.62          | 15.77          | 15.53          | 16.5           |
|                  |                   | 1              | 13               | 15.27          | 15.71          | 15.39          | 16.5           |
|                  |                   | 1              | 24               | 15.64          | 15.63          | 15.76          | 16.5           |
|                  |                   | 12             | 0                | 15.4           | 15.61          | 15.58          | 16.5           |
|                  |                   | 12             | 6                | 15.2           | 15.55          | 15.35          | 16.5           |
|                  |                   | 12             | 13               | 15.51          | 15.39          | 15.35          | 16.5           |
|                  |                   | 25             | 0                | 15.6           | 15.48          | 15.67          | 16.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 18650          | 18900          | 19150          |                |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 15.79          | 15.75          | 15.78          | 16.5           |
|                  |                   | 1              | 25               | 15.32          | 15.02          | 15.13          | 16.5           |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 49        | 15.7    | 15.67   | 15.78   | 16.5    |
|           |            | 25      | 0         | 15.77   | 15.79   | 15.78   | 16.5    |
|           |            | 25      | 13        | 15.62   | 15.61   | 15.72   | 16.5    |
|           |            | 25      | 25        | 15.72   | 15.65   | 15.66   | 16.5    |
|           |            | 50      | 0         | 15.67   | 15.65   | 15.7    | 16.5    |
|           | 16QAM      | 1       | 0         | 16.67   | 16.09   | 15.86   | 16.5    |
|           |            | 1       | 25        | 16.02   | 16.24   | 15.8    | 16.5    |
|           |            | 1       | 49        | 15.41   | 15.87   | 15.75   | 16.5    |
|           |            | 25      | 0         | 15.67   | 15.66   | 15.69   | 16.5    |
|           |            | 25      | 13        | 15.61   | 15.65   | 15.64   | 16.5    |
|           |            | 25      | 25        | 15.57   | 15.59   | 15.55   | 16.5    |
|           |            | 50      | 0         | 15.7    | 15.7    | 15.6    | 16.5    |
|           | 64QAM      | 1       | 0         | 15.65   | 15.74   | 15.57   | 16.5    |
|           |            | 1       | 25        | 15.26   | 15.74   | 15.43   | 16.5    |
|           |            | 1       | 49        | 15.63   | 15.62   | 15.79   | 16.5    |
|           |            | 25      | 0         | 15.36   | 15.53   | 15.6    | 16.5    |
|           |            | 25      | 13        | 15.22   | 15.52   | 15.34   | 16.5    |
|           |            | 25      | 25        | 15.43   | 15.37   | 15.33   | 16.5    |
|           |            | 50      | 0         | 15.56   | 15.52   | 15.67   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.6    | 15.73   | 15.61   | 16.5    |
|           |            | 1       | 38        | 15.81   | 15.65   | 15.66   | 16.5    |
|           |            | 1       | 74        | 15.62   | 15.53   | 15.62   | 16.5    |
|           |            | 36      | 0         | 15.71   | 15.76   | 15.72   | 16.5    |
|           |            | 36      | 18        | 15.73   | 15.63   | 15.76   | 16.5    |
|           |            | 36      | 39        | 15.73   | 15.72   | 15.63   | 16.5    |
|           |            | 75      | 0         | 15.58   | 15.63   | 15.82   | 16.5    |
|           | 16QAM      | 1       | 0         | 15.56   | 15.5    | 15.55   | 16.5    |
|           |            | 1       | 38        | 15.88   | 15.66   | 15.96   | 16.5    |
|           |            | 1       | 74        | 15.85   | 15.43   | 15.82   | 16.5    |
|           |            | 36      | 0         | 15.81   | 15.81   | 15.7    | 16.5    |
|           |            | 36      | 18        | 15.57   | 15.69   | 15.56   | 16.5    |
|           |            | 36      | 39        | 15.62   | 15.62   | 15.57   | 16.5    |
|           |            | 75      | 0         | 15.6    | 15.6    | 15.71   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.63   | 15.71   | 15.55   | 16.5    |
|           |            | 1       | 38        | 15.23   | 15.7    | 15.44   | 16.5    |
|           |            | 1       | 74        | 15.65   | 15.66   | 15.82   | 16.5    |
|           |            | 36      | 0         | 15.37   | 15.52   | 15.59   | 16.5    |
|           |            | 36      | 18        | 15.25   | 15.54   | 15.41   | 16.5    |
|           |            | 36      | 39        | 15.44   | 15.38   | 15.35   | 16.5    |
|           |            | 75      | 0         | 15.58   | 15.5    | 15.58   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 15.8    | 15.93   | 15.77   | 16.5    |
|           |            | 1       | 50        | 15.73   | 15.61   | 15.63   | 16.5    |
|           |            | 1       | 99        | 15.67   | 15.63   | 15.72   | 16.5    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 50  | 0  | 15.66 | 15.73 | 15.69 | 16.5 |
|  |       | 50  | 25 | 15.69 | 15.63 | 15.63 | 16.5 |
|  |       | 50  | 50 | 15.6  | 15.74 | 15.62 | 16.5 |
|  |       | 100 | 0  | 15.7  | 15.77 | 15.74 | 16.5 |
|  | 16QAM | 1   | 0  | 16.28 | 16.2  | 16.26 | 16.5 |
|  |       | 1   | 50 | 16.05 | 16.08 | 16.11 | 16.5 |
|  |       | 1   | 99 | 15.82 | 16.01 | 16.09 | 16.5 |
|  |       | 50  | 0  | 15.71 | 15.62 | 15.63 | 16.5 |
|  |       | 50  | 25 | 15.63 | 15.55 | 15.56 | 16.5 |
|  |       | 50  | 50 | 15.63 | 15.64 | 15.6  | 16.5 |
|  |       | 100 | 0  | 15.59 | 15.66 | 15.63 | 16.5 |
|  | 64QAM | 1   | 0  | 15.68 | 15.7  | 15.56 | 16.5 |
|  |       | 1   | 50 | 15.24 | 15.76 | 15.44 | 16.5 |
|  |       | 1   | 99 | 15.57 | 15.61 | 15.78 | 16.5 |
|  |       | 50  | 0  | 15.38 | 15.55 | 15.52 | 16.5 |
|  |       | 50  | 25 | 15.27 | 15.54 | 15.34 | 16.5 |
|  |       | 50  | 50 | 15.5  | 15.37 | 15.32 | 16.5 |
|  |       | 100 | 0  | 15.59 | 15.52 | 15.62 | 16.5 |

| LTE Band 2 Receiver on(Left head) + BT + WiFi5G<br>Ant1/Ant2/MIMO |            |            |              | Conducted Power(dBm) |         |         |         |
|---|------------|------------|--------------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|   |            |            |              | 18607                | 18900   | 19193   |         |
| 1.4MHz  | QPSK       | 1          | 0            | 12.23                | 12.21   | 12.18   | 13      |
|   |            | 1          | 2            | 12.46                | 12.14   | 11.05   | 13      |
|   |            | 1          | 5            | 12.12                | 12.26   | 12.34   | 13      |
|   |            | 3          | 0            | 12.19                | 12.13   | 11.74   | 13      |
|   |            | 3          | 2            | 12.22                | 12.22   | 12.08   | 13      |
|   |            | 3          | 3            | 12.32                | 12.2    | 11.8    | 13      |
|   |            | 6          | 0            | 11.94                | 12.05   | 12.16   | 13      |
|   | 16QAM      | 1          | 0            | 12.39                | 12.27   | 12.31   | 13      |
|   |            | 1          | 2            | 12.73                | 12.44   | 12.62   | 13      |
|   |            | 1          | 5            | 12.58                | 12      | 12.69   | 13      |
|   |            | 3          | 0            | 12.18                | 12.23   | 12.38   | 13      |
|   |            | 3          | 2            | 12.15                | 12.05   | 11.76   | 13      |
|   |            | 3          | 3            | 12.26                | 12.12   | 12.16   | 13      |
|   |            | 6          | 0            | 12.25                | 12.11   | 12.37   | 13      |
|   | 64QAM      | 1          | 0            | 12.09                | 12.21   | 12.05   | 13      |
|   |            | 1          | 2            | 11.68                | 12.11   | 11.91   | 13      |
|   |            | 1          | 5            | 12.22                | 12.1    | 12.16   | 13      |
|   |            | 3          | 0            | 11.88                | 12.03   | 11.95   | 13      |
|   |            | 3          | 2            | 11.79                | 11.95   | 11.86   | 13      |
|   |            | 3          | 3            | 11.86                | 11.84   | 11.79   | 13      |
|   |            | 6          | 0            | 11.94                | 11.93   | 12.09   | 13      |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 18615   | 18900   | 19185   |         |
| 3MHz      | QPSK       | 1       | 0         | 12.19   | 12.14   | 12.14   | 13      |
|           |            | 1       | 7         | 12.49   | 12.46   | 11.77   | 13      |
|           |            | 1       | 14        | 12.15   | 12.22   | 12.25   | 13      |
|           |            | 8       | 0         | 12.2    | 12.18   | 12.09   | 13      |
|           |            | 8       | 4         | 12.25   | 12.18   | 12.37   | 13      |
|           |            | 8       | 7         | 12.21   | 11.99   | 12.22   | 13      |
|           |            | 15      | 0         | 12.19   | 12.28   | 12.44   | 13      |
|           | 16QAM      | 1       | 0         | 12.66   | 12.9    | 11.97   | 13      |
|           |            | 1       | 7         | 12.24   | 12.06   | 11.81   | 13      |
|           |            | 1       | 14        | 12.55   | 12.78   | 12.08   | 13      |
|           |            | 8       | 0         | 12.11   | 12.09   | 12.23   | 13      |
|           |            | 8       | 4         | 11.85   | 12.25   | 12.03   | 13      |
|           |            | 8       | 7         | 11.84   | 12.1    | 12.21   | 13      |
|           |            | 15      | 0         | 11.94   | 12.2    | 12.24   | 13      |
|           | 64QAM      | 1       | 0         | 12.13   | 12.2    | 12.08   | 13      |
|           |            | 1       | 7         | 11.68   | 12.12   | 11.92   | 13      |
|           |            | 1       | 14        | 12.16   | 12.09   | 12.15   | 13      |
|           |            | 8       | 0         | 11.87   | 11.99   | 11.99   | 13      |
|           |            | 8       | 4         | 11.8    | 11.96   | 11.86   | 13      |
|           |            | 8       | 7         | 11.88   | 11.82   | 11.77   | 13      |
|           |            | 15      | 0         | 11.95   | 11.98   | 12.09   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 12.28   | 12.2    | 12.2    | 13      |
|           |            | 1       | 13        | 12.16   | 12.15   | 12.12   | 13      |
|           |            | 1       | 24        | 12.07   | 12.28   | 12.14   | 13      |
|           |            | 12      | 0         | 12.34   | 12.23   | 12.23   | 13      |
|           |            | 12      | 6         | 12.09   | 12.22   | 12.1    | 13      |
|           |            | 12      | 13        | 12.13   | 12.16   | 12.2    | 13      |
|           |            | 25      | 0         | 12.03   | 12.18   | 11.95   | 13      |
|           | 16QAM      | 1       | 0         | 12.69   | 12.69   | 12.44   | 13      |
|           |            | 1       | 13        | 12.6    | 12.61   | 12.79   | 13      |
|           |            | 1       | 24        | 12.6    | 12      | 12.75   | 13      |
|           |            | 12      | 0         | 12.01   | 12.18   | 12.11   | 13      |
|           |            | 12      | 6         | 12      | 12      | 12.08   | 13      |
|           |            | 12      | 13        | 12.05   | 12.22   | 12.16   | 13      |
|           |            | 25      | 0         | 12.2    | 11.9    | 12.2    | 13      |
|           | 64QAM      | 1       | 0         | 12.07   | 12.16   | 12.06   | 13      |
|           |            | 1       | 13        | 11.63   | 12.12   | 11.96   | 13      |
|           |            | 1       | 24        | 12.2    | 12.14   | 12.19   | 13      |
|           |            | 12      | 0         | 11.88   | 11.98   | 12      | 13      |
|           |            | 12      | 6         | 11.79   | 11.95   | 11.83   | 13      |
|           |            | 12      | 13        | 11.86   | 11.84   | 11.82   | 13      |
|           |            | 25      | 0         | 11.98   | 11.99   | 12.13   | 13      |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 12.2    | 12.02   | 12.14   | 13      |
|           |            | 1       | 25        | 12.03   | 12.21   | 12.12   | 13      |
|           |            | 1       | 49        | 12.07   | 12.16   | 12.13   | 13      |
|           |            | 25      | 0         | 12.17   | 12.17   | 12.19   | 13      |
|           |            | 25      | 13        | 12.09   | 12.19   | 12.25   | 13      |
|           |            | 25      | 25        | 12.18   | 12.2    | 12.21   | 13      |
|           |            | 50      | 0         | 12.2    | 12.23   | 12.22   | 13      |
|           | 16QAM      | 1       | 0         | 12.42   | 12.63   | 12.43   | 13      |
|           |            | 1       | 25        | 12.42   | 12.62   | 12.35   | 13      |
|           |            | 1       | 49        | 12.59   | 12.03   | 12.39   | 13      |
|           |            | 25      | 0         | 12.18   | 12.15   | 12.11   | 13      |
|           |            | 25      | 13        | 12.21   | 12.11   | 12.15   | 13      |
|           |            | 25      | 25        | 12.08   | 12.13   | 11.92   | 13      |
|           |            | 50      | 0         | 12.13   | 12.22   | 11.97   | 13      |
|           | 64QAM      | 1       | 0         | 12.08   | 12.21   | 12.09   | 13      |
|           |            | 1       | 25        | 11.66   | 12.13   | 11.95   | 13      |
|           |            | 1       | 49        | 12.17   | 12.07   | 12.2    | 13      |
|           |            | 25      | 0         | 11.9    | 11.99   | 11.95   | 13      |
|           |            | 25      | 13        | 11.77   | 12      | 11.81   | 13      |
|           |            | 25      | 25        | 11.84   | 11.82   | 11.78   | 13      |
|           |            | 50      | 0         | 11.97   | 11.99   | 12.15   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 12.21   | 12.07   | 12.13   | 13      |
|           |            | 1       | 38        | 12.17   | 12.03   | 12.21   | 13      |
|           |            | 1       | 74        | 12.11   | 12.07   | 12.05   | 13      |
|           |            | 36      | 0         | 12.13   | 12.25   | 12.19   | 13      |
|           |            | 36      | 18        | 12.21   | 12.2    | 12.18   | 13      |
|           |            | 36      | 39        | 12.15   | 12.19   | 12.22   | 13      |
|           |            | 75      | 0         | 12.23   | 12.28   | 12.16   | 13      |
|           | 16QAM      | 1       | 0         | 12.39   | 12.51   | 12.43   | 13      |
|           |            | 1       | 38        | 12.54   | 12.91   | 12.41   | 13      |
|           |            | 1       | 74        | 12      | 12.67   | 12.61   | 13      |
|           |            | 36      | 0         | 12.22   | 12.28   | 12.19   | 13      |
|           |            | 36      | 18        | 12.07   | 12.17   | 12.19   | 13      |
|           |            | 36      | 39        | 12.1    | 12.1    | 12.02   | 13      |
|           |            | 75      | 0         | 12.25   | 12.22   | 12.07   | 13      |
|           | 64QAM      | 1       | 0         | 12.08   | 12.17   | 12.04   | 13      |
|           |            | 1       | 38        | 11.63   | 12.09   | 11.94   | 13      |
|           |            | 1       | 74        | 12.21   | 12.06   | 12.18   | 13      |
|           |            | 36      | 0         | 11.91   | 11.97   | 12      | 13      |
|           |            | 36      | 18        | 11.83   | 11.98   | 11.8    | 13      |
|           |            | 36      | 39        | 11.89   | 11.88   | 11.77   | 13      |
|           |            | 75      | 0         | 12.02   | 11.98   | 12.14   | 13      |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 12.34   | 12.3    | 12.25   | 13      |
|           |            | 1       | 50        | 12.37   | 11.67   | 11.97   | 13      |
|           |            | 1       | 99        | 12.18   | 12.23   | 12.25   | 13      |
|           |            | 50      | 0         | 12.18   | 12.26   | 12.15   | 13      |
|           |            | 50      | 25        | 12.14   | 12.15   | 12.16   | 13      |
|           |            | 50      | 50        | 12.14   | 12.12   | 12.24   | 13      |
|           |            | 100     | 0         | 12.19   | 12.2    | 12.13   | 13      |
|           | 16QAM      | 1       | 0         | 12.33   | 12.39   | 12.67   | 13      |
|           |            | 1       | 50        | 12.64   | 12.8    | 12.46   | 13      |
|           |            | 1       | 99        | 12.63   | 12.51   | 12.75   | 13      |
|           |            | 50      | 0         | 12.11   | 12.24   | 12.17   | 13      |
|           |            | 50      | 25        | 12.11   | 12.22   | 12.07   | 13      |
|           |            | 50      | 50        | 12.07   | 12.03   | 12.21   | 13      |
|           |            | 100     | 0         | 12.13   | 12.2    | 12.05   | 13      |
|           | 64QAM      | 1       | 0         | 12.07   | 12.18   | 12.03   | 13      |
|           |            | 1       | 50        | 11.63   | 12.14   | 11.96   | 13      |
|           |            | 1       | 99        | 12.17   | 12.09   | 12.21   | 13      |
|           |            | 50      | 0         | 11.91   | 11.97   | 12      | 13      |
|           |            | 50      | 25        | 11.77   | 12.02   | 11.8    | 13      |
|           |            | 50      | 50        | 11.89   | 11.84   | 11.81   | 13      |
|           |            | 100     | 0         | 12.01   | 11.98   | 12.08   | 13      |

| LTE Band 2 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 10.28                | 10.24   | 10.15   | 11      |
|   |            | 1       | 2         | 9.86                 | 9.34    | 9.73    | 11      |
|   |            | 1       | 5         | 10.23                | 10.23   | 10.12   | 11      |
|   |            | 3       | 0         | 10.19                | 10.14   | 9.98    | 11      |
|   |            | 3       | 2         | 10.19                | 10.47   | 9.9     | 11      |
|   |            | 3       | 3         | 10.12                | 9.5     | 10.15   | 11      |
|   |            | 6       | 0         | 10.14                | 10.14   | 10.24   | 11      |
|   | 16QAM      | 1       | 0         | 10.3                 | 10.47   | 10.6    | 11      |
|   |            | 1       | 2         | 9.49                 | 10.57   | 10.31   | 11      |
|   |            | 1       | 5         | 10.41                | 10.52   | 9.91    | 11      |
|   |            | 3       | 0         | 10.1                 | 10.1    | 10.02   | 11      |
|   |            | 3       | 2         | 10.29                | 10.32   | 9.98    | 11      |
|   |            | 3       | 3         | 10.04                | 9.97    | 9.97    | 11      |
|   |            | 6       | 0         | 9.86                 | 9.73    | 10.34   | 11      |
|   | 64QAM      | 1       | 0         | 10.09                | 10.22   | 10.08   | 11      |
|   |            | 1       | 2         | 9.65                 | 10.27   | 10.04   | 11      |
|   |            | 1       | 5         | 10.17                | 10.17   | 10.27   | 11      |
|   |            | 3       | 0         | 9.99                 | 10.05   | 10.08   | 11      |

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|           |            | 3       | 2         | 9.79    | 10.11   | 9.91    | 11      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 3         | 10.04   | 9.86    | 9.92    | 11      |
|           |            | 6       | 0         | 10.06   | 10      | 10.17   | 11      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18615   | 18900   | 19185   |         |
| 3MHz      | QPSK       | 1       | 0         | 10.12   | 10.1    | 10.08   | 11      |
|           |            | 1       | 7         | 9.5     | 9.59    | 9.29    | 11      |
|           |            | 1       | 14        | 10.14   | 10.18   | 10.11   | 11      |
|           |            | 8       | 0         | 10.01   | 10.02   | 10.41   | 11      |
|           |            | 8       | 4         | 10.17   | 10.15   | 10.08   | 11      |
|           |            | 8       | 7         | 9.93    | 10.17   | 9.86    | 11      |
|           |            | 15      | 0         | 10.15   | 10.21   | 10.18   | 11      |
|           | 16QAM      | 1       | 0         | 10.21   | 10.15   | 10.36   | 11      |
|           |            | 1       | 7         | 9.22    | 8.39    | 9.96    | 11      |
|           |            | 1       | 14        | 10.52   | 10.65   | 10.5    | 11      |
|           |            | 8       | 0         | 10.13   | 9.88    | 9.98    | 11      |
|           |            | 8       | 4         | 9.94    | 10.29   | 9.97    | 11      |
|           |            | 8       | 7         | 10.13   | 9.97    | 10.22   | 11      |
|           |            | 15      | 0         | 10.08   | 10.23   | 10.12   | 11      |
|           | 64QAM      | 1       | 0         | 10.09   | 10.21   | 10.11   | 11      |
|           |            | 1       | 7         | 9.71    | 10.22   | 9.96    | 11      |
|           |            | 1       | 14        | 10.19   | 10.22   | 10.25   | 11      |
|           |            | 8       | 0         | 10.03   | 10.05   | 10.05   | 11      |
|           |            | 8       | 4         | 9.81    | 10.13   | 9.89    | 11      |
|           |            | 8       | 7         | 9.95    | 9.91    | 9.94    | 11      |
|           |            | 15      | 0         | 10.07   | 10.11   | 10.1    | 11      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 10.17   | 10.11   | 10.13   | 11      |
|           |            | 1       | 13        | 10.05   | 10.11   | 10.15   | 11      |
|           |            | 1       | 24        | 10.05   | 10.13   | 10.25   | 11      |
|           |            | 12      | 0         | 10.21   | 10.17   | 10.16   | 11      |
|           |            | 12      | 6         | 10.24   | 10.19   | 10.17   | 11      |
|           |            | 12      | 13        | 10.22   | 10.15   | 10.15   | 11      |
|           |            | 25      | 0         | 10.2    | 10.13   | 10.24   | 11      |
|           | 16QAM      | 1       | 0         | 10.58   | 10.59   | 9.62    | 11      |
|           |            | 1       | 13        | 10.62   | 10.53   | 10.66   | 11      |
|           |            | 1       | 24        | 10.35   | 10.41   | 10.62   | 11      |
|           |            | 12      | 0         | 10.32   | 10.22   | 10.2    | 11      |
|           |            | 12      | 6         | 10.21   | 10.01   | 10.17   | 11      |
|           |            | 12      | 13        | 10.15   | 10.24   | 10.3    | 11      |
|           |            | 25      | 0         | 10.15   | 10.02   | 10.03   | 11      |
|           | 64QAM      | 1       | 0         | 10.07   | 10.25   | 10.16   | 11      |
|           |            | 1       | 13        | 9.67    | 10.25   | 10.01   | 11      |
|           |            | 1       | 24        | 10.28   | 10.15   | 10.21   | 11      |
|           |            | 12      | 0         | 9.94    | 10      | 10.07   | 11      |
|           |            | 12      | 6         | 9.9     | 10.06   | 9.94    | 11      |

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|           |            | 12      | 13        | 9.96    | 9.99    | 9.92    | 11      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 10.16   | 9.99    | 10.14   | 11      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 10.15   | 10.12   | 10.24   | 11      |
|           |            | 1       | 25        | 9.4     | 9.9     | 9.81    | 11      |
|           |            | 1       | 49        | 10.11   | 10.15   | 10.21   | 11      |
|           |            | 25      | 0         | 10.15   | 10.22   | 10.25   | 11      |
|           |            | 25      | 13        | 10.02   | 10.16   | 10.18   | 11      |
|           |            | 25      | 25        | 10.12   | 10.17   | 10.11   | 11      |
|           |            | 50      | 0         | 10.16   | 10.18   | 10.15   | 11      |
|           | 16QAM      | 1       | 0         | 10.61   | 10.47   | 10.37   | 11      |
|           |            | 1       | 25        | 10.35   | 10.03   | 10.1    | 11      |
|           |            | 1       | 49        | 10.55   | 10.4    | 10.25   | 11      |
|           |            | 25      | 0         | 10.01   | 10.1    | 10.16   | 11      |
|           |            | 25      | 13        | 10.03   | 10.05   | 10.05   | 11      |
|           |            | 25      | 25        | 10.13   | 10.16   | 10.12   | 11      |
|           |            | 50      | 0         | 10.05   | 10.14   | 10.05   | 11      |
|           | 64QAM      | 1       | 0         | 10.2    | 10.23   | 10.11   | 11      |
|           |            | 1       | 25        | 9.69    | 10.24   | 10.06   | 11      |
|           |            | 1       | 49        | 10.17   | 10.12   | 10.34   | 11      |
|           |            | 25      | 0         | 9.92    | 9.98    | 10.1    | 11      |
|           |            | 25      | 13        | 9.87    | 10.09   | 9.83    | 11      |
|           |            | 25      | 25        | 9.92    | 9.96    | 9.91    | 11      |
|           |            | 50      | 0         | 10.02   | 10.1    | 10.15   | 11      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 10.24   | 10.18   | 10.11   | 11      |
|           |            | 1       | 38        | 10.19   | 10.16   | 10.1    | 11      |
|           |            | 1       | 74        | 10.06   | 9.99    | 10.1    | 11      |
|           |            | 36      | 0         | 10.17   | 10.29   | 10.24   | 11      |
|           |            | 36      | 18        | 10.29   | 10.15   | 10.2    | 11      |
|           |            | 36      | 39        | 10.16   | 10.17   | 10.17   | 11      |
|           |            | 75      | 0         | 10.22   | 10.22   | 10.19   | 11      |
|           | 16QAM      | 1       | 0         | 10.74   | 10.15   | 10.18   | 11      |
|           |            | 1       | 38        | 10.31   | 10.55   | 10.37   | 11      |
|           |            | 1       | 74        | 10.08   | 10.58   | 10.34   | 11      |
|           |            | 36      | 0         | 10.2    | 10.28   | 10.24   | 11      |
|           |            | 36      | 18        | 10.17   | 10.11   | 10.1    | 11      |
|           |            | 36      | 39        | 10.06   | 10.11   | 10.07   | 11      |
|           |            | 75      | 0         | 10.12   | 10.15   | 10.24   | 11      |
|           | 64QAM      | 1       | 0         | 10.08   | 10.23   | 10.14   | 11      |
|           |            | 1       | 38        | 9.71    | 10.15   | 10.01   | 11      |
|           |            | 1       | 74        | 10.19   | 10.2    | 10.27   | 11      |
|           |            | 36      | 0         | 9.95    | 10      | 10.03   | 11      |
|           |            | 36      | 18        | 9.91    | 10.12   | 9.9     | 11      |
|           |            | 36      | 39        | 9.95    | 9.94    | 9.83    | 11      |

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| Bandwidth | Modulation | 75      | 0         | 10.08   | 10      | 10.18   | 11      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 18700   | 18900   | 19100   | 11      |
|           |            | 1       | 50        | 10.39   | 10.39   | 10.34   | 11      |
|           |            | 1       | 99        | 10.35   | 10.1    | 10.11   | 11      |
|           |            | 1       | 99        | 10.08   | 10.16   | 10.19   | 11      |
|           |            | 50      | 0         | 10.24   | 10.2    | 10.25   | 11      |
|           |            | 50      | 25        | 10.24   | 10.13   | 10.23   | 11      |
|           |            | 50      | 50        | 10.18   | 10.12   | 10.2    | 11      |
|           | 16QAM      | 100     | 0         | 10.1    | 10.18   | 10.17   | 11      |
|           |            | 1       | 0         | 10.79   | 10.09   | 10.37   | 11      |
|           |            | 1       | 50        | 10.48   | 10.3    | 10.45   | 11      |
|           |            | 1       | 99        | 10.56   | 10.68   | 9.97    | 11      |
|           |            | 50      | 0         | 10.14   | 10.13   | 10.11   | 11      |
|           |            | 50      | 25        | 9.99    | 10.13   | 10.09   | 11      |
|           |            | 50      | 50        | 10.09   | 10.09   | 10.14   | 11      |
|           | 64QAM      | 100     | 0         | 10      | 10.1    | 10.08   | 11      |
|           |            | 1       | 0         | 10.18   | 10.28   | 10.12   | 11      |
|           |            | 1       | 50        | 9.77    | 10.27   | 9.96    | 11      |
|           |            | 1       | 99        | 10.17   | 10.21   | 10.36   | 11      |
|           |            | 50      | 0         | 9.91    | 10.12   | 10.11   | 11      |
|           |            | 50      | 25        | 9.77    | 10.1    | 9.91    | 11      |
|           |            | 50      | 50        | 10.02   | 9.9     | 9.92    | 11      |
|           |            | 100     | 0         | 10.12   | 10.04   | 10.18   | 11      |

| LTE Band 2 Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 15.53                | 15.76   | 15.67   | 16.5    |
|  |            | 1       | 2         | 14.7                 | 15.78   | 15.7    | 16.5    |
|  |            | 1       | 5         | 15.7                 | 15.79   | 15.69   | 16.5    |
|  |            | 3       | 0         | 15.29                | 15.7    | 15.48   | 16.5    |
|  |            | 3       | 2         | 15.74                | 15.25   | 15.41   | 16.5    |
|  |            | 3       | 3         | 15.76                | 15.53   | 15.71   | 16.5    |
|  |            | 6       | 0         | 15.67                | 15.81   | 15.65   | 16.5    |
|  | 16QAM      | 1       | 0         | 16.44                | 15.99   | 16.37   | 16.5    |
|  |            | 1       | 2         | 15.5                 | 15.66   | 15.75   | 16.5    |
|  |            | 1       | 5         | 15.94                | 15.98   | 16.07   | 16.5    |
|  |            | 3       | 0         | 15.64                | 15.72   | 15.44   | 16.5    |
|  |            | 3       | 2         | 15.98                | 15.47   | 15.42   | 16.5    |
|  |            | 3       | 3         | 15.68                | 15.24   | 15.44   | 16.5    |
|  |            | 6       | 0         | 15.53                | 15.52   | 15.49   | 16.5    |
|  | 64QAM      | 1       | 0         | 15.68                | 15.74   | 15.6    | 16.5    |
|  |            | 1       | 2         | 15.19                | 15.72   | 15.37   | 16.5    |
|  |            | 1       | 5         | 15.67                | 15.63   | 15.83   | 16.5    |

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|           |            | 3       | 0         | 15.32   | 15.58   | 15.52   | 16.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 2         | 15.22   | 15.51   | 15.37   | 16.5    |
|           |            | 3       | 3         | 15.43   | 15.39   | 15.33   | 16.5    |
|           |            | 6       | 0         | 15.61   | 15.44   | 15.61   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18615   | 18900   | 19185   |         |
| 3MHz      | QPSK       | 1       | 0         | 15.87   | 15.74   | 15.63   | 16.5    |
|           |            | 1       | 7         | 14.91   | 15.35   | 15.18   | 16.5    |
|           |            | 1       | 14        | 15.72   | 15.71   | 15.67   | 16.5    |
|           |            | 8       | 0         | 15.45   | 15.76   | 15.46   | 16.5    |
|           |            | 8       | 4         | 15.49   | 15.72   | 15.62   | 16.5    |
|           |            | 8       | 7         | 15.42   | 15.73   | 15.38   | 16.5    |
|           |            | 15      | 0         | 15.91   | 15.77   | 15.69   | 16.5    |
|           | 16QAM      | 1       | 0         | 16.2    | 16.19   | 15.88   | 16.5    |
|           |            | 1       | 7         | 15.77   | 14.8    | 15.22   | 16.5    |
|           |            | 1       | 14        | 16.23   | 15.6    | 16      | 16.5    |
|           |            | 8       | 0         | 15.7    | 15.76   | 15.52   | 16.5    |
|           |            | 8       | 4         | 15.6    | 15.52   | 15.66   | 16.5    |
|           |            | 8       | 7         | 15.51   | 15.55   | 15.64   | 16.5    |
|           |            | 15      | 0         | 15.75   | 15.71   | 15.64   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.68   | 15.77   | 15.54   | 16.5    |
|           |            | 1       | 7         | 15.25   | 15.72   | 15.44   | 16.5    |
|           |            | 1       | 14        | 15.66   | 15.62   | 15.77   | 16.5    |
|           |            | 8       | 0         | 15.33   | 15.6    | 15.55   | 16.5    |
|           |            | 8       | 4         | 15.23   | 15.58   | 15.37   | 16.5    |
|           |            | 8       | 7         | 15.46   | 15.3    | 15.36   | 16.5    |
|           |            | 15      | 0         | 15.54   | 15.5    | 15.58   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 15.82   | 15.76   | 15.75   | 16.5    |
|           |            | 1       | 13        | 15.84   | 15.72   | 15.69   | 16.5    |
|           |            | 1       | 24        | 15.62   | 15.71   | 15.87   | 16.5    |
|           |            | 12      | 0         | 15.77   | 15.76   | 15.73   | 16.5    |
|           |            | 12      | 6         | 15.57   | 15.62   | 15.72   | 16.5    |
|           |            | 12      | 13        | 15.74   | 15.73   | 15.81   | 16.5    |
|           |            | 25      | 0         | 15.73   | 15.72   | 15.68   | 16.5    |
|           | 16QAM      | 1       | 0         | 16.23   | 15.67   | 16.2    | 16.5    |
|           |            | 1       | 13        | 16.32   | 16.12   | 16.17   | 16.5    |
|           |            | 1       | 24        | 16.28   | 15.85   | 15.85   | 16.5    |
|           |            | 12      | 0         | 15.74   | 15.88   | 15.72   | 16.5    |
|           |            | 12      | 6         | 15.86   | 15.54   | 15.57   | 16.5    |
|           |            | 12      | 13        | 15.69   | 15.7    | 15.77   | 16.5    |
|           |            | 25      | 0         | 15.74   | 15.63   | 15.59   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.62   | 15.77   | 15.53   | 16.5    |
|           |            | 1       | 13        | 15.27   | 15.71   | 15.39   | 16.5    |
|           |            | 1       | 24        | 15.64   | 15.63   | 15.76   | 16.5    |
|           |            | 12      | 0         | 15.4    | 15.61   | 15.58   | 16.5    |

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|           |            | 12      | 6         | 15.2    | 15.55   | 15.35   | 16.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 13        | 15.51   | 15.39   | 15.35   | 16.5    |
|           |            | 25      | 0         | 15.6    | 15.48   | 15.67   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 15.79   | 15.75   | 15.78   | 16.5    |
|           |            | 1       | 25        | 15.32   | 15.02   | 15.13   | 16.5    |
|           |            | 1       | 49        | 15.7    | 15.67   | 15.78   | 16.5    |
|           |            | 25      | 0         | 15.77   | 15.79   | 15.78   | 16.5    |
|           |            | 25      | 13        | 15.62   | 15.61   | 15.72   | 16.5    |
|           |            | 25      | 25        | 15.72   | 15.65   | 15.66   | 16.5    |
|           |            | 50      | 0         | 15.67   | 15.65   | 15.7    | 16.5    |
|           | 16QAM      | 1       | 0         | 16.67   | 16.09   | 15.86   | 16.5    |
|           |            | 1       | 25        | 16.02   | 16.24   | 15.8    | 16.5    |
|           |            | 1       | 49        | 15.41   | 15.87   | 15.75   | 16.5    |
|           |            | 25      | 0         | 15.67   | 15.66   | 15.69   | 16.5    |
|           |            | 25      | 13        | 15.61   | 15.65   | 15.64   | 16.5    |
|           |            | 25      | 25        | 15.57   | 15.59   | 15.55   | 16.5    |
|           |            | 50      | 0         | 15.7    | 15.7    | 15.6    | 16.5    |
|           | 64QAM      | 1       | 0         | 15.65   | 15.74   | 15.57   | 16.5    |
|           |            | 1       | 25        | 15.26   | 15.74   | 15.43   | 16.5    |
|           |            | 1       | 49        | 15.63   | 15.62   | 15.79   | 16.5    |
|           |            | 25      | 0         | 15.36   | 15.53   | 15.6    | 16.5    |
|           |            | 25      | 13        | 15.22   | 15.52   | 15.34   | 16.5    |
|           |            | 25      | 25        | 15.43   | 15.37   | 15.33   | 16.5    |
|           |            | 50      | 0         | 15.56   | 15.52   | 15.67   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.6    | 15.73   | 15.61   | 16.5    |
|           |            | 1       | 38        | 15.81   | 15.65   | 15.66   | 16.5    |
|           |            | 1       | 74        | 15.62   | 15.53   | 15.62   | 16.5    |
|           |            | 36      | 0         | 15.71   | 15.76   | 15.72   | 16.5    |
|           |            | 36      | 18        | 15.73   | 15.63   | 15.76   | 16.5    |
|           |            | 36      | 39        | 15.73   | 15.72   | 15.63   | 16.5    |
|           |            | 75      | 0         | 15.58   | 15.63   | 15.82   | 16.5    |
|           | 16QAM      | 1       | 0         | 15.56   | 15.5    | 15.55   | 16.5    |
|           |            | 1       | 38        | 15.88   | 15.66   | 15.96   | 16.5    |
|           |            | 1       | 74        | 15.85   | 15.43   | 15.82   | 16.5    |
|           |            | 36      | 0         | 15.81   | 15.81   | 15.7    | 16.5    |
|           |            | 36      | 18        | 15.57   | 15.69   | 15.56   | 16.5    |
|           |            | 36      | 39        | 15.62   | 15.62   | 15.57   | 16.5    |
|           |            | 75      | 0         | 15.6    | 15.6    | 15.71   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.63   | 15.71   | 15.55   | 16.5    |
|           |            | 1       | 38        | 15.23   | 15.7    | 15.44   | 16.5    |
|           |            | 1       | 74        | 15.65   | 15.66   | 15.82   | 16.5    |
|           |            | 36      | 0         | 15.37   | 15.52   | 15.59   | 16.5    |
|           |            | 36      | 18        | 15.25   | 15.54   | 15.41   | 16.5    |

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|           |            | 36      | 39        | 15.44   | 15.38   | 15.35   | 16.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 75      | 0         | 15.58   | 15.5    | 15.58   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 15.8    | 15.93   | 15.77   | 16.5    |
|           |            | 1       | 50        | 15.73   | 15.61   | 15.63   | 16.5    |
|           |            | 1       | 99        | 15.67   | 15.63   | 15.72   | 16.5    |
|           |            | 50      | 0         | 15.66   | 15.73   | 15.69   | 16.5    |
|           |            | 50      | 25        | 15.69   | 15.63   | 15.63   | 16.5    |
|           |            | 50      | 50        | 15.6    | 15.74   | 15.62   | 16.5    |
|           |            | 100     | 0         | 15.7    | 15.77   | 15.74   | 16.5    |
|           | 16QAM      | 1       | 0         | 16.28   | 16.2    | 16.26   | 16.5    |
|           |            | 1       | 50        | 16.05   | 16.08   | 16.11   | 16.5    |
|           |            | 1       | 99        | 15.82   | 16.01   | 16.09   | 16.5    |
|           |            | 50      | 0         | 15.71   | 15.62   | 15.63   | 16.5    |
|           |            | 50      | 25        | 15.63   | 15.55   | 15.56   | 16.5    |
|           |            | 50      | 50        | 15.63   | 15.64   | 15.6    | 16.5    |
|           |            | 100     | 0         | 15.59   | 15.66   | 15.63   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.68   | 15.7    | 15.56   | 16.5    |
|           |            | 1       | 50        | 15.24   | 15.76   | 15.44   | 16.5    |
|           |            | 1       | 99        | 15.57   | 15.61   | 15.78   | 16.5    |
|           |            | 50      | 0         | 15.38   | 15.55   | 15.52   | 16.5    |
|           |            | 50      | 25        | 15.27   | 15.54   | 15.34   | 16.5    |
|           |            | 50      | 50        | 15.5    | 15.37   | 15.32   | 16.5    |
|           |            | 100     | 0         | 15.59   | 15.52   | 15.62   | 16.5    |

| LTE Band 2 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2 |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 14.21                | 14.2    | 14.21   | 15      |
|   |            | 1       | 2         | 14.13                | 13.25   | 13.75   | 15      |
|   |            | 1       | 5         | 14.18                | 14.04   | 14.13   | 15      |
|   |            | 3       | 0         | 14.24                | 13.87   | 14.09   | 15      |
|   |            | 3       | 2         | 14.26                | 14.18   | 14.12   | 15      |
|   |            | 3       | 3         | 14.03                | 14.03   | 14.18   | 15      |
|   |            | 6       | 0         | 14.12                | 14.53   | 14.37   | 15      |
|   | 16QAM      | 1       | 0         | 14.79                | 14.24   | 14.42   | 15      |
|   |            | 1       | 2         | 14.73                | 13.37   | 14.15   | 15      |
|   |            | 1       | 5         | 14.54                | 14.46   | 14.7    | 15      |
|   |            | 3       | 0         | 14.09                | 14.58   | 13.71   | 15      |
|   |            | 3       | 2         | 14.22                | 13.23   | 13.82   | 15      |
|   |            | 3       | 3         | 14.5                 | 14.28   | 14.05   | 15      |
|   |            | 6       | 0         | 14                   | 14.13   | 14.26   | 15      |
|   | 64QAM      | 1       | 0         | 14.05                | 14.05   | 13.97   | 15      |
|   |            | 1       | 2         | 13.67                | 14.01   | 13.93   | 15      |

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|           |            | 1       | 5         | 14.06         | 14.14         | 14.05         | 15      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 3       | 0         | 13.93         | 13.87         | 14.02         | 15      |
|           |            | 3       | 2         | 13.78         | 13.91         | 13.7          | 15      |
|           |            | 3       | 3         | 13.9          | 13.78         | 13.72         | 15      |
|           |            | 6       | 0         | 13.95         | 13.92         | 14.05         | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel 18615 | Channel 18900 | Channel 19185 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 14.14         | 14.18         | 14.08         | 15      |
|           |            | 1       | 7         | 14.39         | 14.02         | 13.9          | 15      |
|           |            | 1       | 14        | 14.07         | 14.24         | 14.03         | 15      |
|           |            | 8       | 0         | 14.16         | 14.15         | 14.07         | 15      |
|           |            | 8       | 4         | 14.29         | 13.75         | 14.06         | 15      |
|           |            | 8       | 7         | 14.04         | 13.97         | 14.15         | 15      |
|           |            | 15      | 0         | 14.15         | 14.1          | 14.3          | 15      |
|           | 16QAM      | 1       | 0         | 14.79         | 14            | 14.56         | 15      |
|           |            | 1       | 7         | 13.59         | 13.2          | 13.64         | 15      |
|           |            | 1       | 14        | 14.31         | 13.72         | 14.58         | 15      |
|           |            | 8       | 0         | 14.23         | 14.06         | 14.12         | 15      |
|           |            | 8       | 4         | 14.15         | 13.89         | 14.18         | 15      |
|           |            | 8       | 7         | 14.08         | 14.18         | 14.2          | 15      |
|           |            | 15      | 0         | 14.1          | 14.26         | 14.23         | 15      |
|           | 64QAM      | 1       | 0         | 14.04         | 14.05         | 14.04         | 15      |
|           |            | 1       | 7         | 13.67         | 13.96         | 13.86         | 15      |
|           |            | 1       | 14        | 14.12         | 14.15         | 14.07         | 15      |
|           |            | 8       | 0         | 13.92         | 13.88         | 14            | 15      |
|           |            | 8       | 4         | 13.76         | 13.89         | 13.77         | 15      |
|           |            | 8       | 7         | 13.83         | 13.78         | 13.74         | 15      |
|           |            | 15      | 0         | 13.95         | 13.93         | 14.01         | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel 18625 | Channel 18900 | Channel 19175 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 14.28         | 14.06         | 14            | 15      |
|           |            | 1       | 13        | 14.13         | 14.11         | 14.38         | 15      |
|           |            | 1       | 24        | 14.15         | 14.11         | 14.21         | 15      |
|           |            | 12      | 0         | 14.25         | 14.2          | 14.2          | 15      |
|           |            | 12      | 6         | 14.09         | 14.21         | 13.86         | 15      |
|           |            | 12      | 13        | 14.25         | 14.3          | 14.16         | 15      |
|           |            | 25      | 0         | 14.17         | 14.3          | 14.16         | 15      |
|           | 16QAM      | 1       | 0         | 14.49         | 14.84         | 14.65         | 15      |
|           |            | 1       | 13        | 14.49         | 14.86         | 14.61         | 15      |
|           |            | 1       | 24        | 14.39         | 14.4          | 14.56         | 15      |
|           |            | 12      | 0         | 14.21         | 14.17         | 14.23         | 15      |
|           |            | 12      | 6         | 14.09         | 14.07         | 14.21         | 15      |
|           |            | 12      | 13        | 14.23         | 14.2          | 14.22         | 15      |
|           |            | 25      | 0         | 14.06         | 14.2          | 14.26         | 15      |
|           | 64QAM      | 1       | 0         | 14.07         | 14.08         | 14            | 15      |
|           |            | 1       | 13        | 13.62         | 13.94         | 13.86         | 15      |
|           |            | 1       | 24        | 14.09         | 14.09         | 14.04         | 15      |

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|           |            | 12      | 0         | 13.95   | 13.87   | 14.07   | 15      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 6         | 13.77   | 13.85   | 13.79   | 15      |
|           |            | 12      | 13        | 13.87   | 13.78   | 13.76   | 15      |
|           |            | 25      | 0         | 13.97   | 13.9    | 14.01   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 14.27   | 14.21   | 14.03   | 15      |
|           |            | 1       | 25        | 14.41   | 14.47   | 13.75   | 15      |
|           |            | 1       | 49        | 14.02   | 14.08   | 14.15   | 15      |
|           |            | 25      | 0         | 14.22   | 14.26   | 14.14   | 15      |
|           |            | 25      | 13        | 14.19   | 14.08   | 14.14   | 15      |
|           |            | 25      | 25        | 14.17   | 14.21   | 14.2    | 15      |
|           |            | 50      | 0         | 14.1    | 14.17   | 14.14   | 15      |
|           | 16QAM      | 1       | 0         | 14.14   | 15.08   | 14.48   | 15      |
|           |            | 1       | 25        | 13.91   | 14.57   | 14.48   | 15      |
|           |            | 1       | 49        | 14.5    | 14.49   | 14.55   | 15      |
|           |            | 25      | 0         | 14.11   | 14.07   | 14.09   | 15      |
|           |            | 25      | 13        | 14.03   | 14.12   | 14.11   | 15      |
|           |            | 25      | 25        | 14.15   | 14.08   | 14.05   | 15      |
|           |            | 50      | 0         | 14.1    | 14.03   | 14.11   | 15      |
|           | 64QAM      | 1       | 0         | 14.07   | 14.06   | 14.01   | 15      |
|           |            | 1       | 25        | 13.69   | 13.95   | 13.9    | 15      |
|           |            | 1       | 49        | 14.1    | 14.1    | 14.08   | 15      |
|           |            | 25      | 0         | 13.9    | 13.87   | 14.09   | 15      |
|           |            | 25      | 13        | 13.84   | 13.84   | 13.71   | 15      |
|           |            | 25      | 25        | 13.89   | 13.75   | 13.79   | 15      |
|           |            | 50      | 0         | 14.04   | 13.88   | 14.04   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 14.18   | 14.29   | 14.13   | 15      |
|           |            | 1       | 38        | 14.09   | 14.02   | 14.33   | 15      |
|           |            | 1       | 74        | 14.06   | 13.95   | 14.12   | 15      |
|           |            | 36      | 0         | 14.24   | 14.25   | 14.21   | 15      |
|           |            | 36      | 18        | 14.2    | 14.22   | 14.27   | 15      |
|           |            | 36      | 39        | 14.22   | 14.21   | 14.21   | 15      |
|           |            | 75      | 0         | 14.23   | 14.18   | 14.09   | 15      |
|           | 16QAM      | 1       | 0         | 14.67   | 14.84   | 14.57   | 15      |
|           |            | 1       | 38        | 14.83   | 14.64   | 14.52   | 15      |
|           |            | 1       | 74        | 14.64   | 14.31   | 14.4    | 15      |
|           |            | 36      | 0         | 14.09   | 14.14   | 14.13   | 15      |
|           |            | 36      | 18        | 14.14   | 14.16   | 14.23   | 15      |
|           |            | 36      | 39        | 14.18   | 14.09   | 14.17   | 15      |
|           |            | 75      | 0         | 14.1    | 14.01   | 13.99   | 15      |
|           | 64QAM      | 1       | 0         | 14.07   | 14.03   | 14.03   | 15      |
|           |            | 1       | 38        | 13.63   | 13.97   | 13.87   | 15      |
|           |            | 1       | 74        | 14.13   | 14.11   | 14.08   | 15      |
|           |            | 36      | 0         | 13.91   | 13.92   | 14.04   | 15      |

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|           |            | 36      | 18        | 13.82   | 13.86   | 13.72   | 15      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 39        | 13.88   | 13.83   | 13.77   | 15      |
|           |            | 75      | 0         | 13.99   | 13.88   | 14.01   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 14.4    | 14.29   | 14.22   | 15      |
|           |            | 1       | 50        | 14.28   | 13.87   | 13.51   | 15      |
|           |            | 1       | 99        | 14.24   | 14.25   | 14.45   | 15      |
|           |            | 50      | 0         | 14.24   | 14.24   | 14.23   | 15      |
|           |            | 50      | 25        | 14.17   | 14.27   | 14.13   | 15      |
|           |            | 50      | 50        | 14.21   | 14.1    | 14.21   | 15      |
|           |            | 100     | 0         | 14.24   | 14.08   | 14.26   | 15      |
|           | 16QAM      | 1       | 0         | 14.62   | 14.67   | 14.33   | 15      |
|           |            | 1       | 50        | 14.19   | 14.73   | 13.86   | 15      |
|           |            | 1       | 99        | 14.53   | 14.39   | 14.66   | 15      |
|           |            | 50      | 0         | 14.19   | 14.2    | 14.16   | 15      |
|           |            | 50      | 25        | 14.1    | 14.13   | 14.16   | 15      |
|           |            | 50      | 50        | 14.05   | 14.09   | 14.12   | 15      |
|           |            | 100     | 0         | 14.23   | 14.14   | 14.25   | 15      |
|           | 64QAM      | 1       | 0         | 14.1    | 14.12   | 14.02   | 15      |
|           |            | 1       | 50        | 13.67   | 14.01   | 13.9    | 15      |
|           |            | 1       | 99        | 14.05   | 14.09   | 14.11   | 15      |
|           |            | 50      | 0         | 13.93   | 13.88   | 14.04   | 15      |
|           |            | 50      | 25        | 13.79   | 13.85   | 13.75   | 15      |
|           |            | 50      | 50        | 13.85   | 13.76   | 13.78   | 15      |
|           |            | 100     | 0         | 14.04   | 13.87   | 14.07   | 15      |

| LTE Band 2 Receiver on(Right head) + WiFi2.4G<br>Ant1 + WiFi5G Ant2 |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 12.24                | 12.27   | 12.13   | 13      |
|   |            | 1       | 2         | 11.34                | 12.27   | 12.2    | 13      |
|   |            | 1       | 5         | 12.25                | 12.05   | 12.19   | 13      |
|   |            | 3       | 0         | 12.26                | 12.17   | 11.94   | 13      |
|   |            | 3       | 2         | 12.06                | 12.14   | 12.45   | 13      |
|   |            | 3       | 3         | 11.83                | 12.25   | 12.28   | 13      |
|   |            | 6       | 0         | 12.05                | 11.97   | 12.3    | 13      |
|   | 16QAM      | 1       | 0         | 12.84                | 12.69   | 12.46   | 13      |
|   |            | 1       | 2         | 11.97                | 11.92   | 11.61   | 13      |
|   |            | 1       | 5         | 12.62                | 12.55   | 12.41   | 13      |
|   |            | 3       | 0         | 11.84                | 12.33   | 11.8    | 13      |
|   |            | 3       | 2         | 12.15                | 12.14   | 11.83   | 13      |
|   |            | 3       | 3         | 11.97                | 12.15   | 11.73   | 13      |
|   |            | 6       | 0         | 12.32                | 12.34   | 12.2    | 13      |
|   | 64QAM      | 1       | 0         | 12.06                | 12.22   | 12.09   | 13      |

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|           |            | 1       | 2         | 11.67   | 12.06   | 12.07   | 13      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 5         | 12.24   | 12.17   | 12.15   | 13      |
|           |            | 3       | 0         | 12.03   | 11.97   | 12.04   | 13      |
|           |            | 3       | 2         | 11.95   | 12.02   | 11.71   | 13      |
|           |            | 3       | 3         | 12.02   | 11.84   | 11.87   | 13      |
|           |            | 6       | 0         | 11.96   | 11.98   | 12.23   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18615   | 18900   | 19185   |         |
| 3MHz      | QPSK       | 1       | 0         | 12.09   | 12.22   | 12.14   | 13      |
|           |            | 1       | 7         | 12.25   | 11.21   | 11.63   | 13      |
|           |            | 1       | 14        | 12.21   | 12.05   | 12.14   | 13      |
|           |            | 8       | 0         | 12.23   | 12.08   | 12.21   | 13      |
|           |            | 8       | 4         | 12.05   | 11.98   | 12      | 13      |
|           |            | 8       | 7         | 12.02   | 12.09   | 12.22   | 13      |
|           |            | 15      | 0         | 11.99   | 12.27   | 12.22   | 13      |
|           | 16QAM      | 1       | 0         | 12.81   | 12.5    | 12.17   | 13      |
|           |            | 1       | 7         | 11.71   | 12.11   | 12.16   | 13      |
|           |            | 1       | 14        | 12.4    | 12.51   | 12.4    | 13      |
|           |            | 8       | 0         | 12.1    | 12.08   | 12.07   | 13      |
|           |            | 8       | 4         | 12.06   | 11.88   | 12.05   | 13      |
|           |            | 8       | 7         | 12.13   | 12.05   | 12.08   | 13      |
|           |            | 15      | 0         | 12.12   | 12.13   | 11.88   | 13      |
|           | 64QAM      | 1       | 0         | 12.08   | 12.1    | 12.05   | 13      |
|           |            | 1       | 7         | 11.78   | 12.06   | 12.03   | 13      |
|           |            | 1       | 14        | 12.19   | 12.15   | 12.19   | 13      |
|           |            | 8       | 0         | 12.11   | 11.98   | 12.19   | 13      |
|           |            | 8       | 4         | 11.9    | 11.98   | 11.86   | 13      |
|           |            | 8       | 7         | 11.91   | 11.83   | 11.84   | 13      |
|           |            | 15      | 0         | 12.11   | 11.96   | 12.13   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 12.19   | 12.23   | 12      | 13      |
|           |            | 1       | 13        | 12.06   | 12.12   | 12.19   | 13      |
|           |            | 1       | 24        | 12.15   | 12.05   | 12.27   | 13      |
|           |            | 12      | 0         | 12.33   | 12.21   | 12.2    | 13      |
|           |            | 12      | 6         | 12.12   | 12.08   | 12.2    | 13      |
|           |            | 12      | 13        | 12.21   | 12.16   | 12.18   | 13      |
|           |            | 25      | 0         | 12.1    | 12.16   | 11.99   | 13      |
|           | 16QAM      | 1       | 0         | 12.81   | 12.42   | 12.68   | 13      |
|           |            | 1       | 13        | 12.58   | 12.71   | 12.36   | 13      |
|           |            | 1       | 24        | 12.66   | 11.96   | 12.15   | 13      |
|           |            | 12      | 0         | 12.15   | 12.18   | 12.19   | 13      |
|           |            | 12      | 6         | 12.26   | 12.26   | 12.29   | 13      |
|           |            | 12      | 13        | 12.22   | 12.17   | 12.26   | 13      |
|           |            | 25      | 0         | 12.25   | 12.12   | 12.2    | 13      |
|           | 64QAM      | 1       | 0         | 12.18   | 12.09   | 12.06   | 13      |
|           |            | 1       | 13        | 11.79   | 12.02   | 12.06   | 13      |

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|           |            | 1       | 24        | 12.19         | 12.26         | 12.18         | 13      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 12      | 0         | 12.03         | 11.9          | 12.06         | 13      |
|           |            | 12      | 6         | 11.84         | 11.97         | 11.72         | 13      |
|           |            | 12      | 13        | 11.92         | 11.82         | 11.72         | 13      |
|           |            | 25      | 0         | 12.03         | 12.09         | 12.19         | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel 18650 | Channel 18900 | Channel 19150 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 12.17         | 12.21         | 12.2          | 13      |
|           |            | 1       | 25        | 11.59         | 12.07         | 11.28         | 13      |
|           |            | 1       | 49        | 12.16         | 12.21         | 12.19         | 13      |
|           |            | 25      | 0         | 12.23         | 12.24         | 12.21         | 13      |
|           |            | 25      | 13        | 12.2          | 12.15         | 12.16         | 13      |
|           |            | 25      | 25        | 12.19         | 12.09         | 12.16         | 13      |
|           |            | 50      | 0         | 12.24         | 12.2          | 12.14         | 13      |
|           | 16QAM      | 1       | 0         | 12.79         | 12.57         | 12.55         | 13      |
|           |            | 1       | 25        | 11.99         | 12.01         | 12.39         | 13      |
|           |            | 1       | 49        | 12.89         | 12.5          | 12.51         | 13      |
|           |            | 25      | 0         | 12.14         | 12.09         | 12.15         | 13      |
|           |            | 25      | 13        | 12.09         | 12.21         | 12.18         | 13      |
|           |            | 25      | 25        | 12.08         | 12.09         | 12.08         | 13      |
|           |            | 50      | 0         | 12.04         | 12.18         | 12.11         | 13      |
|           | 64QAM      | 1       | 0         | 12.19         | 12.1          | 11.98         | 13      |
|           |            | 1       | 25        | 11.84         | 12.16         | 12.09         | 13      |
|           |            | 1       | 49        | 12.14         | 12.26         | 12.15         | 13      |
|           |            | 25      | 0         | 12.1          | 11.98         | 12.2          | 13      |
|           |            | 25      | 13        | 11.79         | 11.91         | 11.86         | 13      |
|           |            | 25      | 25        | 11.97         | 11.83         | 11.8          | 13      |
|           |            | 50      | 0         | 12.02         | 12.06         | 12.1          | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel 18675 | Channel 18900 | Channel 19125 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 12.12         | 12.29         | 12.21         | 13      |
|           |            | 1       | 38        | 12.09         | 12.17         | 12.14         | 13      |
|           |            | 1       | 74        | 12.08         | 12.09         | 11.94         | 13      |
|           |            | 36      | 0         | 12.22         | 12.26         | 12.15         | 13      |
|           |            | 36      | 18        | 12.18         | 12.19         | 12.21         | 13      |
|           |            | 36      | 39        | 12.13         | 12.19         | 12.21         | 13      |
|           |            | 75      | 0         | 12.28         | 12.27         | 12.21         | 13      |
|           | 16QAM      | 1       | 0         | 12.45         | 12.43         | 12.61         | 13      |
|           |            | 1       | 38        | 12.7          | 12.77         | 12.49         | 13      |
|           |            | 1       | 74        | 12.6          | 12.55         | 12.48         | 13      |
|           |            | 36      | 0         | 12.18         | 12.22         | 12.18         | 13      |
|           |            | 36      | 18        | 12.12         | 12.16         | 12.07         | 13      |
|           |            | 36      | 39        | 12.09         | 12.17         | 11.98         | 13      |
|           |            | 75      | 0         | 12.01         | 12.2          | 12.13         | 13      |
|           | 64QAM      | 1       | 0         | 12.1          | 12.09         | 12.12         | 13      |
|           |            | 1       | 38        | 11.79         | 12.08         | 12.01         | 13      |
|           |            | 1       | 74        | 12.08         | 12.21         | 12.05         | 13      |

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|           |            | 36      | 0         | 12.09         | 11.88         | 12.04         | 13      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 36      | 18        | 11.88         | 12.04         | 11.84         | 13      |
|           |            | 36      | 39        | 12.02         | 11.79         | 11.82         | 13      |
|           |            | 75      | 0         | 11.98         | 12.07         | 12.21         | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel 18700 | Channel 18900 | Channel 19100 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 12.28         | 12.34         | 12.37         | 13      |
|           |            | 1       | 50        | 12.58         | 11.97         | 11.76         | 13      |
|           |            | 1       | 99        | 12.19         | 12.07         | 12.27         | 13      |
|           |            | 50      | 0         | 12.16         | 12.13         | 12.13         | 13      |
|           |            | 50      | 25        | 12.11         | 12.14         | 12.11         | 13      |
|           |            | 50      | 50        | 12.13         | 12.24         | 12.24         | 13      |
|           |            | 100     | 0         | 12.18         | 12.2          | 12.23         | 13      |
|           | 16QAM      | 1       | 0         | 12.77         | 12.84         | 12.71         | 13      |
|           |            | 1       | 50        | 12.34         | 12.19         | 12.07         | 13      |
|           |            | 1       | 99        | 12.64         | 12.26         | 12.51         | 13      |
|           |            | 50      | 0         | 12.09         | 12.21         | 12.2          | 13      |
|           |            | 50      | 25        | 12.16         | 12.15         | 12.1          | 13      |
|           |            | 50      | 50        | 12.11         | 12.03         | 11.99         | 13      |
|           |            | 100     | 0         | 12.12         | 12.16         | 12.02         | 13      |
|           | 64QAM      | 1       | 0         | 12.13         | 12.22         | 12.1          | 13      |
|           |            | 1       | 50        | 11.69         | 12.15         | 11.99         | 13      |
|           |            | 1       | 99        | 12.22         | 12.14         | 12.21         | 13      |
|           |            | 50      | 0         | 11.94         | 12.04         | 12.02         | 13      |
|           |            | 50      | 25        | 11.84         | 12.02         | 11.87         | 13      |
|           |            | 50      | 50        | 11.91         | 11.88         | 11.82         | 13      |
|           |            | 100     | 0         | 12.02         | 12            | 12.15         | 13      |

| LTE Band 2 Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2 |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel 18607        | Channel 18900 | Channel 19193 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 17.64                | 17.72         | 17.78         | 18.5    |
|   |            | 1       | 2         | 17.64                | 17.79         | 18.02         | 18.5    |
|   |            | 1       | 5         | 17.67                | 17.64         | 17.78         | 18.5    |
|   |            | 3       | 0         | 17.68                | 17.75         | 17.61         | 18.5    |
|   |            | 3       | 2         | 17.51                | 17.46         | 17.44         | 18.5    |
|   |            | 3       | 3         | 17.67                | 17.77         | 17.65         | 18.5    |
|   |            | 6       | 0         | 17.58                | 17.62         | 17.65         | 18.5    |
|   | 16QAM      | 1       | 0         | 18.22                | 18            | 17.93         | 18.5    |
|   |            | 1       | 2         | 18.06                | 18.03         | 18.04         | 18.5    |
|   |            | 1       | 5         | 18.1                 | 18.25         | 18.04         | 18.5    |
|   |            | 3       | 0         | 17.95                | 17.69         | 17.8          | 18.5    |
|   |            | 3       | 2         | 17.74                | 17.45         | 17.43         | 18.5    |
|   |            | 3       | 3         | 17.95                | 17.83         | 17.48         | 18.5    |
|   |            | 6       | 0         | 17.54                | 17.51         | 17.41         | 18.5    |

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|           | 64QAM      | 1       | 0         | 17.55         | 17.64         | 17.52         | 18.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 2         | 17.17         | 17.65         | 17.45         | 18.5    |
|           |            | 1       | 5         | 17.68         | 17.59         | 17.68         | 18.5    |
|           |            | 3       | 0         | 17.41         | 17.48         | 17.45         | 18.5    |
|           |            | 3       | 2         | 17.26         | 17.47         | 17.29         | 18.5    |
|           |            | 3       | 3         | 17.4          | 17.29         | 17.25         | 18.5    |
|           |            | 6       | 0         | 17.47         | 17.46         | 17.63         | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 18615 | Channel 18900 | Channel 19185 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 17.76         | 17.69         | 17.74         | 18.5    |
|           |            | 1       | 7         | 17.62         | 16.95         | 15.86         | 18.5    |
|           |            | 1       | 14        | 17.7          | 17.77         | 17.6          | 18.5    |
|           |            | 8       | 0         | 17.61         | 17.7          | 17.52         | 18.5    |
|           |            | 8       | 4         | 17.67         | 17.61         | 17.65         | 18.5    |
|           |            | 8       | 7         | 17.75         | 17.68         | 17.7          | 18.5    |
|           |            | 15      | 0         | 17.75         | 17.62         | 17.64         | 18.5    |
|           | 16QAM      | 1       | 0         | 17.74         | 17.52         | 17.93         | 18.5    |
|           |            | 1       | 7         | 17.79         | 17.76         | 17.2          | 18.5    |
|           |            | 1       | 14        | 17.89         | 18.11         | 18.37         | 18.5    |
|           |            | 8       | 0         | 17.55         | 17.59         | 17.61         | 18.5    |
|           |            | 8       | 4         | 17.45         | 17.62         | 17.64         | 18.5    |
|           |            | 8       | 7         | 17.45         | 17.78         | 17.48         | 18.5    |
|           |            | 15      | 0         | 17.67         | 17.61         | 17.68         | 18.5    |
|           | 64QAM      | 1       | 0         | 17.6          | 17.63         | 17.58         | 18.5    |
|           |            | 1       | 7         | 17.17         | 17.62         | 17.48         | 18.5    |
|           |            | 1       | 14        | 17.65         | 17.63         | 17.7          | 18.5    |
|           |            | 8       | 0         | 17.36         | 17.47         | 17.43         | 18.5    |
|           |            | 8       | 4         | 17.31         | 17.51         | 17.34         | 18.5    |
|           |            | 8       | 7         | 17.32         | 17.29         | 17.24         | 18.5    |
|           |            | 15      | 0         | 17.44         | 17.4          | 17.63         | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 18625 | Channel 18900 | Channel 19175 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 17.77         | 17.66         | 17.75         | 18.5    |
|           |            | 1       | 13        | 17.71         | 17.77         | 17.64         | 18.5    |
|           |            | 1       | 24        | 17.7          | 17.74         | 17.67         | 18.5    |
|           |            | 12      | 0         | 17.78         | 17.73         | 17.79         | 18.5    |
|           |            | 12      | 6         | 17.78         | 17.58         | 17.43         | 18.5    |
|           |            | 12      | 13        | 17.75         | 17.71         | 17.76         | 18.5    |
|           |            | 25      | 0         | 17.85         | 17.65         | 17.75         | 18.5    |
|           | 16QAM      | 1       | 0         | 17.59         | 18            | 18.06         | 18.5    |
|           |            | 1       | 13        | 18.01         | 18.01         | 17.95         | 18.5    |
|           |            | 1       | 24        | 17.57         | 17.78         | 18.03         | 18.5    |
|           |            | 12      | 0         | 17.73         | 17.73         | 17.78         | 18.5    |
|           |            | 12      | 6         | 17.37         | 17.7          | 17.8          | 18.5    |
|           |            | 12      | 13        | 17.69         | 17.67         | 17.74         | 18.5    |
|           |            | 25      | 0         | 17.79         | 17.62         | 17.56         | 18.5    |
|           | 64QAM      | 1       | 0         | 17.62         | 17.68         | 17.59         | 18.5    |

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|           |            | 1       | 13        | 17.11   | 17.56   | 17.4    | 18.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 24        | 17.69   | 17.56   | 17.64   | 18.5    |
|           |            | 12      | 0         | 17.43   | 17.51   | 17.43   | 18.5    |
|           |            | 12      | 6         | 17.34   | 17.46   | 17.3    | 18.5    |
|           |            | 12      | 13        | 17.36   | 17.37   | 17.3    | 18.5    |
|           |            | 25      | 0         | 17.49   | 17.49   | 17.57   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.78   | 17.75   | 17.68   | 18.5    |
|           |            | 1       | 25        | 17.13   | 17.09   | 17.47   | 18.5    |
|           |            | 1       | 49        | 17.49   | 17.7    | 17.74   | 18.5    |
|           |            | 25      | 0         | 17.68   | 17.69   | 17.77   | 18.5    |
|           |            | 25      | 13        | 17.66   | 17.72   | 17.7    | 18.5    |
|           |            | 25      | 25        | 17.76   | 17.64   | 17.63   | 18.5    |
|           |            | 50      | 0         | 17.7    | 17.65   | 17.68   | 18.5    |
|           | 16QAM      | 1       | 0         | 17.84   | 18.19   | 17.96   | 18.5    |
|           |            | 1       | 25        | 17.72   | 18.46   | 17.93   | 18.5    |
|           |            | 1       | 49        | 17.97   | 18.23   | 18.02   | 18.5    |
|           |            | 25      | 0         | 17.64   | 17.72   | 17.68   | 18.5    |
|           |            | 25      | 13        | 17.47   | 17.66   | 17.62   | 18.5    |
|           |            | 25      | 25        | 17.68   | 17.57   | 17.58   | 18.5    |
|           |            | 50      | 0         | 17.59   | 17.54   | 17.68   | 18.5    |
|           | 64QAM      | 1       | 0         | 17.55   | 17.67   | 17.55   | 18.5    |
|           |            | 1       | 25        | 17.12   | 17.55   | 17.42   | 18.5    |
|           |            | 1       | 49        | 17.71   | 17.55   | 17.66   | 18.5    |
|           |            | 25      | 0         | 17.43   | 17.51   | 17.45   | 18.5    |
|           |            | 25      | 13        | 17.25   | 17.42   | 17.33   | 18.5    |
|           |            | 25      | 25        | 17.34   | 17.31   | 17.28   | 18.5    |
|           |            | 50      | 0         | 17.44   | 17.45   | 17.56   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.62   | 17.74   | 17.73   | 18.5    |
|           |            | 1       | 38        | 17.76   | 17.69   | 17.73   | 18.5    |
|           |            | 1       | 74        | 17.52   | 17.58   | 17.67   | 18.5    |
|           |            | 36      | 0         | 17.68   | 17.73   | 17.77   | 18.5    |
|           |            | 36      | 18        | 17.77   | 17.7    | 17.77   | 18.5    |
|           |            | 36      | 39        | 17.71   | 17.69   | 17.7    | 18.5    |
|           |            | 75      | 0         | 17.69   | 17.69   | 17.69   | 18.5    |
|           | 16QAM      | 1       | 0         | 17.8    | 17.6    | 17.82   | 18.5    |
|           |            | 1       | 38        | 18.25   | 17.98   | 18.23   | 18.5    |
|           |            | 1       | 74        | 17.82   | 17.85   | 17.99   | 18.5    |
|           |            | 36      | 0         | 17.71   | 17.69   | 17.67   | 18.5    |
|           |            | 36      | 18        | 17.6    | 17.73   | 17.66   | 18.5    |
|           |            | 36      | 39        | 17.57   | 17.59   | 17.63   | 18.5    |
|           |            | 75      | 0         | 17.66   | 17.75   | 17.64   | 18.5    |
|           | 64QAM      | 1       | 0         | 17.59   | 17.65   | 17.56   | 18.5    |
|           |            | 1       | 38        | 17.1    | 17.55   | 17.46   | 18.5    |

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|           |            | 1       | 74        | 17.68         | 17.63         | 17.69         | 18.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 36      | 0         | 17.43         | 17.46         | 17.51         | 18.5    |
|           |            | 36      | 18        | 17.27         | 17.46         | 17.29         | 18.5    |
|           |            | 36      | 39        | 17.4          | 17.3          | 17.32         | 18.5    |
|           |            | 75      | 0         | 17.48         | 17.5          | 17.58         | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 18700 | Channel 18900 | Channel 19100 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 17.85         | 17.91         | 17.78         | 18.5    |
|           |            | 1       | 50        | 17.27         | 17.13         | 17.16         | 18.5    |
|           |            | 1       | 99        | 17.79         | 17.74         | 17.73         | 18.5    |
|           |            | 50      | 0         | 17.78         | 17.71         | 17.76         | 18.5    |
|           |            | 50      | 25        | 17.63         | 17.73         | 17.6          | 18.5    |
|           |            | 50      | 50        | 17.72         | 17.72         | 17.76         | 18.5    |
|           |            | 100     | 0         | 17.73         | 17.76         | 17.79         | 18.5    |
|           | 16QAM      | 1       | 0         | 17.9          | 18.13         | 18.19         | 18.5    |
|           |            | 1       | 50        | 17.84         | 17.62         | 16.83         | 18.5    |
|           |            | 1       | 99        | 18.06         | 18.03         | 18.01         | 18.5    |
|           |            | 50      | 0         | 17.72         | 17.79         | 17.76         | 18.5    |
|           |            | 50      | 25        | 17.59         | 17.64         | 17.71         | 18.5    |
|           |            | 50      | 50        | 17.67         | 17.73         | 17.71         | 18.5    |
|           |            | 100     | 0         | 17.7          | 17.7          | 17.64         | 18.5    |
|           | 64QAM      | 1       | 0         | 17.59         | 17.71         | 17.53         | 18.5    |
|           |            | 1       | 50        | 17.17         | 17.63         | 17.44         | 18.5    |
|           |            | 1       | 99        | 17.63         | 17.61         | 17.68         | 18.5    |
|           |            | 50      | 0         | 17.4          | 17.53         | 17.43         | 18.5    |
|           |            | 50      | 25        | 17.25         | 17.44         | 17.3          | 18.5    |
|           |            | 50      | 50        | 17.33         | 17.37         | 17.23         | 18.5    |
|           |            | 100     | 0         | 17.46         | 17.47         | 17.62         | 18.5    |

| LTE Band 4 Receiver on(Left head) |            |         |           | Conducted Power(dBm) |               |               |         |
|-----------------------------------|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth                         | Modulation | RB size | RB offset | Channel 19957        | Channel 20175 | Channel 20393 | Tune up |
| 1.4MHz                            | QPSK       | 1       | 0         | 20.35                | 20.24         | 20.16         | 20.5    |
|                                   |            | 1       | 2         | 19.99                | 19.9          | 19.86         | 20.5    |
|                                   |            | 1       | 5         | 20.35                | 20.27         | 20.15         | 20.5    |
|                                   |            | 3       | 0         | 20.34                | 20.19         | 20.14         | 20.5    |
|                                   |            | 3       | 2         | 20.23                | 20.05         | 19.99         | 20.5    |
|                                   |            | 3       | 3         | 20.33                | 20.2          | 19.98         | 20.5    |
|                                   |            | 6       | 0         | 20.31                | 20.29         | 20.14         | 20.5    |
|                                   | 16QAM      | 1       | 0         | 20.43                | 20.44         | 20.45         | 20.5    |
|                                   |            | 1       | 2         | 20.23                | 20.29         | 20.25         | 20.5    |
|                                   |            | 1       | 5         | 20.37                | 20.38         | 20.31         | 20.5    |
|                                   |            | 3       | 0         | 20.3                 | 20.3          | 20.24         | 20.5    |
|                                   |            | 3       | 2         | 20.21                | 20.22         | 19.92         | 20.5    |
|                                   |            | 3       | 3         | 20.38                | 20.29         | 20.17         | 20.5    |

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|           | 64QAM      | 6       | 0         | 20.3          | 20.29         | 20.09         | 20.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 20.33         | 20.3          | 20.14         | 20.5    |
|           |            | 1       | 2         | 20.01         | 19.92         | 20.02         | 20.5    |
|           |            | 1       | 5         | 20.32         | 20.34         | 20.29         | 20.5    |
|           |            | 3       | 0         | 20.39         | 20.22         | 20.17         | 20.5    |
|           |            | 3       | 2         | 20.03         | 19.87         | 19.95         | 20.5    |
|           |            | 3       | 3         | 20.31         | 20.39         | 20.34         | 20.5    |
|           |            | 6       | 0         | 20.14         | 20.2          | 20.09         | 20.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 19965 | Channel 20175 | Channel 20385 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 20.38         | 20.3          | 20.22         | 20.5    |
|           |            | 1       | 7         | 19.85         | 20.03         | 19.9          | 20.5    |
|           |            | 1       | 14        | 20.34         | 20.28         | 20.2          | 20.5    |
|           |            | 8       | 0         | 20.31         | 20.28         | 20.17         | 20.5    |
|           |            | 8       | 4         | 20.19         | 20.29         | 20.21         | 20.5    |
|           |            | 8       | 7         | 20.32         | 20.28         | 20.15         | 20.5    |
|           |            | 15      | 0         | 20.37         | 20.29         | 20.25         | 20.5    |
|           | 16QAM      | 1       | 0         | 20.39         | 20.37         | 20.35         | 20.5    |
|           |            | 1       | 7         | 19.87         | 20.11         | 19.93         | 20.5    |
|           |            | 1       | 14        | 20.31         | 20.28         | 20.49         | 20.5    |
|           |            | 8       | 0         | 20.37         | 20.28         | 20.2          | 20.5    |
|           |            | 8       | 4         | 20.3          | 20.25         | 20.05         | 20.5    |
|           |            | 8       | 7         | 20.3          | 20.27         | 20.04         | 20.5    |
|           |            | 15      | 0         | 20.31         | 20.24         | 20.17         | 20.5    |
|           | 64QAM      | 1       | 0         | 20.43         | 20.3          | 20.18         | 20.5    |
|           |            | 1       | 7         | 19.97         | 19.91         | 20.04         | 20.5    |
|           |            | 1       | 14        | 20.29         | 20.38         | 20.27         | 20.5    |
|           |            | 8       | 0         | 20.39         | 20.26         | 20.07         | 20.5    |
|           |            | 8       | 4         | 20.06         | 19.93         | 19.99         | 20.5    |
|           |            | 8       | 7         | 20.32         | 20.35         | 20.26         | 20.5    |
|           |            | 15      | 0         | 20.09         | 20.13         | 20.05         | 20.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 19975 | Channel 20175 | Channel 20375 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 20.4          | 20.26         | 20.23         | 20.5    |
|           |            | 1       | 13        | 20.34         | 20.24         | 20.22         | 20.5    |
|           |            | 1       | 24        | 20.36         | 20.24         | 20.17         | 20.5    |
|           |            | 12      | 0         | 20.41         | 20.29         | 20.26         | 20.5    |
|           |            | 12      | 6         | 20.34         | 20.27         | 20.22         | 20.5    |
|           |            | 12      | 13        | 20.35         | 20.31         | 20.25         | 20.5    |
|           |            | 25      | 0         | 20.36         | 20.33         | 20.23         | 20.5    |
|           | 16QAM      | 1       | 0         | 20.41         | 20.36         | 20.36         | 20.5    |
|           |            | 1       | 13        | 20.34         | 20.36         | 20.35         | 20.5    |
|           |            | 1       | 24        | 20.38         | 20.3          | 20.33         | 20.5    |
|           |            | 12      | 0         | 20.38         | 20.29         | 20.27         | 20.5    |
|           |            | 12      | 6         | 20.32         | 20.25         | 20.29         | 20.5    |
|           |            | 12      | 13        | 20.31         | 20.31         | 20.19         | 20.5    |
|           |            | 25      | 0         | 20.29         | 20.25         | 20.16         | 20.5    |

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|           | 64QAM      | 1       | 0         | 20.43         | 20.22         | 20.14         | 20.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 13        | 20.02         | 19.87         | 20            | 20.5    |
|           |            | 1       | 24        | 20.4          | 20.43         | 20.28         | 20.5    |
|           |            | 12      | 0         | 20.38         | 20.22         | 20.13         | 20.5    |
|           |            | 12      | 6         | 20.05         | 19.92         | 20.04         | 20.5    |
|           |            | 12      | 13        | 20.28         | 20.3          | 20.29         | 20.5    |
|           |            | 25      | 0         | 20.1          | 20.19         | 20.03         | 20.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20000 | Channel 20175 | Channel 20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 20.38         | 20.29         | 20.27         | 20.5    |
|           |            | 1       | 25        | 19.84         | 20.19         | 19.96         | 20.5    |
|           |            | 1       | 49        | 20.24         | 20.23         | 20.18         | 20.5    |
|           |            | 25      | 0         | 20.38         | 20.31         | 20.29         | 20.5    |
|           |            | 25      | 13        | 20.3          | 20.3          | 20.25         | 20.5    |
|           |            | 25      | 25        | 20.35         | 20.27         | 20.24         | 20.5    |
|           |            | 50      | 0         | 20.33         | 20.27         | 20.23         | 20.5    |
|           | 16QAM      | 1       | 0         | 20.4          | 20.34         | 20.35         | 20.5    |
|           |            | 1       | 25        | 20.33         | 20.32         | 20.36         | 20.5    |
|           |            | 1       | 49        | 20.35         | 20.43         | 20.4          | 20.5    |
|           |            | 25      | 0         | 20.31         | 20.24         | 20.21         | 20.5    |
|           |            | 25      | 13        | 20.24         | 20.21         | 20.17         | 20.5    |
|           |            | 25      | 25        | 20.26         | 20.2          | 20.14         | 20.5    |
|           |            | 50      | 0         | 20.24         | 20.18         | 20.18         | 20.5    |
|           | 64QAM      | 1       | 0         | 20.33         | 20.29         | 20.13         | 20.5    |
|           |            | 1       | 25        | 19.99         | 19.84         | 20.07         | 20.5    |
|           |            | 1       | 49        | 20.38         | 20.38         | 20.28         | 20.5    |
|           |            | 25      | 0         | 20.36         | 20.18         | 20.1          | 20.5    |
|           |            | 25      | 13        | 20.04         | 19.88         | 19.95         | 20.5    |
|           |            | 25      | 25        | 20.26         | 20.29         | 20.28         | 20.5    |
|           |            | 50      | 0         | 20.16         | 20.18         | 20.08         | 20.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20025 | Channel 20175 | Channel 20325 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 20.33         | 20.25         | 20.21         | 20.5    |
|           |            | 1       | 38        | 20.35         | 20.34         | 20.26         | 20.5    |
|           |            | 1       | 74        | 20.27         | 20.18         | 20.11         | 20.5    |
|           |            | 36      | 0         | 20.43         | 20.34         | 20.29         | 20.5    |
|           |            | 36      | 18        | 20.35         | 20.3          | 20.29         | 20.5    |
|           |            | 36      | 39        | 20.31         | 20.3          | 20.21         | 20.5    |
|           |            | 75      | 0         | 20.34         | 20.28         | 20.3          | 20.5    |
|           | 16QAM      | 1       | 0         | 20.37         | 20.35         | 20.36         | 20.5    |
|           |            | 1       | 38        | 20.35         | 20.33         | 20.32         | 20.5    |
|           |            | 1       | 74        | 20.31         | 20.39         | 20.4          | 20.5    |
|           |            | 36      | 0         | 20.35         | 20.3          | 20.21         | 20.5    |
|           |            | 36      | 18        | 20.26         | 20.18         | 20.22         | 20.5    |
|           |            | 36      | 39        | 20.27         | 20.21         | 20.2          | 20.5    |
|           |            | 75      | 0         | 20.3          | 20.18         | 20.17         | 20.5    |
|           | 64QAM      | 1       | 0         | 20.39         | 20.2          | 20.12         | 20.5    |

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|           |            | 1       | 38        | 20           | 19.91        | 20.03        | 20.5    |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            | 1       | 74        | 20.33        | 20.41        | 20.27        | 20.5    |
|           |            | 36      | 0         | 20.3         | 20.25        | 20.07        | 20.5    |
|           |            | 36      | 18        | 20.07        | 19.9         | 20.06        | 20.5    |
|           |            | 36      | 39        | 20.25        | 20.32        | 20.28        | 20.5    |
|           |            | 75      | 0         | 20.1         | 20.13        | 20.07        | 20.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 20050        | 20175        | 20300        |         |
| 20MHz     | QPSK       | 1       | 0         | <b>20.47</b> | <b>20.46</b> | <b>20.41</b> | 20.5    |
|           |            | 1       | 50        | 20.21        | 20.46        | 20.1         | 20.5    |
|           |            | 1       | 99        | 20.4         | 20.35        | 20.37        | 20.5    |
|           |            | 50      | 0         | 20.44        | 20.44        | 20.45        | 20.5    |
|           |            | 50      | 25        | <b>20.47</b> | 20.43        | 20.45        | 20.5    |
|           |            | 50      | 50        | 20.42        | 20.43        | 20.44        | 20.5    |
|           |            | 100     | 0         | 20.46        | 20.46        | 20.47        | 20.5    |
|           | 16QAM      | 1       | 0         | 20.42        | 20.37        | 20.36        | 20.5    |
|           |            | 1       | 50        | 20.31        | 20.34        | 20.35        | 20.5    |
|           |            | 1       | 99        | 20.34        | 20.32        | 20.32        | 20.5    |
|           |            | 50      | 0         | 20.47        | 20.47        | 20.4         | 20.5    |
|           |            | 50      | 25        | 20.4         | 20.38        | 20.37        | 20.5    |
|           |            | 50      | 50        | 20.41        | 20.38        | 20.36        | 20.5    |
|           |            | 100     | 0         | 20.47        | 20.4         | 20.4         | 20.5    |
|           | 64QAM      | 1       | 0         | 20.39        | 20.21        | 20.19        | 20.5    |
|           |            | 1       | 50        | 20           | 19.89        | 20.02        | 20.5    |
|           |            | 1       | 99        | 20.35        | 20.34        | 20.32        | 20.5    |
|           |            | 50      | 0         | 20.38        | 20.21        | 20.15        | 20.5    |
|           |            | 50      | 25        | 20.03        | 19.86        | 20.01        | 20.5    |
|           |            | 50      | 50        | 20.33        | 20.39        | 20.33        | 20.5    |
|           |            | 100     | 0         | 20.13        | 20.14        | 20.12        | 20.5    |

| LTE Band 4 Receiver on(Right head) |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                             | QPSK       | 1       | 0         | 17.84                | 17.8    | 17.73   | 18      |
|                                    |            | 1       | 2         | 17.51                | 17.66   | 17.62   | 18      |
|                                    |            | 1       | 5         | 17.88                | 17.79   | 17.7    | 18      |
|                                    |            | 3       | 0         | 17.82                | 17.73   | 17.64   | 18      |
|                                    |            | 3       | 2         | 17.72                | 17.5    | 17.55   | 18      |
|                                    |            | 3       | 3         | 17.74                | 17.71   | 17.62   | 18      |
|                                    |            | 6       | 0         | 17.85                | 17.73   | 17.69   | 18      |
|                                    | 16QAM      | 1       | 0         | 17.82                | 17.79   | 17.79   | 18      |
|                                    |            | 1       | 2         | 17.98                | 17.87   | 17.8    | 18      |
|                                    |            | 1       | 5         | 17.84                | 17.68   | 17.75   | 18      |
|                                    |            | 3       | 0         | 17.85                | 17.72   | 17.75   | 18      |
|                                    |            | 3       | 2         | 17.68                | 17.56   | 17.55   | 18      |

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|           |            | 3       | 3         | 17.79            | 17.82            | 17.65            | 18      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 6       | 0         | 17.89            | 17.7             | 17.61            | 18      |
|           | 64QAM      | 1       | 0         | 17.93            | 17.81            | 17.71            | 18      |
|           |            | 1       | 2         | 17.58            | 17.44            | 17.59            | 18      |
|           |            | 1       | 5         | 17.91            | 17.95            | 17.87            | 18      |
|           |            | 3       | 0         | 17.9             | 17.79            | 17.69            | 18      |
|           |            | 3       | 2         | 17.59            | 17.44            | 17.56            | 18      |
|           |            | 3       | 3         | 17.85            | 17.9             | 17.87            | 18      |
|           |            | 6       | 0         | 17.7             | 17.74            | 17.62            | 18      |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>19965 | Channel<br>20175 | Channel<br>20385 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 17.87            | 17.76            | 17.72            | 18      |
|           |            | 1       | 7         | 17.46            | 17.43            | 17.44            | 18      |
|           |            | 1       | 14        | 17.83            | 17.75            | 17.72            | 18      |
|           |            | 8       | 0         | 17.87            | 17.8             | 17.7             | 18      |
|           |            | 8       | 4         | 17.8             | 17.75            | 17.66            | 18      |
|           |            | 8       | 7         | 17.88            | 17.7             | 17.63            | 18      |
|           |            | 15      | 0         | 17.86            | 17.82            | 17.73            | 18      |
|           |            |         |           |                  |                  |                  |         |
|           | 16QAM      | 1       | 0         | 17.85            | 17.74            | 17.69            | 18      |
|           |            | 1       | 7         | 17.51            | 17.47            | 17.52            | 18      |
|           |            | 1       | 14        | 17.81            | 17.77            | 17.74            | 18      |
|           |            | 8       | 0         | 17.87            | 17.74            | 17.73            | 18      |
|           |            | 8       | 4         | 17.81            | 17.71            | 17.63            | 18      |
|           |            | 8       | 7         | 17.8             | 17.71            | 17.69            | 18      |
|           |            | 15      | 0         | 17.89            | 17.74            | 17.68            | 18      |
|           |            |         |           |                  |                  |                  |         |
|           | 64QAM      | 1       | 0         | 17.93            | 17.81            | 17.71            | 18      |
|           |            | 1       | 7         | 17.58            | 17.44            | 17.59            | 18      |
|           |            | 1       | 14        | 17.91            | 17.95            | 17.87            | 18      |
|           |            | 8       | 0         | 17.9             | 17.79            | 17.69            | 18      |
|           |            | 8       | 4         | 17.59            | 17.44            | 17.56            | 18      |
|           |            | 8       | 7         | 17.85            | 17.9             | 17.87            | 18      |
|           |            | 15      | 0         | 17.7             | 17.74            | 17.62            | 18      |
|           |            |         |           |                  |                  |                  |         |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>19975 | Channel<br>20175 | Channel<br>20375 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 17.91            | 17.77            | 17.74            | 18      |
|           |            | 1       | 13        | 17.85            | 17.77            | 17.68            | 18      |
|           |            | 1       | 24        | 17.8             | 17.65            | 17.65            | 18      |
|           |            | 12      | 0         | 17.88            | 17.81            | 17.78            | 18      |
|           |            | 12      | 6         | 17.82            | 17.77            | 17.69            | 18      |
|           |            | 12      | 13        | 17.83            | 17.8             | 17.75            | 18      |
|           |            | 25      | 0         | 17.82            | 17.79            | 17.72            | 18      |
|           |            |         |           |                  |                  |                  |         |
|           | 16QAM      | 1       | 0         | 17.88            | 17.84            | 17.83            | 18      |
|           |            | 1       | 13        | 17.82            | 17.74            | 17.96            | 18      |
|           |            | 1       | 24        | 17.78            | 17.79            | 17.7             | 18      |
|           |            | 12      | 0         | 17.87            | 17.74            | 17.81            | 18      |
|           |            | 12      | 6         | 17.79            | 17.77            | 17.63            | 18      |
|           |            | 12      | 13        | 17.82            | 17.71            | 17.77            | 18      |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |

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|           | 64QAM      | 25      | 0         | 17.79         | 17.73         | 17.66         | 18      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 17.93         | 17.81         | 17.71         | 18      |
|           |            | 1       | 13        | 17.58         | 17.44         | 17.59         | 18      |
|           |            | 1       | 24        | 17.91         | 17.95         | 17.87         | 18      |
|           |            | 12      | 0         | 17.9          | 17.79         | 17.69         | 18      |
|           |            | 12      | 6         | 17.59         | 17.44         | 17.56         | 18      |
|           |            | 12      | 13        | 17.85         | 17.9          | 17.87         | 18      |
|           |            | 25      | 0         | 17.7          | 17.74         | 17.62         | 18      |
| Bandwidth | Modulation | RB size | RB offset | Channel 20000 | Channel 20175 | Channel 20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 17.87         | 17.77         | 17.77         | 18      |
|           |            | 1       | 25        | 17.55         | 17.65         | 17.47         | 18      |
|           |            | 1       | 49        | 17.76         | 17.71         | 17.65         | 18      |
|           |            | 25      | 0         | 17.87         | 17.8          | 17.8          | 18      |
|           |            | 25      | 13        | 17.81         | 17.79         | 17.75         | 18      |
|           |            | 25      | 25        | 17.84         | 17.75         | 17.71         | 18      |
|           |            | 50      | 0         | 17.82         | 17.74         | 17.71         | 18      |
|           |            | 1       | 0         | 17.91         | 17.89         | 17.85         | 18      |
|           | 16QAM      | 1       | 25        | 17.44         | 17.66         | 17.49         | 18      |
|           |            | 1       | 49        | 17.74         | 17.69         | 17.61         | 18      |
|           |            | 25      | 0         | 17.78         | 17.71         | 17.7          | 18      |
|           |            | 25      | 13        | 17.74         | 17.76         | 17.69         | 18      |
|           |            | 25      | 25        | 17.75         | 17.68         | 17.65         | 18      |
|           |            | 50      | 0         | 17.73         | 17.68         | 17.65         | 18      |
|           |            | 1       | 0         | 17.93         | 17.81         | 17.71         | 18      |
|           |            | 1       | 25        | 17.58         | 17.44         | 17.59         | 18      |
|           | 64QAM      | 1       | 49        | 17.91         | 17.95         | 17.87         | 18      |
|           |            | 25      | 0         | 17.9          | 17.79         | 17.69         | 18      |
|           |            | 25      | 13        | 17.59         | 17.44         | 17.56         | 18      |
|           |            | 25      | 25        | 17.85         | 17.9          | 17.87         | 18      |
|           |            | 50      | 0         | 17.7          | 17.74         | 17.62         | 18      |
| Bandwidth | Modulation | RB size | RB offset | Channel 20025 | Channel 20175 | Channel 20325 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 17.79         | 17.77         | 17.68         | 18      |
|           |            | 1       | 38        | 17.84         | 17.76         | 17.76         | 18      |
|           |            | 1       | 74        | 17.68         | 17.65         | 17.6          | 18      |
|           |            | 36      | 0         | 17.86         | 17.84         | 17.81         | 18      |
|           |            | 36      | 18        | 17.82         | 17.77         | 17.79         | 18      |
|           |            | 36      | 39        | 17.84         | 17.74         | 17.74         | 18      |
|           |            | 75      | 0         | 17.83         | 17.77         | 17.73         | 18      |
|           | 16QAM      | 1       | 0         | 17.84         | 17.86         | 17.85         | 18      |
|           |            | 1       | 38        | 17.81         | 17.88         | 17.95         | 18      |
|           |            | 1       | 74        | 17.72         | 17.88         | 17.84         | 18      |
|           |            | 36      | 0         | 17.84         | 17.79         | 17.77         | 18      |
|           |            | 36      | 18        | 17.78         | 17.69         | 17.72         | 18      |
|           |            | 36      | 39        | 17.78         | 17.71         | 17.71         | 18      |
|           |            | 75      | 0         | 17.79         | 17.68         | 17.66         | 18      |

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|           | 64QAM      | 1       | 0         | 17.93            | 17.81            | 17.71            | 18      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 38        | 17.58            | 17.44            | 17.59            | 18      |
|           |            | 1       | 74        | 17.91            | 17.95            | 17.87            | 18      |
|           |            | 36      | 0         | 17.9             | 17.79            | 17.69            | 18      |
|           |            | 36      | 18        | 17.59            | 17.44            | 17.56            | 18      |
|           |            | 36      | 39        | 17.85            | 17.9             | 17.87            | 18      |
|           |            | 75      | 0         | 17.7             | 17.74            | 17.62            | 18      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20050 | Channel<br>20175 | Channel<br>20300 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | <b>17.96</b>     | 17.92            | 17.93            | 18      |
|           |            | 1       | 50        | 17.53            | 17.4             | 17.35            | 18      |
|           |            | 1       | 99        | 17.93            | 17.9             | 17.83            | 18      |
|           |            | 50      | 0         | 17.94            | 17.92            | 17.96            | 18      |
|           |            | 50      | 25        | <b>17.98</b>     | 17.92            | 17.94            | 18      |
|           |            | 50      | 50        | 17.94            | 17.93            | 17.91            | 18      |
|           |            | 100     | 0         | 17.94            | 17.89            | 17.98            | 18      |
|           |            | 1       | 0         | 17.91            | 17.94            | 17.95            | 18      |
|           | 16QAM      | 1       | 50        | 17.72            | 17.74            | 17.68            | 18      |
|           |            | 1       | 99        | 17.86            | 17.88            | 17.91            | 18      |
|           |            | 50      | 0         | 17.92            | 17.95            | 17.89            | 18      |
|           |            | 50      | 25        | 17.93            | 17.88            | 17.89            | 18      |
|           |            | 50      | 50        | 17.88            | 17.83            | 17.86            | 18      |
|           |            | 100     | 0         | 17.92            | 17.9             | 17.9             | 18      |
|           |            | 1       | 0         | 17.93            | 17.81            | 17.71            | 18      |
|           |            | 1       | 50        | 17.58            | 17.44            | 17.59            | 18      |
|           | 64QAM      | 1       | 99        | 17.91            | 17.95            | 17.87            | 18      |
|           |            | 50      | 0         | 17.9             | 17.79            | 17.69            | 18      |
|           |            | 50      | 25        | 17.59            | 17.44            | 17.56            | 18      |
|           |            | 50      | 50        | 17.85            | 17.9             | 17.87            | 18      |
|           |            | 100     | 0         | 17.7             | 17.74            | 17.62            | 18      |

| LTE Band 4 Receiver off (body or limbs) |            |         |           | Conducted Power(dBm) |                  |                  |         |
|---|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel<br>19957     | Channel<br>20175 | Channel<br>20393 | Tune up |
| 1.4MHz                                  | QPSK       | 1       | 0         | 21.41                | 21.35            | 21.32            | 21.5    |
|   |            | 1       | 2         | 20.91                | 20.88            | 21.04            | 21.5    |
|   |            | 1       | 5         | 21.45                | 21.38            | 21.35            | 21.5    |
|   |            | 3       | 0         | 21.28                | 21.15            | 21.24            | 21.5    |
|   |            | 3       | 2         | 21.02                | 21.31            | 21.37            | 21.5    |
|   |            | 3       | 3         | 21.36                | 21.34            | 21.17            | 21.5    |
|   |            | 6       | 0         | 21.4                 | 21.35            | 21.19            | 21.5    |
|   | 16QAM      | 1       | 0         | 21.3                 | 21.35            | 21.29            | 21.5    |
|   |            | 1       | 2         | 21.14                | 21.14            | 21.19            | 21.5    |
|   |            | 1       | 5         | 21.35                | 21.37            | 21.39            | 21.5    |
|   |            | 3       | 0         | 21.35                | 21.47            | 21.33            | 21.5    |

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|           | 64QAM      | 3       | 2         | 21.27   | 21.18   | 21.26   | 21.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 3         | 21.44   | 21.33   | 21.24   | 21.5    |
|           |            | 6       | 0         | 21.36   | 21.43   | 21.19   | 21.5    |
|           |            | 1       | 0         | 21.32   | 21.25   | 21.2    | 21.5    |
|           |            | 1       | 2         | 21.03   | 20.95   | 21.04   | 21.5    |
|           |            | 1       | 5         | 21.41   | 21.43   | 21.34   | 21.5    |
|           |            | 3       | 0         | 21.29   | 21.21   | 21.15   | 21.5    |
|           |            | 3       | 2         | 21      | 20.89   | 20.97   | 21.5    |
|           |            | 3       | 3         | 21.35   | 21.41   | 21.31   | 21.5    |
|           |            | 6       | 0         | 20.72   | 20.76   | 20.63   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19965   | 20175   | 20385   |         |
| 3MHz      | QPSK       | 1       | 0         | 21.49   | 21.4    | 21.31   | 21.5    |
|           |            | 1       | 7         | 20.81   | 20.9    | 21.03   | 21.5    |
|           |            | 1       | 14        | 21.43   | 21.4    | 21.33   | 21.5    |
|           |            | 8       | 0         | 21.47   | 21.46   | 21.32   | 21.5    |
|           |            | 8       | 4         | 21.33   | 21.37   | 21.31   | 21.5    |
|           |            | 8       | 7         | 21.47   | 21.35   | 21.27   | 21.5    |
|           |            | 15      | 0         | 21.48   | 21.4    | 21.34   | 21.5    |
|           | 16QAM      | 1       | 0         | 21.31   | 21.36   | 21.37   | 21.5    |
|           |            | 1       | 7         | 21.44   | 21.35   | 21.44   | 21.5    |
|           |            | 1       | 14        | 21.08   | 21.03   | 21.07   | 21.5    |
|           |            | 8       | 0         | 21.48   | 21.33   | 21.3    | 21.5    |
|           |            | 8       | 4         | 21.38   | 21.35   | 21.17   | 21.5    |
|           |            | 8       | 7         | 21.41   | 21.35   | 21.31   | 21.5    |
|           |            | 15      | 0         | 21.44   | 21.39   | 21.33   | 21.5    |
|           | 64QAM      | 1       | 0         | 21.32   | 21.36   | 21.21   | 21.5    |
|           |            | 1       | 7         | 21.08   | 20.99   | 21.01   | 21.5    |
|           |            | 1       | 14        | 21.37   | 21.34   | 21.27   | 21.5    |
|           |            | 8       | 0         | 20.79   | 20.78   | 20.6    | 21      |
|           |            | 8       | 4         | 20.68   | 20.63   | 20.7    | 21      |
|           |            | 8       | 7         | 20.79   | 20.78   | 20.66   | 21      |
|           |            | 15      | 0         | 20.72   | 20.72   | 20.65   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 21.47   | 21.39   | 21.38   | 21.5    |
|           |            | 1       | 13        | 21.42   | 21.38   | 21.28   | 21.5    |
|           |            | 1       | 24        | 21.36   | 21.4    | 21.32   | 21.5    |
|           |            | 12      | 0         | 21.44   | 21.47   | 21.39   | 21.5    |
|           |            | 12      | 6         | 21.45   | 21.38   | 21.29   | 21.5    |
|           |            | 12      | 13        | 21.44   | 21.44   | 21.37   | 21.5    |
|           |            | 25      | 0         | 21.44   | 21.42   | 21.31   | 21.5    |
|           | 16QAM      | 1       | 0         | 21.43   | 21.39   | 21.4    | 21.5    |
|           |            | 1       | 13        | 21.24   | 21.26   | 21.21   | 21.5    |
|           |            | 1       | 24        | 21.3    | 21.25   | 21.27   | 21.5    |
|           |            | 12      | 0         | 21.49   | 21.42   | 21.39   | 21.5    |
|           |            | 12      | 6         | 21.45   | 21.43   | 21.23   | 21.5    |

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|           | 64QAM      | 12      | 13        | 21.43            | 21.38            | 21.35            | 21.5    |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 25      | 0         | 21.43            | 21.36            | 21.29            | 21.5    |
|           |            | 1       | 0         | 21.33            | 21.27            | 21.26            | 21.5    |
|           |            | 1       | 13        | 21.1             | 20.99            | 21.04            | 21.5    |
|           |            | 1       | 24        | 21.39            | 21.39            | 21.38            | 21.5    |
|           |            | 12      | 0         | 20.88            | 20.71            | 20.7             | 21      |
|           |            | 12      | 6         | 20.76            | 20.68            | 20.56            | 21      |
|           |            | 12      | 13        | 20.69            | 20.7             | 20.68            | 21      |
|           |            | 25      | 0         | 20.7             | 20.75            | 20.74            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20000 | Channel<br>20175 | Channel<br>20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 21.46            | 21.48            | 21.44            | 21.5    |
|           |            | 1       | 25        | 21.34            | 21.28            | 21.13            | 21.5    |
|           |            | 1       | 49        | 21.41            | 21.38            | 21.28            | 21.5    |
|           |            | 25      | 0         | 21.49            | 21.47            | 21.42            | 21.5    |
|           |            | 25      | 13        | 21.44            | 21.45            | 21.37            | 21.5    |
|           |            | 25      | 25        | 21.49            | 21.4             | 21.35            | 21.5    |
|           |            | 50      | 0         | 21.46            | 21.41            | 21.39            | 21.5    |
|           | 16QAM      | 1       | 0         | 21.41            | 21.42            | 21.34            | 21.5    |
|           |            | 1       | 25        | 21.31            | 21.26            | 21.37            | 21.5    |
|           |            | 1       | 49        | 21.36            | 21.3             | 21.32            | 21.5    |
|           |            | 25      | 0         | 21.42            | 21.35            | 21.31            | 21.5    |
|           |            | 25      | 13        | 21.38            | 21.42            | 21.34            | 21.5    |
|           |            | 25      | 25        | 21.44            | 21.33            | 21.29            | 21.5    |
|           |            | 50      | 0         | 21.39            | 21.36            | 21.32            | 21.5    |
|           | 64QAM      | 1       | 0         | 21.38            | 21.31            | 21.21            | 21.5    |
|           |            | 1       | 25        | 21.02            | 20.99            | 21.1             | 21.5    |
|           |            | 1       | 49        | 21.35            | 21.4             | 21.27            | 21.5    |
|           |            | 25      | 0         | 20.75            | 20.79            | 20.69            | 21      |
|           |            | 25      | 13        | 20.8             | 20.66            | 20.65            | 21      |
|           |            | 25      | 25        | 20.75            | 20.7             | 20.59            | 21      |
|           |            | 50      | 0         | 20.82            | 20.66            | 20.75            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20025 | Channel<br>20175 | Channel<br>20325 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 21.45            | 21.47            | 21.41            | 21.5    |
|           |            | 1       | 38        | 21.44            | 21.43            | 21.46            | 21.5    |
|           |            | 1       | 74        | 21.4             | 21.34            | 21.35            | 21.5    |
|           |            | 36      | 0         | 21.39            | 21.4             | 21.48            | 21.5    |
|           |            | 36      | 18        | 21.42            | 21.43            | 21.46            | 21.5    |
|           |            | 36      | 39        | 21.46            | 21.46            | 21.42            | 21.5    |
|           |            | 75      | 0         | 21.46            | 21.43            | 21.44            | 21.5    |
|           | 16QAM      | 1       | 0         | 21.42            | 21.44            | 21.4             | 21.5    |
|           |            | 1       | 38        | 21.39            | 21.45            | 21.42            | 21.5    |
|           |            | 1       | 74        | 21.31            | 21.33            | 21.34            | 21.5    |
|           |            | 36      | 0         | 21.44            | 21.44            | 21.4             | 21.5    |
|           |            | 36      | 18        | 21.46            | 21.41            | 21.42            | 21.5    |
|           |            | 36      | 39        | 21.48            | 21.43            | 21.36            | 21.5    |

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|           | 64QAM      | 75      | 0         | 21.49            | 21.4             | 21.35            | 21.5    |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 0         | 21.37            | 21.35            | 21.25            | 21.5    |
|           |            | 1       | 38        | 21.13            | 20.95            | 21.11            | 21.5    |
|           |            | 1       | 74        | 21.4             | 21.42            | 21.36            | 21.5    |
|           |            | 36      | 0         | 20.76            | 20.73            | 20.66            | 21      |
|           |            | 36      | 18        | 20.72            | 20.75            | 20.63            | 21      |
|           |            | 36      | 39        | 20.76            | 20.69            | 20.67            | 21      |
|           |            | 75      | 0         | 20.71            | 20.69            | 20.71            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20050 | Channel<br>20175 | Channel<br>20300 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 21.42            | 21.36            | 21.3             | 21.5    |
|           |            | 1       | 50        | 21.08            | 21.04            | 21.03            | 21.5    |
|           |            | 1       | 99        | 21.46            | 21.44            | 21.42            | 21.5    |
|           |            | 50      | 0         | 21.48            | 21.47            | 21.46            | 21.5    |
|           |            | 50      | 25        | 21.41            | 21.43            | 21.45            | 21.5    |
|           |            | 50      | 50        | 21.46            | 21.45            | 21.42            | 21.5    |
|           |            | 100     | 0         | 21.43            | 21.42            | 21.47            | 21.5    |
|           | 16QAM      | 1       | 0         | 21.42            | 21.38            | 21.39            | 21.5    |
|           |            | 1       | 50        | 21.37            | 21.32            | 21.42            | 21.5    |
|           |            | 1       | 99        | 21.35            | 21.36            | 21.34            | 21.5    |
|           |            | 50      | 0         | 21.49            | 21.43            | 21.41            | 21.5    |
|           |            | 50      | 25        | 21.43            | 21.38            | 21.35            | 21.5    |
|           |            | 50      | 50        | 21.42            | 21.33            | 21.37            | 21.5    |
|           |            | 100     | 0         | 21.43            | 21.38            | 21.38            | 21.5    |
|           | 64QAM      | 1       | 0         | 21.45            | 21.37            | 21.3             | 21.5    |
|           |            | 1       | 50        | 21.16            | 21.02            | 21.12            | 21.5    |
|           |            | 1       | 99        | 21.44            | 21.45            | 21.42            | 21.5    |
|           |            | 50      | 0         | 20.88            | 20.8             | 20.72            | 21      |
|           |            | 50      | 25        | 20.81            | 20.76            | 20.71            | 21      |
|           |            | 50      | 50        | 20.81            | 20.79            | 20.72            | 21      |
|           |            | 100     | 0         | 20.84            | 20.77            | 20.75            | 21      |

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| LTE Band 4 Receiver off (body or limbs) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 18.4                 | 18.29   | 18.27   | 18.5    |
|  |            | 1       | 2         | 18.12                | 18.02   | 17.76   | 18.5    |
|  |            | 1       | 5         | 18.36                | 18.32   | 18.22   | 18.5    |
|  |            | 3       | 0         | 18.33                | 18.29   | 18.16   | 18.5    |
|  |            | 3       | 2         | 18.19                | 18.29   | 18.09   | 18.5    |
|  |            | 3       | 3         | 18.17                | 18.18   | 18.18   | 18.5    |
|  |            | 6       | 0         | 18.36                | 18.29   | 18.07   | 18.5    |
|  | 16QAM      | 1       | 0         | 18.39                | 18.38   | 18.32   | 18.5    |
|  |            | 1       | 2         | 18.39                | 18.38   | 18.25   | 18.5    |
|  |            | 1       | 5         | 18.37                | 18.39   | 18.33   | 18.5    |
|  |            | 3       | 0         | 18.36                | 18.31   | 18.22   | 18.5    |
|  |            | 3       | 2         | 18.2                 | 18      | 18.1    | 18.5    |
|  |            | 3       | 3         | 18.37                | 18.2    | 18.17   | 18.5    |
|  |            | 6       | 0         | 18.4                 | 18.21   | 18.19   | 18.5    |
|  | 64QAM      | 1       | 0         | 18.37                | 18.25   | 18.17   | 18.5    |
|  |            | 1       | 2         | 18.06                | 17.93   | 18.04   | 18.5    |
|  |            | 1       | 5         | 18.31                | 18.38   | 18.33   | 18.5    |
|  |            | 3       | 0         | 18.31                | 18.19   | 18.13   | 18.5    |
|  |            | 3       | 2         | 18.08                | 17.87   | 17.96   | 18.5    |
|  |            | 3       | 3         | 18.24                | 18.33   | 18.29   | 18.5    |
|  |            | 6       | 0         | 18.18                | 18.22   | 18.08   | 18.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz   | QPSK       | 1       | 0         | 18.37                | 18.27   | 18.25   | 18.5    |
|  |            | 1       | 7         | 17.85                | 17.89   | 17.92   | 18.5    |
|  |            | 1       | 14        | 18.34                | 18.25   | 18.19   | 18.5    |
|  |            | 8       | 0         | 18.35                | 18.28   | 18.16   | 18.5    |
|  |            | 8       | 4         | 18.24                | 18.2    | 18.2    | 18.5    |
|  |            | 8       | 7         | 18.33                | 18.27   | 18.19   | 18.5    |
|  |            | 15      | 0         | 18.38                | 18.31   | 18.24   | 18.5    |
|  | 16QAM      | 1       | 0         | 18.35                | 18.31   | 18.29   | 18.5    |
|  |            | 1       | 7         | 18.12                | 18.19   | 18.14   | 18.5    |
|  |            | 1       | 14        | 18.37                | 18.39   | 18.34   | 18.5    |
|  |            | 8       | 0         | 18.38                | 18.28   | 18.26   | 18.5    |
|  |            | 8       | 4         | 18.23                | 18.23   | 18.08   | 18.5    |
|  |            | 8       | 7         | 18.25                | 18.29   | 18.17   | 18.5    |
|  |            | 15      | 0         | 18.34                | 18.27   | 18.17   | 18.5    |
|  | 64QAM      | 1       | 0         | 18.36                | 18.29   | 18.17   | 18.5    |
|  |            | 1       | 7         | 17.99                | 17.91   | 18.06   | 18.5    |
|  |            | 1       | 14        | 18.35                | 18.34   | 18.25   | 18.5    |
|  |            | 8       | 0         | 18.29                | 18.17   | 18.13   | 18.5    |

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|           |            | 8       | 4         | 18.04   | 17.87   | 18.06   | 18.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 18.34   | 18.36   | 18.34   | 18.5    |
|           |            | 15      | 0         | 18.09   | 18.17   | 18.1    | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 18.36   | 18.27   | 18.25   | 18.5    |
|           |            | 1       | 13        | 18.36   | 18.34   | 18.22   | 18.5    |
|           |            | 1       | 24        | 18.29   | 18.21   | 18.18   | 18.5    |
|           |            | 12      | 0         | 18.42   | 18.3    | 18.27   | 18.5    |
|           |            | 12      | 6         | 18.3    | 18.27   | 18.24   | 18.5    |
|           |            | 12      | 13        | 18.38   | 18.26   | 18.29   | 18.5    |
|           |            | 25      | 0         | 18.35   | 18.3    | 18.23   | 18.5    |
|           | 16QAM      | 1       | 0         | 18.3    | 18.34   | 18.37   | 18.5    |
|           |            | 1       | 13        | 18.44   | 18.4    | 18.42   | 18.5    |
|           |            | 1       | 24        | 18.42   | 18.42   | 18.43   | 18.5    |
|           |            | 12      | 0         | 18.39   | 18.29   | 18.24   | 18.5    |
|           |            | 12      | 6         | 18.33   | 18.27   | 18.22   | 18.5    |
|           |            | 12      | 13        | 18.34   | 18.29   | 18.22   | 18.5    |
|           |            | 25      | 0         | 18.31   | 18.23   | 18.17   | 18.5    |
|           | 64QAM      | 1       | 0         | 18.39   | 18.21   | 18.12   | 18.5    |
|           |            | 1       | 13        | 18      | 17.82   | 17.98   | 18.5    |
|           |            | 1       | 24        | 18.41   | 18.34   | 18.31   | 18.5    |
|           |            | 12      | 0         | 18.28   | 18.21   | 18.16   | 18.5    |
|           |            | 12      | 6         | 18.08   | 17.91   | 18.04   | 18.5    |
|           |            | 12      | 13        | 18.28   | 18.3    | 18.35   | 18.5    |
|           |            | 25      | 0         | 18.18   | 18.21   | 18.02   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.33   | 18.29   | 18.27   | 18.5    |
|           |            | 1       | 25        | 18.1    | 18.07   | 18.05   | 18.5    |
|           |            | 1       | 49        | 18.28   | 18.2    | 18.15   | 18.5    |
|           |            | 25      | 0         | 18.36   | 18.3    | 18.3    | 18.5    |
|           |            | 25      | 13        | 18.31   | 18.27   | 18.23   | 18.5    |
|           |            | 25      | 25        | 18.31   | 18.23   | 18.23   | 18.5    |
|           |            | 50      | 0         | 18.32   | 18.24   | 18.25   | 18.5    |
|           | 16QAM      | 1       | 0         | 18.39   | 18.38   | 18.34   | 18.5    |
|           |            | 1       | 25        | 18.41   | 18.27   | 18.43   | 18.5    |
|           |            | 1       | 49        | 18.35   | 18.42   | 18.48   | 18.5    |
|           |            | 25      | 0         | 18.31   | 18.22   | 18.22   | 18.5    |
|           |            | 25      | 13        | 18.26   | 18.26   | 18.15   | 18.5    |
|           |            | 25      | 25        | 18.27   | 18.23   | 18.15   | 18.5    |
|           |            | 50      | 0         | 18.27   | 18.17   | 18.16   | 18.5    |
|           | 64QAM      | 1       | 0         | 18.35   | 18.28   | 18.19   | 18.5    |
|           |            | 1       | 25        | 18.02   | 17.86   | 18      | 18.5    |
|           |            | 1       | 49        | 18.36   | 18.41   | 18.26   | 18.5    |
|           |            | 25      | 0         | 18.31   | 18.26   | 18.15   | 18.5    |
|           |            | 25      | 13        | 18      | 17.83   | 17.99   | 18.5    |

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|           |            | 25      | 25        | 18.24   | 18.33   | 18.25   | 18.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 18.11   | 18.15   | 18.08   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.31   | 18.3    | 18.24   | 18.5    |
|           |            | 1       | 38        | 18.35   | 18.37   | 18.25   | 18.5    |
|           |            | 1       | 74        | 18.23   | 18.14   | 18.14   | 18.5    |
|           |            | 36      | 0         | 18.33   | 18.3    | 18.28   | 18.5    |
|           |            | 36      | 18        | 18.34   | 18.27   | 18.25   | 18.5    |
|           |            | 36      | 39        | 18.39   | 18.32   | 18.24   | 18.5    |
|           |            | 75      | 0         | 18.35   | 18.28   | 18.32   | 18.5    |
|           | 16QAM      | 1       | 0         | 18.3    | 18.38   | 18.34   | 18.5    |
|           |            | 1       | 38        | 18.34   | 18.36   | 18.38   | 18.5    |
|           |            | 1       | 74        | 18.38   | 18.42   | 18.47   | 18.5    |
|           |            | 36      | 0         | 18.35   | 18.29   | 18.24   | 18.5    |
|           |            | 36      | 18        | 18.29   | 18.25   | 18.25   | 18.5    |
|           |            | 36      | 39        | 18.29   | 18.25   | 18.19   | 18.5    |
|           |            | 75      | 0         | 18.28   | 18.19   | 18.18   | 18.5    |
|           | 64QAM      | 1       | 0         | 18.43   | 18.26   | 18.12   | 18.5    |
|           |            | 1       | 38        | 17.98   | 17.87   | 18.01   | 18.5    |
|           |            | 1       | 74        | 18.39   | 18.42   | 18.27   | 18.5    |
|           |            | 36      | 0         | 18.4    | 18.26   | 18.17   | 18.5    |
|           |            | 36      | 18        | 17.98   | 17.9    | 17.97   | 18.5    |
|           |            | 36      | 39        | 18.23   | 18.37   | 18.31   | 18.5    |
|           |            | 75      | 0         | 18.09   | 18.12   | 18.11   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.47   | 18.4    | 18.42   | 18.5    |
|           |            | 1       | 50        | 18.27   | 18.21   | 18.19   | 18.5    |
|           |            | 1       | 99        | 18.44   | 18.38   | 18.36   | 18.5    |
|           |            | 50      | 0         | 18.42   | 18.41   | 18.48   | 18.5    |
|           |            | 50      | 25        | 18.49   | 18.41   | 18.41   | 18.5    |
|           |            | 50      | 50        | 18.43   | 18.43   | 18.4    | 18.5    |
|           |            | 100     | 0         | 18.42   | 18.45   | 18.41   | 18.5    |
|           | 16QAM      | 1       | 0         | 18.42   | 18.4    | 18.41   | 18.5    |
|           |            | 1       | 50        | 18.36   | 18.37   | 18.36   | 18.5    |
|           |            | 1       | 99        | 18.4    | 18.35   | 18.44   | 18.5    |
|           |            | 50      | 0         | 18.46   | 18.47   | 18.41   | 18.5    |
|           |            | 50      | 25        | 18.45   | 18.36   | 18.35   | 18.5    |
|           |            | 50      | 50        | 18.38   | 18.34   | 18.34   | 18.5    |
|           |            | 100     | 0         | 18.43   | 18.39   | 18.36   | 18.5    |
|           | 64QAM      | 1       | 0         | 18.42   | 18.28   | 18.15   | 18.5    |
|           |            | 1       | 50        | 17.99   | 17.85   | 18.09   | 18.5    |
|           |            | 1       | 99        | 18.33   | 18.4    | 18.36   | 18.5    |
|           |            | 50      | 0         | 18.39   | 18.29   | 18.18   | 18.5    |
|           |            | 50      | 25        | 18.01   | 17.87   | 18.01   | 18.5    |
|           |            | 50      | 50        | 18.25   | 18.32   | 18.37   | 18.5    |

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|  |  |     |   |       |       |      |      |
|--|--|-----|---|-------|-------|------|------|
|  |  | 100 | 0 | 18.13 | 18.18 | 18.1 | 18.5 |
|--|--|-----|---|-------|-------|------|------|

| LTE Band 4 Receiver off (body or limbs) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 16.39                | 16.25   | 16.22   | 16.5    |
|  |            | 1       | 2         | 16.33                | 16.07   | 16.07   | 16.5    |
|  |            | 1       | 5         | 16.41                | 16.31   | 16.2    | 16.5    |
|  |            | 3       | 0         | 16.36                | 16.13   | 16.16   | 16.5    |
|  |            | 3       | 2         | 16.34                | 16.18   | 16.14   | 16.5    |
|  |            | 3       | 3         | 16.19                | 16.26   | 16.12   | 16.5    |
|  |            | 6       | 0         | 16.37                | 16.26   | 16.19   | 16.5    |
|  | 16QAM      | 1       | 0         | 16.39                | 16.37   | 16.32   | 16.5    |
|  |            | 1       | 2         | 16.28                | 16.47   | 16.45   | 16.5    |
|  |            | 1       | 5         | 16.32                | 16.34   | 16.37   | 16.5    |
|  |            | 3       | 0         | 16.32                | 16.33   | 16.28   | 16.5    |
|  |            | 3       | 2         | 16.18                | 16.15   | 16.04   | 16.5    |
|  |            | 3       | 3         | 16.24                | 16.29   | 16.17   | 16.5    |
|  |            | 6       | 0         | 16.24                | 16.27   | 16.03   | 16.5    |
|  | 64QAM      | 1       | 0         | 16.33                | 16.19   | 16.12   | 16.5    |
|  |            | 1       | 2         | 16.05                | 15.9    | 16.02   | 16.5    |
|  |            | 1       | 5         | 16.26                | 16.32   | 16.27   | 16.5    |
|  |            | 3       | 0         | 16.3                 | 16.12   | 16.04   | 16.5    |
|  |            | 3       | 2         | 16                   | 15.84   | 15.89   | 16.5    |
|  |            | 3       | 3         | 16.18                | 16.31   | 16.27   | 16.5    |
|  |            | 6       | 0         | 16.17                | 16.15   | 16.05   | 16.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz   | QPSK       | 1       | 0         | 16.4                 | 16.27   | 16.31   | 16.5    |
|  |            | 1       | 7         | 15.86                | 16.01   | 15.87   | 16.5    |
|  |            | 1       | 14        | 16.32                | 16.3    | 16.21   | 16.5    |
|  |            | 8       | 0         | 16.32                | 16.22   | 16.14   | 16.5    |
|  |            | 8       | 4         | 16.33                | 16.26   | 16.11   | 16.5    |
|  |            | 8       | 7         | 16.31                | 16.22   | 16.1    | 16.5    |
|  |            | 15      | 0         | 16.36                | 16.33   | 16.24   | 16.5    |
|  | 16QAM      | 1       | 0         | 16.31                | 16.38   | 16.39   | 16.5    |
|  |            | 1       | 7         | 16.17                | 15.85   | 16.05   | 16.5    |
|  |            | 1       | 14        | 16.34                | 16.32   | 16.3    | 16.5    |
|  |            | 8       | 0         | 16.36                | 16.25   | 16.19   | 16.5    |
|  |            | 8       | 4         | 16.28                | 16.13   | 16.14   | 16.5    |
|  |            | 8       | 7         | 16.29                | 16.2    | 16.13   | 16.5    |
|  |            | 15      | 0         | 16.36                | 16.31   | 16.17   | 16.5    |
|  | 64QAM      | 1       | 0         | 16.28                | 16.23   | 16.11   | 16.5    |
|  |            | 1       | 7         | 15.99                | 15.93   | 15.97   | 16.5    |
|  |            | 1       | 14        | 16.24                | 16.36   | 16.32   | 16.5    |

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|           |            | 8       | 0         | 16.24         | 16.13         | 16.11         | 16.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 8       | 4         | 16.02         | 15.79         | 15.95         | 16.5    |
|           |            | 8       | 7         | 16.19         | 16.29         | 16.23         | 16.5    |
|           |            | 15      | 0         | 16.16         | 16.15         | 16.01         | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 19975 | Channel 20175 | Channel 20375 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 16.41         | 16.29         | 16.25         | 16.5    |
|           |            | 1       | 13        | 16.39         | 16.28         | 16.25         | 16.5    |
|           |            | 1       | 24        | 16.37         | 16.25         | 16.22         | 16.5    |
|           |            | 12      | 0         | 16.41         | 16.36         | 16.33         | 16.5    |
|           |            | 12      | 6         | 16.32         | 16.27         | 16.23         | 16.5    |
|           |            | 12      | 13        | 16.36         | 16.3          | 16.27         | 16.5    |
|           |            | 25      | 0         | 16.38         | 16.3          | 16.23         | 16.5    |
|           | 16QAM      | 1       | 0         | 16.41         | 16.46         | 16.3          | 16.5    |
|           |            | 1       | 13        | 16.45         | 16.41         | 16.36         | 16.5    |
|           |            | 1       | 24        | 16.38         | 16.31         | 16.34         | 16.5    |
|           |            | 12      | 0         | 16.4          | 16.28         | 16.29         | 16.5    |
|           |            | 12      | 6         | 16.26         | 16.27         | 16.16         | 16.5    |
|           |            | 12      | 13        | 16.36         | 16.33         | 16.24         | 16.5    |
|           |            | 25      | 0         | 16.3          | 16.21         | 16.16         | 16.5    |
|           | 64QAM      | 1       | 0         | 16.32         | 16.23         | 16.16         | 16.5    |
|           |            | 1       | 13        | 15.97         | 15.85         | 15.97         | 16.5    |
|           |            | 1       | 24        | 16.22         | 16.33         | 16.3          | 16.5    |
|           |            | 12      | 0         | 16.25         | 16.18         | 16.08         | 16.5    |
|           |            | 12      | 6         | 16.04         | 15.79         | 15.91         | 16.5    |
|           |            | 12      | 13        | 16.23         | 16.25         | 16.25         | 16.5    |
|           |            | 25      | 0         | 16.11         | 16.2          | 16.02         | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20000 | Channel 20175 | Channel 20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 16.39         | 16.25         | 16.26         | 16.5    |
|           |            | 1       | 25        | 16.07         | 15.99         | 15.9          | 16.5    |
|           |            | 1       | 49        | 16.32         | 16.26         | 16.22         | 16.5    |
|           |            | 25      | 0         | 16.39         | 16.32         | 16.3          | 16.5    |
|           |            | 25      | 13        | 16.31         | 16.28         | 16.25         | 16.5    |
|           |            | 25      | 25        | 16.31         | 16.25         | 16.24         | 16.5    |
|           |            | 50      | 0         | 16.36         | 16.26         | 16.25         | 16.5    |
|           | 16QAM      | 1       | 0         | 16.41         | 16.32         | 16.34         | 16.5    |
|           |            | 1       | 25        | 16.26         | 16.24         | 16.16         | 16.5    |
|           |            | 1       | 49        | 16.39         | 16.31         | 16.38         | 16.5    |
|           |            | 25      | 0         | 16.34         | 16.25         | 16.24         | 16.5    |
|           |            | 25      | 13        | 16.29         | 16.24         | 16.14         | 16.5    |
|           |            | 25      | 25        | 16.3          | 16.17         | 16.15         | 16.5    |
|           |            | 50      | 0         | 16.29         | 16.19         | 16.19         | 16.5    |
|           | 64QAM      | 1       | 0         | 16.28         | 16.24         | 16.1          | 16.5    |
|           |            | 1       | 25        | 16            | 15.92         | 15.97         | 16.5    |
|           |            | 1       | 49        | 16.26         | 16.31         | 16.24         | 16.5    |
|           |            | 25      | 0         | 16.26         | 16.18         | 16.11         | 16.5    |

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|           |            | 25      | 13        | 16.05        | 15.81        | 15.93        | 16.5    |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            | 25      | 25        | 16.19        | 16.32        | 16.26        | 16.5    |
|           |            | 50      | 0         | 16.13        | 16.16        | 16.02        | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 20025        | 20175        | 20325        |         |
| 15MHz     | QPSK       | 1       | 0         | 16.39        | 16.32        | 16.27        | 16.5    |
|           |            | 1       | 38        | 16.32        | 16.34        | 16.32        | 16.5    |
|           |            | 1       | 74        | 16.22        | 16.15        | 16.15        | 16.5    |
|           |            | 36      | 0         | 16.4         | 16.32        | 16.34        | 16.5    |
|           |            | 36      | 18        | 16.31        | 16.29        | 16.29        | 16.5    |
|           |            | 36      | 39        | 16.37        | 16.33        | 16.3         | 16.5    |
|           |            | 75      | 0         | 16.35        | 16.29        | 16.28        | 16.5    |
|           | 16QAM      | 1       | 0         | 16.32        | 16.36        | 16.38        | 16.5    |
|           |            | 1       | 38        | 16.38        | 16.32        | 16.33        | 16.5    |
|           |            | 1       | 74        | 16.34        | 16.38        | 16.47        | 16.5    |
|           |            | 36      | 0         | 16.37        | 16.25        | 16.29        | 16.5    |
|           |            | 36      | 18        | 16.29        | 16.23        | 16.23        | 16.5    |
|           |            | 36      | 39        | 16.3         | 16.22        | 16.22        | 16.5    |
|           |            | 75      | 0         | 16.29        | 16.16        | 16.2         | 16.5    |
|           | 64QAM      | 1       | 0         | 16.3         | 16.17        | 16.08        | 16.5    |
|           |            | 1       | 38        | 16.01        | 15.84        | 15.96        | 16.5    |
|           |            | 1       | 74        | 16.23        | 16.32        | 16.27        | 16.5    |
|           |            | 36      | 0         | 16.25        | 16.18        | 16.09        | 16.5    |
|           |            | 36      | 18        | 16.04        | 15.86        | 15.9         | 16.5    |
|           |            | 36      | 39        | 16.22        | 16.33        | 16.23        | 16.5    |
|           |            | 75      | 0         | 16.1         | 16.15        | 16.08        | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 20050        | 20175        | 20300        |         |
| 20MHz     | QPSK       | 1       | 0         | 16.43        | 16.43        | 16.47        | 16.5    |
|           |            | 1       | 50        | 16.45        | 16.13        | 16.06        | 16.5    |
|           |            | 1       | 99        | <b>16.48</b> | <b>16.36</b> | <b>16.39</b> | 16.5    |
|           |            | 50      | 0         | <b>16.47</b> | 16.45        | 16.47        | 16.5    |
|           |            | 50      | 25        | 16.43        | 16.46        | 16.43        | 16.5    |
|           |            | 50      | 50        | 16.43        | 16.41        | 16.37        | 16.5    |
|           |            | 100     | 0         | 16.42        | 16.43        | 16.43        | 16.5    |
|           | 16QAM      | 1       | 0         | 16.42        | 16.44        | 16.41        | 16.5    |
|           |            | 1       | 50        | 16.47        | 16.38        | 16.47        | 16.5    |
|           |            | 1       | 99        | 16.4         | 16.39        | 16.44        | 16.5    |
|           |            | 50      | 0         | 16.46        | 16.47        | 16.41        | 16.5    |
|           |            | 50      | 25        | 16.43        | 16.37        | 16.33        | 16.5    |
|           |            | 50      | 50        | 16.35        | 16.36        | 16.31        | 16.5    |
|           |            | 100     | 0         | 16.39        | 16.33        | 16.34        | 16.5    |
|           | 64QAM      | 1       | 0         | 16.35        | 16.15        | 16.13        | 16.5    |
|           |            | 1       | 50        | 15.96        | 15.89        | 16.01        | 16.5    |
|           |            | 1       | 99        | 16.28        | 16.3         | 16.29        | 16.5    |
|           |            | 50      | 0         | 16.25        | 16.17        | 16.05        | 16.5    |
|           |            | 50      | 25        | 15.99        | 15.86        | 15.88        | 16.5    |

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|  |  |     |    |       |       |       |      |
|--|--|-----|----|-------|-------|-------|------|
|  |  | 50  | 50 | 16.17 | 16.24 | 16.21 | 16.5 |
|  |  | 100 | 0  | 16.1  | 16.17 | 16.06 | 16.5 |

| LTE Band 4 Receiver on(Left head) +hotspot 2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 17.29                | 17.1    | 17.04   | 17.5    |
|   |            | 1       | 2         | 17.41                | 17.2    | 17.12   | 17.5    |
|   |            | 1       | 5         | 17.21                | 17.29   | 17      | 17.5    |
|   |            | 3       | 0         | 17.34                | 17.19   | 17.13   | 17.5    |
|   |            | 3       | 2         | 16.6                 | 16.84   | 17.3    | 17.5    |
|   |            | 3       | 3         | 17.13                | 17.04   | 16.99   | 17.5    |
|   |            | 6       | 0         | 17.27                | 17.14   | 17.06   | 17.5    |
|   | 16QAM      | 1       | 0         | 17.37                | 17.43   | 17.33   | 17.5    |
|   |            | 1       | 2         | 16.68                | 17.1    | 17.18   | 17.5    |
|   |            | 1       | 5         | 17.47                | 17.47   | 17.37   | 17.5    |
|   |            | 3       | 0         | 16.96                | 17.13   | 17.08   | 17.5    |
|   |            | 3       | 2         | 17.21                | 17.35   | 17.19   | 17.5    |
|   |            | 3       | 3         | 16.93                | 17.17   | 16.83   | 17.5    |
|   |            | 6       | 0         | 17.31                | 17.35   | 16.99   | 17.5    |
|   | 64QAM      | 1       | 0         | 17.32                | 17.09   | 17.07   | 17.5    |
|   |            | 1       | 2         | 16.89                | 16.85   | 16.99   | 17.5    |
|   |            | 1       | 5         | 17.26                | 17.22   | 17.27   | 17.5    |
|   |            | 3       | 0         | 17.16                | 17.1    | 16.95   | 17.5    |
|   |            | 3       | 2         | 16.89                | 16.8    | 16.81   | 17.5    |
|   |            | 3       | 3         | 17.1                 | 17.24   | 17.13   | 17.5    |
|   |            | 6       | 0         | 17.04                | 17.12   | 17.04   | 17.5    |
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz  | QPSK       | 1       | 0         | 17.25                | 17.23   | 17.21   | 17.5    |
|   |            | 1       | 7         | 17.19                | 17.46   | 17.43   | 17.5    |
|   |            | 1       | 14        | 17.27                | 17.14   | 17.05   | 17.5    |
|   |            | 8       | 0         | 17.26                | 16.75   | 17.13   | 17.5    |
|   |            | 8       | 4         | 17.01                | 17.14   | 16.66   | 17.5    |
|   |            | 8       | 7         | 17.32                | 17.16   | 16.82   | 17.5    |
|   |            | 15      | 0         | 17.34                | 17.2    | 17.1    | 17.5    |
|   | 16QAM      | 1       | 0         | 17.38                | 17.29   | 17.31   | 17.5    |
|   |            | 1       | 7         | 17.45                | 17.42   | 16.52   | 17.5    |
|   |            | 1       | 14        | 17.31                | 17.15   | 17.22   | 17.5    |
|   |            | 8       | 0         | 17.22                | 17.25   | 17.21   | 17.5    |
|   |            | 8       | 4         | 17.11                | 17.08   | 17.03   | 17.5    |
|   |            | 8       | 7         | 17.27                | 17.02   | 16.99   | 17.5    |
|   |            | 15      | 0         | 17.37                | 17.11   | 17.12   | 17.5    |
|   | 64QAM      | 1       | 0         | 17.27                | 17.09   | 17.04   | 17.5    |
|   |            | 1       | 7         | 16.9                 | 16.87   | 16.94   | 17.5    |

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|           |            | 1       | 14        | 17.27   | 17.23   | 17.2    | 17.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 0         | 17.16   | 17.15   | 17.02   | 17.5    |
|           |            | 8       | 4         | 16.97   | 16.82   | 16.87   | 17.5    |
|           |            | 8       | 7         | 17.14   | 17.17   | 17.2    | 17.5    |
|           |            | 15      | 0         | 17.08   | 17.08   | 16.98   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.26   | 17.37   | 17.21   | 17.5    |
|           |            | 1       | 13        | 17.4    | 17.26   | 17.19   | 17.5    |
|           |            | 1       | 24        | 17.29   | 17.09   | 16.96   | 17.5    |
|           |            | 12      | 0         | 17.33   | 17.18   | 17.18   | 17.5    |
|           |            | 12      | 6         | 17.23   | 17.02   | 16.99   | 17.5    |
|           |            | 12      | 13        | 17.29   | 17.19   | 17.2    | 17.5    |
|           |            | 25      | 0         | 17.21   | 17.23   | 17.15   | 17.5    |
|           | 16QAM      | 1       | 0         | 17.34   | 17.42   | 17.38   | 17.5    |
|           |            | 1       | 13        | 17.32   | 17.33   | 17.29   | 17.5    |
|           |            | 1       | 24        | 17.44   | 17.36   | 17.35   | 17.5    |
|           |            | 12      | 0         | 17.38   | 17.29   | 17.08   | 17.5    |
|           |            | 12      | 6         | 17.13   | 17.29   | 17.13   | 17.5    |
|           |            | 12      | 13        | 17.27   | 17.23   | 17.17   | 17.5    |
|           |            | 25      | 0         | 17.18   | 17.23   | 16.96   | 17.5    |
|           | 64QAM      | 1       | 0         | 17.32   | 17.09   | 17.1    | 17.5    |
|           |            | 1       | 13        | 16.93   | 16.83   | 16.93   | 17.5    |
|           |            | 1       | 24        | 17.24   | 17.28   | 17.28   | 17.5    |
|           |            | 12      | 0         | 17.15   | 17.12   | 17.01   | 17.5    |
|           |            | 12      | 6         | 16.92   | 16.84   | 16.82   | 17.5    |
|           |            | 12      | 13        | 17.11   | 17.22   | 17.17   | 17.5    |
|           |            | 25      | 0         | 17.05   | 17.17   | 16.98   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.28   | 17.17   | 17.12   | 17.5    |
|           |            | 1       | 25        | 17.31   | 17.13   | 16.41   | 17.5    |
|           |            | 1       | 49        | 17.02   | 17.18   | 17.05   | 17.5    |
|           |            | 25      | 0         | 17.25   | 17.18   | 17.26   | 17.5    |
|           |            | 25      | 13        | 17.23   | 17.21   | 17.18   | 17.5    |
|           |            | 25      | 25        | 17.31   | 17.18   | 17.13   | 17.5    |
|           |            | 50      | 0         | 17.27   | 17.16   | 17.17   | 17.5    |
|           | 16QAM      | 1       | 0         | 17.37   | 17.42   | 16.99   | 17.5    |
|           |            | 1       | 25        | 17.09   | 17.07   | 17.25   | 17.5    |
|           |            | 1       | 49        | 17.3    | 17.27   | 17.34   | 17.5    |
|           |            | 25      | 0         | 17.28   | 17.18   | 17.24   | 17.5    |
|           |            | 25      | 13        | 17.28   | 17.16   | 17      | 17.5    |
|           |            | 25      | 25        | 17.25   | 17.18   | 17.13   | 17.5    |
|           |            | 50      | 0         | 17.21   | 17.09   | 17.01   | 17.5    |
|           | 64QAM      | 1       | 0         | 17.31   | 17.09   | 17.12   | 17.5    |
|           |            | 1       | 25        | 16.89   | 16.88   | 16.92   | 17.5    |
|           |            | 1       | 49        | 17.19   | 17.23   | 17.29   | 17.5    |

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|           |            | 25      | 0         | 17.21   | 17.09   | 17      | 17.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 13        | 16.92   | 16.85   | 16.78   | 17.5    |
|           |            | 25      | 25        | 17.09   | 17.15   | 17.17   | 17.5    |
|           |            | 50      | 0         | 17.07   | 17.12   | 17.02   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.21   | 17.32   | 17.15   | 17.5    |
|           |            | 1       | 38        | 17.06   | 17.23   | 17.17   | 17.5    |
|           |            | 1       | 74        | 17.13   | 17.11   | 17.06   | 17.5    |
|           |            | 36      | 0         | 17.3    | 17.33   | 17.23   | 17.5    |
|           |            | 36      | 18        | 17.28   | 17.24   | 17.17   | 17.5    |
|           |            | 36      | 39        | 17.22   | 17.24   | 17.1    | 17.5    |
|           |            | 75      | 0         | 17.31   | 17.25   | 17.16   | 17.5    |
|           | 16QAM      | 1       | 0         | 17.35   | 17.39   | 17.02   | 17.5    |
|           |            | 1       | 38        | 17.32   | 17.18   | 17.34   | 17.5    |
|           |            | 1       | 74        | 17.44   | 17.33   | 17.14   | 17.5    |
|           |            | 36      | 0         | 17.28   | 17.34   | 17.19   | 17.5    |
|           |            | 36      | 18        | 17.26   | 17.15   | 17.12   | 17.5    |
|           |            | 36      | 39        | 17.16   | 17.17   | 17.07   | 17.5    |
|           |            | 75      | 0         | 17.15   | 17.12   | 17.12   | 17.5    |
|           | 64QAM      | 1       | 0         | 17.35   | 17.14   | 17.06   | 17.5    |
|           |            | 1       | 38        | 16.9    | 16.83   | 16.95   | 17.5    |
|           |            | 1       | 74        | 17.25   | 17.28   | 17.23   | 17.5    |
|           |            | 36      | 0         | 17.19   | 17.16   | 16.99   | 17.5    |
|           |            | 36      | 18        | 16.91   | 16.84   | 16.79   | 17.5    |
|           |            | 36      | 39        | 17.1    | 17.15   | 17.2    | 17.5    |
|           |            | 75      | 0         | 17.05   | 17.11   | 17.03   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.43   | 17.34   | 17.31   | 17.5    |
|           |            | 1       | 50        | 17.2    | 17.35   | 16.9    | 17.5    |
|           |            | 1       | 99        | 17.23   | 17.1    | 17.07   | 17.5    |
|           |            | 50      | 0         | 17.38   | 17.38   | 17.19   | 17.5    |
|           |            | 50      | 25        | 17.19   | 17.18   | 17.14   | 17.5    |
|           |            | 50      | 50        | 17.23   | 17.2    | 17.21   | 17.5    |
|           |            | 100     | 0         | 17.36   | 17.28   | 17.16   | 17.5    |
|           | 16QAM      | 1       | 0         | 17.37   | 17.42   | 17.3    | 17.5    |
|           |            | 1       | 50        | 17.4    | 16.87   | 16.72   | 17.5    |
|           |            | 1       | 99        | 17.29   | 17.3    | 17.37   | 17.5    |
|           |            | 50      | 0         | 17.33   | 17.18   | 17.18   | 17.5    |
|           |            | 50      | 25        | 17.21   | 17.09   | 17.07   | 17.5    |
|           |            | 50      | 50        | 17.17   | 17.17   | 17.05   | 17.5    |
|           |            | 100     | 0         | 17.3    | 17.06   | 17.24   | 17.5    |
|           | 64QAM      | 1       | 0         | 17.28   | 17.07   | 17.06   | 17.5    |
|           |            | 1       | 50        | 16.86   | 16.81   | 16.96   | 17.5    |
|           |            | 1       | 99        | 17.18   | 17.27   | 17.28   | 17.5    |
|           |            | 50      | 0         | 17.23   | 17.14   | 17      | 17.5    |

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|  |  |     |    |       |       |       |      |
|--|--|-----|----|-------|-------|-------|------|
|  |  | 50  | 25 | 16.96 | 16.81 | 16.87 | 17.5 |
|  |  | 50  | 50 | 17.13 | 17.17 | 17.2  | 17.5 |
|  |  | 100 | 0  | 17.08 | 17.14 | 16.98 | 17.5 |

| LTE Band 4 Receiver on(Right head) + hotspot<br>2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 14.92                | 14.77   | 14.66   | 15      |
|  |            | 1       | 2         | 13.58                | 14.64   | 13.95   | 15      |
|  |            | 1       | 5         | 14.91                | 14.77   | 14.45   | 15      |
|  |            | 3       | 0         | 14.92                | 14.52   | 14.67   | 15      |
|  |            | 3       | 2         | 14.12                | 14.43   | 14.48   | 15      |
|  |            | 3       | 3         | 14.55                | 14.57   | 14.69   | 15      |
|  |            | 6       | 0         | 14.81                | 14.72   | 14.51   | 15      |
|  | 16QAM      | 1       | 0         | 14.91                | 14.98   | 14.95   | 15      |
|  |            | 1       | 2         | 14.91                | 14.88   | 14.78   | 15      |
|  |            | 1       | 5         | 14.87                | 14.85   | 14.83   | 15      |
|  |            | 3       | 0         | 14.58                | 14.65   | 14.81   | 15      |
|  |            | 3       | 2         | 14.71                | 14.51   | 14.31   | 15      |
|  |            | 3       | 3         | 14.82                | 14.8    | 14.6    | 15      |
|  |            | 6       | 0         | 14.82                | 14.67   | 14.56   | 15      |
|  | 64QAM      | 1       | 0         | 14.78                | 14.59   | 14.48   | 15      |
|  |            | 1       | 2         | 14.32                | 14.26   | 14.47   | 15      |
|  |            | 1       | 5         | 14.73                | 14.66   | 14.67   | 15      |
|  |            | 3       | 0         | 14.66                | 14.54   | 14.36   | 15      |
|  |            | 3       | 2         | 14.38                | 14.26   | 14.22   | 15      |
|  |            | 3       | 3         | 14.6                 | 14.68   | 14.55   | 15      |
|  |            | 6       | 0         | 14.51                | 14.57   | 14.48   | 15      |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz   | QPSK       | 1       | 0         | 14.76                | 14.83   | 14.43   | 15      |
|  |            | 1       | 7         | 14.26                | 12.89   | 13.34   | 15      |
|  |            | 1       | 14        | 14.72                | 14.75   | 14.62   | 15      |
|  |            | 8       | 0         | 14.56                | 14.66   | 14.64   | 15      |
|  |            | 8       | 4         | 14.69                | 14.7    | 14.54   | 15      |
|  |            | 8       | 7         | 14.69                | 14.71   | 14.66   | 15      |
|  |            | 15      | 0         | 14.67                | 14.74   | 14.69   | 15      |
|  | 16QAM      | 1       | 0         | 14.91                | 14.92   | 14.85   | 15      |
|  |            | 1       | 7         | 14.69                | 14.78   | 13.19   | 15      |
|  |            | 1       | 14        | 14.91                | 14.93   | 14.94   | 15      |
|  |            | 8       | 0         | 14.65                | 14.69   | 14.64   | 15      |
|  |            | 8       | 4         | 14.78                | 14.68   | 14.47   | 15      |
|  |            | 8       | 7         | 14.73                | 14.47   | 14.63   | 15      |
|  |            | 15      | 0         | 14.81                | 14.69   | 14.53   | 15      |
|  | 64QAM      | 1       | 0         | 14.79                | 14.5    | 14.48   | 15      |

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|           |            | 1       | 7         | 14.38   | 14.28   | 14.45   | 15      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 14        | 14.73   | 14.64   | 14.72   | 15      |
|           |            | 8       | 0         | 14.63   | 14.51   | 14.42   | 15      |
|           |            | 8       | 4         | 14.29   | 14.27   | 14.25   | 15      |
|           |            | 8       | 7         | 14.52   | 14.72   | 14.59   | 15      |
|           |            | 15      | 0         | 14.52   | 14.6    | 14.48   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 14.76   | 14.77   | 14.7    | 15      |
|           |            | 1       | 13        | 14.65   | 14.69   | 14.58   | 15      |
|           |            | 1       | 24        | 14.81   | 14.71   | 14.52   | 15      |
|           |            | 12      | 0         | 14.76   | 14.71   | 14.73   | 15      |
|           |            | 12      | 6         | 14.73   | 14.64   | 14.67   | 15      |
|           |            | 12      | 13        | 14.75   | 14.72   | 14.65   | 15      |
|           |            | 25      | 0         | 14.68   | 14.77   | 14.59   | 15      |
|           | 16QAM      | 1       | 0         | 14.87   | 14.88   | 14.55   | 15      |
|           |            | 1       | 13        | 14.82   | 14.93   | 14.91   | 15      |
|           |            | 1       | 24        | 14.89   | 14.79   | 14.82   | 15      |
|           |            | 12      | 0         | 14.84   | 14.69   | 14.8    | 15      |
|           |            | 12      | 6         | 14.62   | 14.66   | 14.58   | 15      |
|           |            | 12      | 13        | 14.95   | 14.67   | 14.46   | 15      |
|           |            | 25      | 0         | 14.7    | 14.64   | 14.54   | 15      |
|           | 64QAM      | 1       | 0         | 14.8    | 14.51   | 14.51   | 15      |
|           |            | 1       | 13        | 14.38   | 14.27   | 14.45   | 15      |
|           |            | 1       | 24        | 14.73   | 14.7    | 14.68   | 15      |
|           |            | 12      | 0         | 14.61   | 14.55   | 14.41   | 15      |
|           |            | 12      | 6         | 14.34   | 14.29   | 14.29   | 15      |
|           |            | 12      | 13        | 14.58   | 14.71   | 14.6    | 15      |
|           |            | 25      | 0         | 14.49   | 14.56   | 14.45   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 14.83   | 14.91   | 14.73   | 15      |
|           |            | 1       | 25        | 14.73   | 14.38   | 14.7    | 15      |
|           |            | 1       | 49        | 14.7    | 14.8    | 14.59   | 15      |
|           |            | 25      | 0         | 14.81   | 14.71   | 14.71   | 15      |
|           |            | 25      | 13        | 14.72   | 14.76   | 14.65   | 15      |
|           |            | 25      | 25        | 14.76   | 14.73   | 14.61   | 15      |
|           |            | 50      | 0         | 14.79   | 14.71   | 14.65   | 15      |
|           | 16QAM      | 1       | 0         | 14.95   | 14.93   | 14.86   | 15      |
|           |            | 1       | 25        | 14.91   | 14.95   | 14.97   | 15      |
|           |            | 1       | 49        | 14.69   | 14.55   | 14.71   | 15      |
|           |            | 25      | 0         | 14.72   | 14.51   | 14.54   | 15      |
|           |            | 25      | 13        | 14.54   | 14.68   | 14.57   | 15      |
|           |            | 25      | 25        | 14.79   | 14.59   | 14.6    | 15      |
|           |            | 50      | 0         | 14.66   | 14.63   | 14.54   | 15      |
|           | 64QAM      | 1       | 0         | 14.74   | 14.54   | 14.56   | 15      |
|           |            | 1       | 25        | 14.3    | 14.29   | 14.4    | 15      |

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|           |            | 1       | 49        | 14.73   | 14.64   | 14.75   | 15      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 14.62   | 14.57   | 14.37   | 15      |
|           |            | 25      | 13        | 14.37   | 14.2    | 14.29   | 15      |
|           |            | 25      | 25        | 14.58   | 14.66   | 14.6    | 15      |
|           |            | 50      | 0         | 14.5    | 14.56   | 14.52   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 14.83   | 14.72   | 14.72   | 15      |
|           |            | 1       | 38        | 14.94   | 14.76   | 14.64   | 15      |
|           |            | 1       | 74        | 14.66   | 14.62   | 14.35   | 15      |
|           |            | 36      | 0         | 14.83   | 14.74   | 14.72   | 15      |
|           |            | 36      | 18        | 14.84   | 14.72   | 14.74   | 15      |
|           |            | 36      | 39        | 14.66   | 14.7    | 14.56   | 15      |
|           |            | 75      | 0         | 14.82   | 14.66   | 14.61   | 15      |
|           | 16QAM      | 1       | 0         | 14.64   | 14.63   | 14.57   | 15      |
|           |            | 1       | 38        | 14.72   | 14.74   | 14.63   | 15      |
|           |            | 1       | 74        | 14.96   | 14.96   | 14.94   | 15      |
|           |            | 36      | 0         | 14.73   | 14.79   | 14.72   | 15      |
|           |            | 36      | 18        | 14.63   | 14.64   | 14.72   | 15      |
|           |            | 36      | 39        | 14.78   | 14.58   | 14.56   | 15      |
|           |            | 75      | 0         | 14.79   | 14.63   | 14.54   | 15      |
|           | 64QAM      | 1       | 0         | 14.72   | 14.57   | 14.51   | 15      |
|           |            | 1       | 38        | 14.33   | 14.25   | 14.46   | 15      |
|           |            | 1       | 74        | 14.68   | 14.65   | 14.68   | 15      |
|           |            | 36      | 0         | 14.63   | 14.6    | 14.39   | 15      |
|           |            | 36      | 18        | 14.32   | 14.23   | 14.22   | 15      |
|           |            | 36      | 39        | 14.57   | 14.66   | 14.55   | 15      |
|           |            | 75      | 0         | 14.47   | 14.57   | 14.46   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 14.83   | 14.99   | 14.82   | 15      |
|           |            | 1       | 50        | 14.68   | 14.56   | 14.74   | 15      |
|           |            | 1       | 99        | 14.7    | 14.67   | 14.6    | 15      |
|           |            | 50      | 0         | 14.88   | 14.74   | 14.61   | 15      |
|           |            | 50      | 25        | 14.74   | 14.68   | 14.62   | 15      |
|           |            | 50      | 50        | 14.76   | 14.59   | 14.65   | 15      |
|           |            | 100     | 0         | 14.71   | 14.71   | 14.62   | 15      |
|           | 16QAM      | 1       | 0         | 14.83   | 14.85   | 14.78   | 15      |
|           |            | 1       | 50        | 14.13   | 14.78   | 14.77   | 15      |
|           |            | 1       | 99        | 14.74   | 14.79   | 14.46   | 15      |
|           |            | 50      | 0         | 14.75   | 14.71   | 14.61   | 15      |
|           |            | 50      | 25        | 14.69   | 14.57   | 14.57   | 15      |
|           |            | 50      | 50        | 14.59   | 14.53   | 14.51   | 15      |
|           |            | 100     | 0         | 14.66   | 14.57   | 14.56   | 15      |
|           | 64QAM      | 1       | 0         | 14.79   | 14.54   | 14.55   | 15      |
|           |            | 1       | 50        | 14.37   | 14.25   | 14.44   | 15      |
|           |            | 1       | 99        | 14.68   | 14.69   | 14.69   | 15      |

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|  |  |     |    |       |       |       |    |
|--|--|-----|----|-------|-------|-------|----|
|  |  | 50  | 0  | 14.62 | 14.58 | 14.37 | 15 |
|  |  | 50  | 25 | 14.35 | 14.26 | 14.22 | 15 |
|  |  | 50  | 50 | 14.56 | 14.65 | 14.59 | 15 |
|  |  | 100 | 0  | 14.5  | 14.61 | 14.47 | 15 |

| LTE Band 4 Receiver on(Left head) hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                                       | QPSK       | 1       | 0         | 15.3                 | 15.28   | 15.2    | 15.5    |
|  |            | 1       | 2         | 14.85                | 15.48   | 14.86   | 15.5    |
|  |            | 1       | 5         | 15.28                | 15.3    | 15.14   | 15.5    |
|  |            | 3       | 0         | 15.18                | 15.1    | 15.24   | 15.5    |
|  |            | 3       | 2         | 15.43                | 14.99   | 15.03   | 15.5    |
|  |            | 3       | 3         | 15.23                | 14.84   | 14.78   | 15.5    |
|  |            | 6       | 0         | 15.31                | 15.2    | 15.15   | 15.5    |
|  | 16QAM      | 1       | 0         | 15.3                 | 15.36   | 15.47   | 15.5    |
|  |            | 1       | 2         | 15.2                 | 15.38   | 15.23   | 15.5    |
|  |            | 1       | 5         | 15.3                 | 15.37   | 15.25   | 15.5    |
|  |            | 3       | 0         | 15.33                | 15.1    | 15.07   | 15.5    |
|  |            | 3       | 2         | 15.22                | 15.36   | 15.31   | 15.5    |
|  |            | 3       | 3         | 14.51                | 15.11   | 15.23   | 15.5    |
|  |            | 6       | 0         | 15.08                | 14.92   | 15.08   | 15.5    |
|  | 64QAM      | 1       | 0         | 15.2                 | 15.06   | 14.9    | 15.5    |
|  |            | 1       | 2         | 14.76                | 14.74   | 14.97   | 15.5    |
|  |            | 1       | 5         | 15.23                | 15.08   | 15.13   | 15.5    |
|  |            | 3       | 0         | 15.1                 | 14.96   | 14.82   | 15.5    |
|  |            | 3       | 2         | 14.85                | 14.69   | 14.62   | 15.5    |
|  |            | 3       | 3         | 15.08                | 15.13   | 14.99   | 15.5    |
|  |            | 6       | 0         | 14.91                | 15.01   | 14.97   | 15.5    |
| Bandwidth                                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz   | QPSK       | 1       | 0         | 15.21                | 15.35   | 15.14   | 15.5    |
|  |            | 1       | 7         | 14.99                | 14.27   | 14.95   | 15.5    |
|  |            | 1       | 14        | 15.25                | 15.21   | 15.08   | 15.5    |
|  |            | 8       | 0         | 15.09                | 15.19   | 14.86   | 15.5    |
|  |            | 8       | 4         | 14.97                | 15.21   | 15.03   | 15.5    |
|  |            | 8       | 7         | 15.28                | 15.21   | 14.91   | 15.5    |
|  |            | 15      | 0         | 15.28                | 15.16   | 14.94   | 15.5    |
|  | 16QAM      | 1       | 0         | 15.06                | 15.37   | 15.41   | 15.5    |
|  |            | 1       | 7         | 15.4                 | 15.41   | 15.35   | 15.5    |
|  |            | 1       | 14        | 15.32                | 15.34   | 15.31   | 15.5    |
|  |            | 8       | 0         | 15.28                | 15.2    | 15.16   | 15.5    |
|  |            | 8       | 4         | 15.28                | 15.22   | 15.05   | 15.5    |
|  |            | 8       | 7         | 15.36                | 15.07   | 15.21   | 15.5    |
|  |            | 15      | 0         | 15.18                | 15.15   | 15.14   | 15.5    |

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|           | 64QAM      | 1       | 0         | 15.28         | 15.07         | 14.97         | 15.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 7         | 14.77         | 14.75         | 14.88         | 15.5    |
|           |            | 1       | 14        | 15.17         | 15.09         | 15.07         | 15.5    |
|           |            | 8       | 0         | 15.11         | 15.04         | 14.86         | 15.5    |
|           |            | 8       | 4         | 14.86         | 14.69         | 14.71         | 15.5    |
|           |            | 8       | 7         | 15.02         | 15.16         | 15.04         | 15.5    |
|           |            | 15      | 0         | 14.97         | 15.06         | 14.93         | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 19975 | Channel 20175 | Channel 20375 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 15.24         | 15.31         | 15.18         | 15.5    |
|           |            | 1       | 13        | 15.29         | 15.19         | 15.01         | 15.5    |
|           |            | 1       | 24        | 15.15         | 15.1          | 15.13         | 15.5    |
|           |            | 12      | 0         | 15.28         | 15.15         | 15.12         | 15.5    |
|           |            | 12      | 6         | 15.34         | 15.07         | 15.18         | 15.5    |
|           |            | 12      | 13        | 15.18         | 15.22         | 15.15         | 15.5    |
|           |            | 25      | 0         | 15.23         | 15.26         | 14.99         | 15.5    |
|           | 16QAM      | 1       | 0         | 15.4          | 15.35         | 15.19         | 15.5    |
|           |            | 1       | 13        | 15.22         | 14.94         | 14.93         | 15.5    |
|           |            | 1       | 24        | 15.37         | 15.32         | 15.31         | 15.5    |
|           |            | 12      | 0         | 15.26         | 15.23         | 15.12         | 15.5    |
|           |            | 12      | 6         | 15.34         | 15.01         | 14.93         | 15.5    |
|           |            | 12      | 13        | 15.28         | 15.26         | 15.05         | 15.5    |
|           |            | 25      | 0         | 15.28         | 15.14         | 15.05         | 15.5    |
|           | 64QAM      | 1       | 0         | 15.24         | 15.08         | 14.92         | 15.5    |
|           |            | 1       | 13        | 14.73         | 14.67         | 14.89         | 15.5    |
|           |            | 1       | 24        | 15.22         | 15.14         | 15.11         | 15.5    |
|           |            | 12      | 0         | 15.13         | 15.03         | 14.76         | 15.5    |
|           |            | 12      | 6         | 14.85         | 14.72         | 14.71         | 15.5    |
|           |            | 12      | 13        | 15.01         | 15.15         | 15.02         | 15.5    |
|           |            | 25      | 0         | 15            | 14.98         | 14.88         | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20000 | Channel 20175 | Channel 20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 15.32         | 15.01         | 15.21         | 15.5    |
|           |            | 1       | 25        | 14.29         | 14.49         | 14.81         | 15.5    |
|           |            | 1       | 49        | 15.15         | 15.08         | 15.11         | 15.5    |
|           |            | 25      | 0         | 15.4          | 15.23         | 15.25         | 15.5    |
|           |            | 25      | 13        | 15.22         | 15.18         | 14.96         | 15.5    |
|           |            | 25      | 25        | 15.32         | 15.15         | 15.15         | 15.5    |
|           |            | 50      | 0         | 15.3          | 15.13         | 15.09         | 15.5    |
|           | 16QAM      | 1       | 0         | 15.38         | 15.43         | 15.42         | 15.5    |
|           |            | 1       | 25        | 15.13         | 15.25         | 15.37         | 15.5    |
|           |            | 1       | 49        | 15.22         | 15.33         | 15.42         | 15.5    |
|           |            | 25      | 0         | 15.1          | 15.11         | 15.07         | 15.5    |
|           |            | 25      | 13        | 15.13         | 15.16         | 15.15         | 15.5    |
|           |            | 25      | 25        | 15.24         | 15.04         | 15.09         | 15.5    |
|           |            | 50      | 0         | 15.19         | 15.03         | 14.94         | 15.5    |
|           | 64QAM      | 1       | 0         | 15.26         | 15.05         | 14.92         | 15.5    |

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|           |            | 1       | 25        | 14.79   | 14.73   | 14.97   | 15.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 49        | 15.22   | 15.16   | 15.12   | 15.5    |
|           |            | 25      | 0         | 15.08   | 14.95   | 14.8    | 15.5    |
|           |            | 25      | 13        | 14.82   | 14.72   | 14.69   | 15.5    |
|           |            | 25      | 25        | 15.03   | 15.13   | 14.98   | 15.5    |
|           |            | 50      | 0         | 15.01   | 15      | 14.95   | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.25   | 15.31   | 15.16   | 15.5    |
|           |            | 1       | 38        | 15.29   | 15.33   | 14.96   | 15.5    |
|           |            | 1       | 74        | 15.16   | 15.12   | 14.99   | 15.5    |
|           |            | 36      | 0         | 15.37   | 15.19   | 15.23   | 15.5    |
|           |            | 36      | 18        | 15.3    | 15.23   | 15.13   | 15.5    |
|           |            | 36      | 39        | 15.23   | 15.18   | 15.09   | 15.5    |
|           |            | 75      | 0         | 15.3    | 15.26   | 15.14   | 15.5    |
|           | 16QAM      | 1       | 0         | 15.31   | 15.32   | 15.13   | 15.5    |
|           |            | 1       | 38        | 15.37   | 15.32   | 15.3    | 15.5    |
|           |            | 1       | 74        | 15.32   | 15.24   | 15.42   | 15.5    |
|           |            | 36      | 0         | 15.19   | 15.25   | 15.16   | 15.5    |
|           |            | 36      | 18        | 15.18   | 15.13   | 15.06   | 15.5    |
|           |            | 36      | 39        | 15.14   | 15.05   | 15.15   | 15.5    |
|           |            | 75      | 0         | 15.16   | 15.08   | 15.09   | 15.5    |
|           | 64QAM      | 1       | 0         | 15.22   | 15.04   | 14.96   | 15.5    |
|           |            | 1       | 38        | 14.77   | 14.72   | 14.97   | 15.5    |
|           |            | 1       | 74        | 15.14   | 15.11   | 15.13   | 15.5    |
|           |            | 36      | 0         | 15.13   | 15      | 14.81   | 15.5    |
|           |            | 36      | 18        | 14.8    | 14.75   | 14.63   | 15.5    |
|           |            | 36      | 39        | 15.09   | 15.15   | 15.02   | 15.5    |
|           |            | 75      | 0         | 14.97   | 15      | 14.95   | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 15.26   | 15.18   | 15.11   | 15.5    |
|           |            | 1       | 50        | 14.45   | 14.75   | 14.96   | 15.5    |
|           |            | 1       | 99        | 15.16   | 15.02   | 15.19   | 15.5    |
|           |            | 50      | 0         | 15.37   | 15.34   | 15.18   | 15.5    |
|           |            | 50      | 25        | 15.18   | 15.17   | 15.15   | 15.5    |
|           |            | 50      | 50        | 15.18   | 15.15   | 15.08   | 15.5    |
|           |            | 100     | 0         | 15.26   | 15.15   | 15.19   | 15.5    |
|           | 16QAM      | 1       | 0         | 15.35   | 15.31   | 15.34   | 15.5    |
|           |            | 1       | 50        | 15.34   | 15.39   | 15.33   | 15.5    |
|           |            | 1       | 99        | 15.34   | 14.94   | 15.32   | 15.5    |
|           |            | 50      | 0         | 15.25   | 15.2    | 15.22   | 15.5    |
|           |            | 50      | 25        | 15.22   | 15.02   | 14.99   | 15.5    |
|           |            | 50      | 50        | 15.04   | 14.98   | 15.07   | 15.5    |
|           |            | 100     | 0         | 15.22   | 15.16   | 15.18   | 15.5    |
|           | 64QAM      | 1       | 0         | 15.18   | 15      | 14.95   | 15.5    |
|           |            | 1       | 50        | 14.79   | 14.73   | 14.92   | 15.5    |

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|  |  |     |    |       |       |       |      |
|--|--|-----|----|-------|-------|-------|------|
|  |  | 1   | 99 | 15.17 | 15.06 | 15.11 | 15.5 |
|  |  | 50  | 0  | 15.07 | 14.98 | 14.83 | 15.5 |
|  |  | 50  | 25 | 14.86 | 14.75 | 14.64 | 15.5 |
|  |  | 50  | 50 | 15.06 | 15.18 | 14.96 | 15.5 |
|  |  | 100 | 0  | 15    | 14.97 | 14.96 | 15.5 |

| LTE Band 4 Receiver on(Right head) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 12.89                | 12.68   | 12.63   | 13      |
|   |            | 1       | 2         | 12.94                | 12.99   | 12.48   | 13      |
|   |            | 1       | 5         | 12.8                 | 12.66   | 12.6    | 13      |
|   |            | 3       | 0         | 12.42                | 12.35   | 11.93   | 13      |
|   |            | 3       | 2         | 12.45                | 12.68   | 12.42   | 13      |
|   |            | 3       | 3         | 12.45                | 12.55   | 12.26   | 13      |
|   |            | 6       | 0         | 12.85                | 12.66   | 12.72   | 13      |
|   | 16QAM      | 1       | 0         | 12.91                | 12.72   | 12.81   | 13      |
|   |            | 1       | 2         | 12.29                | 12.31   | 12.27   | 13      |
|   |            | 1       | 5         | 12.96                | 12.98   | 12.99   | 13      |
|   |            | 3       | 0         | 12.65                | 12.49   | 12.28   | 13      |
|   |            | 3       | 2         | 12.67                | 12.9    | 12.26   | 13      |
|   |            | 3       | 3         | 12.21                | 12.48   | 12.5    | 13      |
|   |            | 6       | 0         | 12.97                | 12.45   | 12.12   | 13      |
|   | 64QAM      | 1       | 0         | 12.62                | 12.51   | 12.34   | 13      |
|   |            | 1       | 2         | 12.22                | 12.17   | 12.38   | 13      |
|   |            | 1       | 5         | 12.66                | 12.55   | 12.55   | 13      |
|   |            | 3       | 0         | 12.54                | 12.46   | 12.3    | 13      |
|   |            | 3       | 2         | 12.26                | 12.09   | 12.05   | 13      |
|   |            | 3       | 3         | 12.54                | 12.53   | 12.4    | 13      |
|   |            | 6       | 0         | 12.32                | 12.46   | 12.46   | 13      |
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz  | QPSK       | 1       | 0         | 12.61                | 12.66   | 12.6    | 13      |
|   |            | 1       | 7         | 12.15                | 12.35   | 12.99   | 13      |
|   |            | 1       | 14        | 12.72                | 12.74   | 12.58   | 13      |
|   |            | 8       | 0         | 12.67                | 12.35   | 12.46   | 13      |
|   |            | 8       | 4         | 12.41                | 12.62   | 12.48   | 13      |
|   |            | 8       | 7         | 12.79                | 12.47   | 12.49   | 13      |
|   |            | 15      | 0         | 12.67                | 12.73   | 12.6    | 13      |
|   | 16QAM      | 1       | 0         | 12.87                | 12.91   | 12.95   | 13      |
|   |            | 1       | 7         | 12.76                | 12.53   | 12.84   | 13      |
|   |            | 1       | 14        | 12.82                | 12.76   | 12.66   | 13      |
|   |            | 8       | 0         | 12.77                | 12.74   | 12.48   | 13      |
|   |            | 8       | 4         | 12.61                | 12.51   | 12.65   | 13      |
|   |            | 8       | 7         | 12.84                | 12.63   | 12.37   | 13      |

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|           | 64QAM      | 15      | 0         | 12.64         | 12.69         | 12.58         | 13      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 12.66         | 12.49         | 12.32         | 13      |
|           |            | 1       | 7         | 12.17         | 12.2          | 12.44         | 13      |
|           |            | 1       | 14        | 12.64         | 12.55         | 12.58         | 13      |
|           |            | 8       | 0         | 12.59         | 12.44         | 12.28         | 13      |
|           |            | 8       | 4         | 12.33         | 12.1          | 12.04         | 13      |
|           |            | 8       | 7         | 12.58         | 12.59         | 12.45         | 13      |
|           |            | 15      | 0         | 12.35         | 12.42         | 12.41         | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel 19975 | Channel 20175 | Channel 20375 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 12.9          | 12.65         | 12.6          | 13      |
|           |            | 1       | 13        | 12.76         | 12.87         | 12.42         | 13      |
|           |            | 1       | 24        | 12.73         | 12.54         | 12.52         | 13      |
|           |            | 12      | 0         | 12.78         | 12.71         | 12.58         | 13      |
|           |            | 12      | 6         | 12.92         | 12.94         | 12.63         | 13      |
|           |            | 12      | 13        | 12.85         | 12.69         | 12.55         | 13      |
|           |            | 25      | 0         | 12.73         | 12.75         | 12.58         | 13      |
|           | 16QAM      | 1       | 0         | 12.42         | 12.51         | 12.39         | 13      |
|           |            | 1       | 13        | 12.64         | 12.71         | 12.67         | 13      |
|           |            | 1       | 24        | 12.81         | 12.84         | 12.91         | 13      |
|           |            | 12      | 0         | 12.66         | 12.64         | 12.54         | 13      |
|           |            | 12      | 6         | 12.66         | 12.48         | 12.42         | 13      |
|           |            | 12      | 13        | 12.74         | 12.72         | 12.62         | 13      |
|           |            | 25      | 0         | 12.58         | 12.6          | 12.54         | 13      |
|           | 64QAM      | 1       | 0         | 12.68         | 12.5          | 12.3          | 13      |
|           |            | 1       | 13        | 12.16         | 12.22         | 12.41         | 13      |
|           |            | 1       | 24        | 12.69         | 12.53         | 12.6          | 13      |
|           |            | 12      | 0         | 12.55         | 12.39         | 12.31         | 13      |
|           |            | 12      | 6         | 12.28         | 12.1          | 12.04         | 13      |
|           |            | 12      | 13        | 12.51         | 12.58         | 12.48         | 13      |
|           |            | 25      | 0         | 12.32         | 12.49         | 12.46         | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel 20000 | Channel 20175 | Channel 20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 12.86         | 12.69         | 12.58         | 13      |
|           |            | 1       | 25        | 12.3          | 12.22         | 12.42         | 13      |
|           |            | 1       | 49        | 12.7          | 12.54         | 12.52         | 13      |
|           |            | 25      | 0         | 12.77         | 12.7          | 12.52         | 13      |
|           |            | 25      | 13        | 12.84         | 12.61         | 12.59         | 13      |
|           |            | 25      | 25        | 12.75         | 12.7          | 12.58         | 13      |
|           |            | 50      | 0         | 12.76         | 12.69         | 12.66         | 13      |
|           | 16QAM      | 1       | 0         | 12.86         | 12.73         | 12.5          | 13      |
|           |            | 1       | 25        | 12.99         | 12.59         | 11.95         | 13      |
|           |            | 1       | 49        | 12.89         | 12.84         | 12.83         | 13      |
|           |            | 25      | 0         | 12.76         | 12.64         | 12.58         | 13      |
|           |            | 25      | 13        | 12.74         | 12.6          | 12.49         | 13      |
|           |            | 25      | 25        | 12.69         | 12.53         | 12.41         | 13      |
|           |            | 50      | 0         | 12.7          | 12.48         | 12.62         | 13      |

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|           | 64QAM      | 1       | 0         | 12.6          | 12.52         | 12.39         | 13      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 25        | 12.24         | 12.18         | 12.45         | 13      |
|           |            | 1       | 49        | 12.72         | 12.57         | 12.53         | 13      |
|           |            | 25      | 0         | 12.51         | 12.39         | 12.28         | 13      |
|           |            | 25      | 13        | 12.25         | 12.18         | 12.06         | 13      |
|           |            | 25      | 25        | 12.52         | 12.61         | 12.4          | 13      |
|           |            | 50      | 0         | 12.35         | 12.5          | 12.4          | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel 20025 | Channel 20175 | Channel 20325 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 12.83         | 12.55         | 12.56         | 13      |
|           |            | 1       | 38        | 12.78         | 12.88         | 12.7          | 13      |
|           |            | 1       | 74        | 12.53         | 12.47         | 12.41         | 13      |
|           |            | 36      | 0         | 12.81         | 12.71         | 12.69         | 13      |
|           |            | 36      | 18        | 12.8          | 12.75         | 12.57         | 13      |
|           |            | 36      | 39        | 12.81         | 12.73         | 12.6          | 13      |
|           |            | 75      | 0         | 12.79         | 12.64         | 12.59         | 13      |
|           | 16QAM      | 1       | 0         | 12.91         | 12.86         | 12.94         | 13      |
|           |            | 1       | 38        | 12.81         | 12.84         | 12.84         | 13      |
|           |            | 1       | 74        | 12.69         | 12.66         | 12.78         | 13      |
|           |            | 36      | 0         | 12.75         | 12.69         | 12.61         | 13      |
|           |            | 36      | 18        | 12.66         | 12.59         | 12.54         | 13      |
|           |            | 36      | 39        | 12.62         | 12.55         | 12.55         | 13      |
|           |            | 75      | 0         | 12.59         | 12.54         | 12.56         | 13      |
|           | 64QAM      | 1       | 0         | 12.62         | 12.54         | 12.33         | 13      |
|           |            | 1       | 38        | 12.21         | 12.15         | 12.43         | 13      |
|           |            | 1       | 74        | 12.71         | 12.52         | 12.55         | 13      |
|           |            | 36      | 0         | 12.58         | 12.45         | 12.3          | 13      |
|           |            | 36      | 18        | 12.26         | 12.19         | 12.12         | 13      |
|           |            | 36      | 39        | 12.55         | 12.56         | 12.39         | 13      |
|           |            | 75      | 0         | 12.41         | 12.5          | 12.4          | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel 20050 | Channel 20175 | Channel 20300 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 12.91         | 12.86         | 12.86         | 13      |
|           |            | 1       | 50        | 12.62         | 12.75         | 11.78         | 13      |
|           |            | 1       | 99        | 12.63         | 12.71         | 12.56         | 13      |
|           |            | 50      | 0         | 12.73         | 12.78         | 12.63         | 13      |
|           |            | 50      | 25        | 12.79         | 12.63         | 12.62         | 13      |
|           |            | 50      | 50        | 12.67         | 12.74         | 12.72         | 13      |
|           |            | 100     | 0         | 12.76         | 12.73         | 12.63         | 13      |
|           | 16QAM      | 1       | 0         | 12.86         | 12.91         | 12.87         | 13      |
|           |            | 1       | 50        | 12.49         | 12.45         | 12.26         | 13      |
|           |            | 1       | 99        | 12.52         | 12.79         | 12.9          | 13      |
|           |            | 50      | 0         | 12.75         | 12.68         | 12.57         | 13      |
|           |            | 50      | 25        | 12.61         | 12.58         | 12.57         | 13      |
|           |            | 50      | 50        | 12.66         | 12.53         | 12.57         | 13      |
|           |            | 100     | 0         | 12.7          | 12.63         | 12.57         | 13      |
|           | 64QAM      | 1       | 0         | 12.67         | 12.5          | 12.33         | 13      |

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|  |  |     |    |       |       |       |    |
|--|--|-----|----|-------|-------|-------|----|
|  |  | 1   | 50 | 12.23 | 12.21 | 12.41 | 13 |
|  |  | 1   | 99 | 12.73 | 12.54 | 12.58 | 13 |
|  |  | 50  | 0  | 12.51 | 12.38 | 12.27 | 13 |
|  |  | 50  | 25 | 12.26 | 12.11 | 12.09 | 13 |
|  |  | 50  | 50 | 12.55 | 12.56 | 12.44 | 13 |
|  |  | 100 | 0  | 12.31 | 12.45 | 12.45 | 13 |

| LTE Band 4 Receiver on(Left head) + BT |            |         |           | Conducted Power(dBm) |               |               |         |
|--|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth                              | Modulation | RB size | RB offset | Channel 19957        | Channel 20175 | Channel 20393 | Tune up |
| 1.4MHz                                 | QPSK       | 1       | 0         | 18.37                | 18.12         | 18.2          | 18.5    |
|  |            | 1       | 2         | 17.83                | 18.3          | 17.02         | 18.5    |
|  |            | 1       | 5         | 18.29                | 18.29         | 18.12         | 18.5    |
|  |            | 3       | 0         | 17.81                | 18.34         | 18            | 18.5    |
|  |            | 3       | 2         | 18.2                 | 18.06         | 17.93         | 18.5    |
|  |            | 3       | 3         | 17.9                 | 18.2          | 17.79         | 18.5    |
|  |            | 6       | 0         | 18.25                | 18.05         | 17.74         | 18.5    |
|  | 16QAM      | 1       | 0         | 18.33                | 18.37         | 18.05         | 18.5    |
|  |            | 1       | 2         | 18.38                | 18.35         | 18.36         | 18.5    |
|  |            | 1       | 5         | 18.24                | 18.34         | 18.22         | 18.5    |
|  |            | 3       | 0         | 18.02                | 17.56         | 17.92         | 18.5    |
|  |            | 3       | 2         | 18.16                | 18.35         | 18.25         | 18.5    |
|  |            | 3       | 3         | 18.22                | 17.91         | 17.93         | 18.5    |
|  |            | 6       | 0         | 18.28                | 18.09         | 18.12         | 18.5    |
|  | 64QAM      | 1       | 0         | 18.15                | 17.95         | 17.8          | 18.5    |
|  |            | 1       | 2         | 17.65                | 17.68         | 17.89         | 18.5    |
|  |            | 1       | 5         | 18.2                 | 17.99         | 18.02         | 18.5    |
|  |            | 3       | 0         | 17.92                | 17.83         | 17.72         | 18.5    |
|  |            | 3       | 2         | 17.68                | 17.54         | 17.59         | 18.5    |
|  |            | 3       | 3         | 18                   | 18.04         | 17.9          | 18.5    |
|  |            | 6       | 0         | 17.72                | 17.91         | 17.92         | 18.5    |
| 3MHz                                   | QPSK       | 1       | 0         | 18.29                | 18.22         | 18.24         | 18.5    |
|  |            | 1       | 7         | 17.69                | 18.27         | 16.62         | 18.5    |
|  |            | 1       | 14        | 18.16                | 18.17         | 18.07         | 18.5    |
|  |            | 8       | 0         | 18.19                | 18.27         | 17.68         | 18.5    |
|  |            | 8       | 4         | 18.34                | 18.23         | 18.01         | 18.5    |
|  |            | 8       | 7         | 18.18                | 18.16         | 18.17         | 18.5    |
|  |            | 15      | 0         | 18.14                | 18.25         | 18            | 18.5    |
|  | 16QAM      | 1       | 0         | 18.37                | 18.39         | 18.3          | 18.5    |
|  |            | 1       | 7         | 18.22                | 18.08         | 18.3          | 18.5    |
|  |            | 1       | 14        | 18.41                | 18.39         | 18.35         | 18.5    |
|  |            | 8       | 0         | 18.27                | 18.32         | 18.13         | 18.5    |
|  |            | 8       | 4         | 18.25                | 18.15         | 17.77         | 18.5    |
|  |            |         |           |                      |               |               |         |
|  |            |         |           |                      |               |               |         |
|  |            |         |           |                      |               |               |         |
|  |            |         |           |                      |               |               |         |
|  |            |         |           |                      |               |               |         |

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|           | 64QAM      | 8       | 7         | 18.28         | 18.14         | 18.16         | 18.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 15      | 0         | 18.28         | 18.26         | 17.96         | 18.5    |
|           |            | 1       | 0         | 18.1          | 17.92         | 17.74         | 18.5    |
|           |            | 1       | 7         | 17.71         | 17.68         | 17.89         | 18.5    |
|           |            | 1       | 14        | 18.18         | 17.98         | 18.07         | 18.5    |
|           |            | 8       | 0         | 17.94         | 17.81         | 17.68         | 18.5    |
|           |            | 8       | 4         | 17.67         | 17.57         | 17.58         | 18.5    |
|           |            | 8       | 7         | 17.96         | 17.98         | 17.87         | 18.5    |
|           |            | 15      | 0         | 17.74         | 17.85         | 17.9          | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 19975 | Channel 20175 | Channel 20375 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 18.29         | 18.21         | 18.06         | 18.5    |
|           |            | 1       | 13        | 18.35         | 18.22         | 18.01         | 18.5    |
|           |            | 1       | 24        | 18.28         | 18.2          | 18.02         | 18.5    |
|           |            | 12      | 0         | 18.43         | 18.12         | 18.11         | 18.5    |
|           |            | 12      | 6         | 18.33         | 18.23         | 18.25         | 18.5    |
|           |            | 12      | 13        | 18.3          | 18.2          | 18.16         | 18.5    |
|           |            | 25      | 0         | 18.28         | 18.16         | 18.17         | 18.5    |
|           |            | 1       | 0         | 18.41         | 18.32         | 18.39         | 18.5    |
|           | 16QAM      | 1       | 13        | 18.34         | 18.4          | 18.38         | 18.5    |
|           |            | 1       | 24        | 18.32         | 18.14         | 18.34         | 18.5    |
|           |            | 12      | 0         | 18.36         | 18.15         | 18.19         | 18.5    |
|           |            | 12      | 6         | 18.19         | 18.16         | 18.1          | 18.5    |
|           |            | 12      | 13        | 18.37         | 18.23         | 18.05         | 18.5    |
|           |            | 25      | 0         | 18.22         | 18.15         | 18.07         | 18.5    |
|           |            | 1       | 0         | 18.07         | 17.97         | 17.8          | 18.5    |
|           |            | 1       | 13        | 17.72         | 17.62         | 17.89         | 18.5    |
|           | 64QAM      | 1       | 24        | 18.17         | 18            | 17.98         | 18.5    |
|           |            | 12      | 0         | 17.92         | 17.79         | 17.74         | 18.5    |
|           |            | 12      | 6         | 17.73         | 17.57         | 17.52         | 18.5    |
|           |            | 12      | 13        | 17.97         | 18.02         | 17.89         | 18.5    |
|           |            | 25      | 0         | 17.8          | 17.95         | 17.94         | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20000 | Channel 20175 | Channel 20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 18.29         | 18.15         | 18.21         | 18.5    |
|           |            | 1       | 25        | 17.74         | 18.1          | 17.26         | 18.5    |
|           |            | 1       | 49        | 18.12         | 18.11         | 17.93         | 18.5    |
|           |            | 25      | 0         | 18.27         | 18.3          | 18.18         | 18.5    |
|           |            | 25      | 13        | 18.28         | 18.19         | 18.16         | 18.5    |
|           |            | 25      | 25        | 18.28         | 18.22         | 18.07         | 18.5    |
|           |            | 50      | 0         | 18.29         | 18.12         | 18.12         | 18.5    |
|           | 16QAM      | 1       | 0         | 18.24         | 18.33         | 18.31         | 18.5    |
|           |            | 1       | 25        | 18.32         | 17.57         | 18.34         | 18.5    |
|           |            | 1       | 49        | 18.31         | 18.16         | 18.44         | 18.5    |
|           |            | 25      | 0         | 18.23         | 18.15         | 18.14         | 18.5    |
|           |            | 25      | 13        | 18.26         | 18.14         | 18.19         | 18.5    |
|           |            | 25      | 25        | 18.22         | 18.21         | 18.04         | 18.5    |

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|           | 64QAM      | 50      | 0         | 18.11         | 18.08         | 18.11         | 18.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 18.13         | 17.95         | 17.73         | 18.5    |
|           |            | 1       | 25        | 17.71         | 17.68         | 17.88         | 18.5    |
|           |            | 1       | 49        | 18.2          | 18.02         | 18            | 18.5    |
|           |            | 25      | 0         | 17.92         | 17.8          | 17.67         | 18.5    |
|           |            | 25      | 13        | 17.72         | 17.56         | 17.57         | 18.5    |
|           |            | 25      | 25        | 18.01         | 18.01         | 17.88         | 18.5    |
|           |            | 50      | 0         | 17.81         | 17.93         | 17.87         | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20025 | Channel 20175 | Channel 20325 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 18.29         | 18.14         | 18.14         | 18.5    |
|           |            | 1       | 38        | 18.31         | 18.24         | 18.09         | 18.5    |
|           |            | 1       | 74        | 18.15         | 18.17         | 18.05         | 18.5    |
|           |            | 36      | 0         | 18.24         | 18.27         | 18.15         | 18.5    |
|           |            | 36      | 18        | 18.2          | 18.17         | 18.19         | 18.5    |
|           |            | 36      | 39        | 18.28         | 18.24         | 18.18         | 18.5    |
|           |            | 75      | 0         | 18.3          | 18.18         | 18.08         | 18.5    |
|           | 16QAM      | 1       | 0         | 18.35         | 18.49         | 18.38         | 18.5    |
|           |            | 1       | 38        | 18.42         | 18.33         | 18.08         | 18.5    |
|           |            | 1       | 74        | 18.35         | 18.41         | 17.76         | 18.5    |
|           |            | 36      | 0         | 18.28         | 18.1          | 18.14         | 18.5    |
|           |            | 36      | 18        | 18.12         | 18.02         | 18.04         | 18.5    |
|           |            | 36      | 39        | 18.2          | 18.1          | 18.1          | 18.5    |
|           |            | 75      | 0         | 18.25         | 18.16         | 18.17         | 18.5    |
|           | 64QAM      | 1       | 0         | 18.13         | 17.95         | 17.8          | 18.5    |
|           |            | 1       | 38        | 17.72         | 17.67         | 17.83         | 18.5    |
|           |            | 1       | 74        | 18.14         | 18            | 18.07         | 18.5    |
|           |            | 36      | 0         | 17.92         | 17.81         | 17.7          | 18.5    |
|           |            | 36      | 18        | 17.72         | 17.55         | 17.56         | 18.5    |
|           |            | 36      | 39        | 18.04         | 18.04         | 17.89         | 18.5    |
|           |            | 75      | 0         | 17.79         | 17.87         | 17.92         | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20050 | Channel 20175 | Channel 20300 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 18.45         | 18.28         | 18.43         | 18.5    |
|           |            | 1       | 50        | 18.02         | 17.55         | 17.29         | 18.5    |
|           |            | 1       | 99        | 18.13         | 18.11         | 18.18         | 18.5    |
|           |            | 50      | 0         | 18.33         | 18.18         | 18.15         | 18.5    |
|           |            | 50      | 25        | 18.34         | 18.21         | 18.16         | 18.5    |
|           |            | 50      | 50        | 18.24         | 18.09         | 18.1          | 18.5    |
|           |            | 100     | 0         | 18.3          | 18.17         | 18.17         | 18.5    |
|           | 16QAM      | 1       | 0         | 18.35         | 18.42         | 18.37         | 18.5    |
|           |            | 1       | 50        | 18.26         | 18.36         | 18.04         | 18.5    |
|           |            | 1       | 99        | 18.44         | 18.29         | 18.32         | 18.5    |
|           |            | 50      | 0         | 18.28         | 18.16         | 18.15         | 18.5    |
|           |            | 50      | 25        | 18.16         | 18.05         | 17.98         | 18.5    |
|           |            | 50      | 50        | 18.09         | 18.07         | 18.07         | 18.5    |
|           |            | 100     | 0         | 18.26         | 18            | 18.12         | 18.5    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  | 64QAM | 1   | 0  | 18.14 | 17.98 | 17.77 | 18.5 |
|  |       | 1   | 50 | 17.69 | 17.7  | 17.84 | 18.5 |
|  |       | 1   | 99 | 18.15 | 17.99 | 18    | 18.5 |
|  |       | 50  | 0  | 17.91 | 17.83 | 17.68 | 18.5 |
|  |       | 50  | 25 | 17.69 | 17.54 | 17.58 | 18.5 |
|  |       | 50  | 50 | 17.97 | 18.06 | 17.89 | 18.5 |
|  |       | 100 | 0  | 17.76 | 17.93 | 17.95 | 18.5 |

| LTE Band 4 Receiver on(Right head) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                                  | QPSK       | 1       | 0         | 15.73                | 15.77   | 15.6    | 16      |
|   |            | 1       | 2         | 15.67                | 15.86   | 14.43   | 16      |
|   |            | 1       | 5         | 15.65                | 15.72   | 15.57   | 16      |
|   |            | 3       | 0         | 15.79                | 15.62   | 15.4    | 16      |
|   |            | 3       | 2         | 15.74                | 15      | 15.22   | 16      |
|   |            | 3       | 3         | 15.8                 | 15.66   | 15.65   | 16      |
|   |            | 6       | 0         | 15.73                | 15.3    | 15.38   | 16      |
|   | 16QAM      | 1       | 0         | 15.84                | 15.97   | 15.89   | 16      |
|   |            | 1       | 2         | 15.19                | 15.2    | 15.38   | 16      |
|   |            | 1       | 5         | 15.41                | 15.36   | 15.25   | 16      |
|   |            | 3       | 0         | 15.84                | 15.6    | 15.53   | 16      |
|   |            | 3       | 2         | 15.66                | 15.92   | 15.07   | 16      |
|   |            | 3       | 3         | 15.78                | 15.65   | 15.57   | 16      |
|   |            | 6       | 0         | 15.66                | 15.56   | 15.4    | 16      |
|   | 64QAM      | 1       | 0         | 15.78                | 15.67   | 15.43   | 16      |
|   |            | 1       | 2         | 15.31                | 15.35   | 15.5    | 16      |
|   |            | 1       | 5         | 15.82                | 15.59   | 15.61   | 16      |
|   |            | 3       | 0         | 15.59                | 15.44   | 15.31   | 16      |
|   |            | 3       | 2         | 15.34                | 15.17   | 15.21   | 16      |
|   |            | 3       | 3         | 15.62                | 15.73   | 15.53   | 16      |
|   |            | 6       | 0         | 15.37                | 15.54   | 15.6    | 16      |
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz                                    | QPSK       | 1       | 0         | 15.8                 | 15.75   | 15.65   | 16      |
|   |            | 1       | 7         | 15.37                | 15.49   | 14.5    | 16      |
|   |            | 1       | 14        | 15.64                | 15.65   | 15.48   | 16      |
|   |            | 8       | 0         | 15.31                | 15.73   | 15.43   | 16      |
|   |            | 8       | 4         | 15.55                | 15.74   | 15.49   | 16      |
|   |            | 8       | 7         | 15.76                | 15.74   | 15.57   | 16      |
|   |            | 15      | 0         | 15.8                 | 15.74   | 15.52   | 16      |
|   | 16QAM      | 1       | 0         | 15.94                | 15.91   | 15.95   | 16      |
|   |            | 1       | 7         | 15.35                | 15.05   | 15.8    | 16      |
|   |            | 1       | 14        | 15.76                | 15.71   | 15.74   | 16      |
|   |            | 8       | 0         | 15.9                 | 15.49   | 15.58   | 16      |

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|           | 64QAM      | 8       | 4         | 15.84   | 15.69   | 15.57   | 16      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 15.95   | 15.66   | 15.68   | 16      |
|           |            | 15      | 0         | 15.68   | 15.61   | 15.52   | 16      |
|           |            | 1       | 0         | 15.79   | 15.58   | 15.41   | 16      |
|           |            | 1       | 7         | 15.3    | 15.32   | 15.46   | 16      |
|           |            | 1       | 14        | 15.83   | 15.63   | 15.67   | 16      |
|           |            | 8       | 0         | 15.55   | 15.47   | 15.36   | 16      |
|           |            | 8       | 4         | 15.32   | 15.19   | 15.23   | 16      |
|           |            | 8       | 7         | 15.57   | 15.72   | 15.54   | 16      |
|           |            | 15      | 0         | 15.42   | 15.63   | 15.63   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 15.78   | 15.66   | 15.62   | 16      |
|           |            | 1       | 13        | 15.76   | 15.82   | 15.6    | 16      |
|           |            | 1       | 24        | 15.74   | 15.51   | 15.68   | 16      |
|           |            | 12      | 0         | 15.87   | 15.71   | 15.68   | 16      |
|           |            | 12      | 6         | 15.39   | 15.67   | 15.64   | 16      |
|           |            | 12      | 13        | 15.71   | 15.71   | 15.6    | 16      |
|           |            | 25      | 0         | 15.77   | 15.77   | 15.56   | 16      |
|           |            | 25      | 13        | 15.77   | 15.77   | 15.56   | 16      |
|           | 16QAM      | 1       | 0         | 15.84   | 15.83   | 15.87   | 16      |
|           |            | 1       | 13        | 15.99   | 15.89   | 15.98   | 16      |
|           |            | 1       | 24        | 15.91   | 15.88   | 15.86   | 16      |
|           |            | 12      | 0         | 15.7    | 15.6    | 15.64   | 16      |
|           |            | 12      | 6         | 15.81   | 15.93   | 15.44   | 16      |
|           |            | 12      | 13        | 15.77   | 15.52   | 15.61   | 16      |
|           |            | 25      | 0         | 15.71   | 15.6    | 15.69   | 16      |
|           |            | 25      | 13        | 15.71   | 15.6    | 15.69   | 16      |
|           | 64QAM      | 1       | 0         | 15.8    | 15.64   | 15.42   | 16      |
|           |            | 1       | 13        | 15.29   | 15.39   | 15.5    | 16      |
|           |            | 1       | 24        | 15.84   | 15.65   | 15.7    | 16      |
|           |            | 12      | 0         | 15.59   | 15.44   | 15.37   | 16      |
|           |            | 12      | 6         | 15.31   | 15.17   | 15.24   | 16      |
|           |            | 12      | 13        | 15.63   | 15.67   | 15.53   | 16      |
|           |            | 25      | 0         | 15.39   | 15.61   | 15.65   | 16      |
|           |            | 25      | 13        | 15.39   | 15.61   | 15.65   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 15.92   | 15.63   | 15.68   | 16      |
|           |            | 1       | 25        | 15.21   | 15.11   | 15.05   | 16      |
|           |            | 1       | 49        | 15.64   | 15.74   | 15.47   | 16      |
|           |            | 25      | 0         | 15.77   | 15.75   | 15.66   | 16      |
|           |            | 25      | 13        | 15.83   | 15.65   | 15.59   | 16      |
|           |            | 25      | 25        | 15.73   | 15.68   | 15.55   | 16      |
|           |            | 50      | 0         | 15.76   | 15.74   | 15.58   | 16      |
|           |            | 50      | 13        | 15.76   | 15.74   | 15.58   | 16      |
|           | 16QAM      | 1       | 0         | 15.78   | 15.72   | 15.67   | 16      |
|           |            | 1       | 25        | 15.76   | 15.81   | 14.05   | 16      |
|           |            | 1       | 49        | 15.79   | 15.84   | 15.86   | 16      |
|           |            | 25      | 0         | 15.64   | 15.62   | 15.62   | 16      |
|           |            | 25      | 13        | 15.68   | 15.73   | 15.69   | 16      |
|           |            | 25      | 25        | 15.68   | 15.73   | 15.69   | 16      |
|           |            | 50      | 0         | 15.68   | 15.73   | 15.69   | 16      |
|           |            | 50      | 13        | 15.68   | 15.73   | 15.69   | 16      |

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|           |            | 25      | 25        | 15.6    | 15.64   | 15.58   | 16      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 15.68   | 15.59   | 15.5    | 16      |
|           | 64QAM      | 1       | 0         | 15.82   | 15.63   | 15.46   | 16      |
|           |            | 1       | 25        | 15.33   | 15.39   | 15.5    | 16      |
|           |            | 1       | 49        | 15.76   | 15.6    | 15.7    | 16      |
|           |            | 25      | 0         | 15.6    | 15.51   | 15.32   | 16      |
|           |            | 25      | 13        | 15.3    | 15.23   | 15.25   | 16      |
|           |            | 25      | 25        | 15.6    | 15.72   | 15.53   | 16      |
|           |            | 50      | 0         | 15.38   | 15.57   | 15.61   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.76   | 15.84   | 15.62   | 16      |
|           |            | 1       | 38        | 15.74   | 15.78   | 15.61   | 16      |
|           |            | 1       | 74        | 15.68   | 15.54   | 15.59   | 16      |
|           |            | 36      | 0         | 15.88   | 15.77   | 15.8    | 16      |
|           |            | 36      | 18        | 15.72   | 15.66   | 15.68   | 16      |
|           |            | 36      | 39        | 15.76   | 15.63   | 15.64   | 16      |
|           |            | 75      | 0         | 15.75   | 15.69   | 15.7    | 16      |
|           | 16QAM      | 1       | 0         | 15.59   | 15.33   | 15.43   | 16      |
|           |            | 1       | 38        | 15.87   | 15.84   | 15.83   | 16      |
|           |            | 1       | 74        | 15.89   | 15.86   | 15.8    | 16      |
|           |            | 36      | 0         | 15.74   | 15.66   | 15.76   | 16      |
|           |            | 36      | 18        | 15.79   | 15.73   | 15.61   | 16      |
|           |            | 36      | 39        | 15.68   | 15.63   | 15.56   | 16      |
|           |            | 75      | 0         | 15.76   | 15.56   | 15.57   | 16      |
|           | 64QAM      | 1       | 0         | 15.78   | 15.6    | 15.4    | 16      |
|           |            | 1       | 38        | 15.37   | 15.32   | 15.54   | 16      |
|           |            | 1       | 74        | 15.81   | 15.63   | 15.68   | 16      |
|           |            | 36      | 0         | 15.54   | 15.44   | 15.31   | 16      |
|           |            | 36      | 18        | 15.35   | 15.22   | 15.19   | 16      |
|           |            | 36      | 39        | 15.58   | 15.7    | 15.53   | 16      |
|           |            | 75      | 0         | 15.4    | 15.6    | 15.6    | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 15.95   | 15.97   | 15.84   | 16      |
|           |            | 1       | 50        | 15.76   | 15.94   | 15.71   | 16      |
|           |            | 1       | 99        | 15.76   | 15.67   | 15.57   | 16      |
|           |            | 50      | 0         | 15.93   | 15.79   | 15.69   | 16      |
|           |            | 50      | 25        | 15.74   | 15.61   | 15.69   | 16      |
|           |            | 50      | 50        | 15.74   | 15.59   | 15.6    | 16      |
|           |            | 100     | 0         | 15.87   | 15.74   | 15.7    | 16      |
|           | 16QAM      | 1       | 0         | 15.91   | 15.89   | 15.86   | 16      |
|           |            | 1       | 50        | 15.92   | 15.94   | 15.55   | 16      |
|           |            | 1       | 99        | 15.97   | 15.97   | 15.87   | 16      |
|           |            | 50      | 0         | 15.69   | 15.69   | 15.62   | 16      |
|           |            | 50      | 25        | 15.65   | 15.61   | 15.57   | 16      |
|           |            | 50      | 50        | 15.62   | 15.59   | 15.48   | 16      |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  | 64QAM | 100 | 0  | 15.66 | 15.57 | 15.6  | 16 |
|  |       | 1   | 0  | 15.82 | 15.64 | 15.41 | 16 |
|  |       | 1   | 50 | 15.32 | 15.31 | 15.45 | 16 |
|  |       | 1   | 99 | 15.81 | 15.62 | 15.67 | 16 |
|  |       | 50  | 0  | 15.52 | 15.51 | 15.38 | 16 |
|  |       | 50  | 25 | 15.3  | 15.17 | 15.18 | 16 |
|  |       | 50  | 50 | 15.65 | 15.7  | 15.52 | 16 |
|  |       | 100 | 0  | 15.37 | 15.55 | 15.6  | 16 |

| LTE Band 4 Receiver off (body or limbs) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                                       | QPSK       | 1       | 0         | 19.29                | 19      | 19.11   | 19.5    |
|  |            | 1       | 2         | 19.42                | 18.86   | 18.62   | 19.5    |
|  |            | 1       | 5         | 19.34                | 19.31   | 19.2    | 19.5    |
|  |            | 3       | 0         | 19.19                | 18.99   | 18.96   | 19.5    |
|  |            | 3       | 2         | 19.3                 | 19.19   | 18.98   | 19.5    |
|  |            | 3       | 3         | 19.21                | 19.09   | 18.85   | 19.5    |
|  |            | 6       | 0         | 19.45                | 19.21   | 19.12   | 19.5    |
|  | 16QAM      | 1       | 0         | 19.36                | 19.34   | 19.32   | 19.5    |
|  |            | 1       | 2         | 19.31                | 19.23   | 19.38   | 19.5    |
|  |            | 1       | 5         | 19.42                | 19.3    | 19.2    | 19.5    |
|  |            | 3       | 0         | 19.39                | 19.21   | 18.84   | 19.5    |
|  |            | 3       | 2         | 18.31                | 19.37   | 19.2    | 19.5    |
|  |            | 3       | 3         | 19.45                | 19.08   | 19.14   | 19.5    |
|  |            | 6       | 0         | 19.34                | 19.13   | 19.15   | 19.5    |
|  | 64QAM      | 1       | 0         | 19.28                | 19.1    | 18.82   | 19.5    |
|  |            | 1       | 2         | 18.82                | 18.72   | 18.95   | 19.5    |
|  |            | 1       | 5         | 19.29                | 19.03   | 19.1    | 19.5    |
|  |            | 3       | 0         | 18.96                | 18.99   | 18.78   | 19.5    |
|  |            | 3       | 2         | 18.75                | 18.64   | 18.68   | 19.5    |
|  |            | 3       | 3         | 19.14                | 19.16   | 18.93   | 19.5    |
|  |            | 6       | 0         | 18.86                | 19.04   | 19.07   | 19.5    |
| Bandwidth                                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz   | QPSK       | 1       | 0         | 19.33                | 19.16   | 19.18   | 19.5    |
|  |            | 1       | 7         | 18.98                | 18.33   | 19.32   | 19.5    |
|  |            | 1       | 14        | 19.29                | 19.28   | 19.04   | 19.5    |
|  |            | 8       | 0         | 19.13                | 19.29   | 19.17   | 19.5    |
|  |            | 8       | 4         | 19.3                 | 19.48   | 19.06   | 19.5    |
|  |            | 8       | 7         | 19.28                | 19.12   | 19      | 19.5    |
|  |            | 15      | 0         | 19.38                | 19.27   | 19.1    | 19.5    |
|  | 16QAM      | 1       | 0         | 19.37                | 19.38   | 19.41   | 19.5    |
|  |            | 1       | 7         | 19.19                | 19.31   | 19.4    | 19.5    |
|  |            | 1       | 14        | 19.29                | 19.37   | 19.27   | 19.5    |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 0         | 19.24   | 19.15   | 19.07   | 19.5    |
|           |            | 8       | 4         | 19.29   | 19.32   | 19.08   | 19.5    |
|           |            | 8       | 7         | 19.17   | 19.12   | 19.27   | 19.5    |
|           |            | 15      | 0         | 19.22   | 19.12   | 19.16   | 19.5    |
|           | 64QAM      | 1       | 0         | 19.25   | 19.14   | 18.82   | 19.5    |
|           |            | 1       | 7         | 18.75   | 18.8    | 18.92   | 19.5    |
|           |            | 1       | 14        | 19.29   | 19.04   | 19.13   | 19.5    |
|           |            | 8       | 0         | 19      | 18.91   | 18.82   | 19.5    |
|           |            | 8       | 4         | 18.76   | 18.66   | 18.59   | 19.5    |
|           |            | 8       | 7         | 19.06   | 19.15   | 18.95   | 19.5    |
|           |            | 15      | 0         | 18.81   | 18.97   | 19.01   | 19.5    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.32   | 19.27   | 19.19   | 19.5    |
|           |            | 1       | 13        | 19.21   | 19.32   | 19.14   | 19.5    |
|           |            | 1       | 24        | 19.34   | 19.14   | 19.07   | 19.5    |
|           |            | 12      | 0         | 19.34   | 19.19   | 19.18   | 19.5    |
|           |            | 12      | 6         | 19.36   | 19.29   | 19.19   | 19.5    |
|           |            | 12      | 13        | 19.27   | 19.31   | 19.24   | 19.5    |
|           |            | 25      | 0         | 19.25   | 19.24   | 19.18   | 19.5    |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 19.36   | 19.44   | 19.42   | 19.5    |
|           |            | 1       | 13        | 19.39   | 19.38   | 18.84   | 19.5    |
|           |            | 1       | 24        | 19.37   | 19.33   | 19.39   | 19.5    |
|           |            | 12      | 0         | 19.3    | 19.31   | 19.23   | 19.5    |
|           |            | 12      | 6         | 19.3    | 19.15   | 19.22   | 19.5    |
|           |            | 12      | 13        | 19.19   | 19.13   | 19.14   | 19.5    |
|           |            | 25      | 0         | 19.27   | 19.07   | 18.96   | 19.5    |
|           |            |         |           |         |         |         |         |
|           | 64QAM      | 1       | 0         | 19.27   | 19.09   | 18.91   | 19.5    |
|           |            | 1       | 13        | 18.8    | 18.72   | 18.93   | 19.5    |
|           |            | 1       | 24        | 19.25   | 19.05   | 19.08   | 19.5    |
|           |            | 12      | 0         | 18.92   | 19      | 18.78   | 19.5    |
|           |            | 12      | 6         | 18.8    | 18.62   | 18.66   | 19.5    |
|           |            | 12      | 13        | 19.1    | 19.12   | 19      | 19.5    |
|           |            | 25      | 0         | 18.83   | 19.05   | 19.06   | 19.5    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.43   | 19.31   | 19.13   | 19.5    |
|           |            | 1       | 25        | 19.47   | 18.71   | 19.07   | 19.5    |
|           |            | 1       | 49        | 19.24   | 19.11   | 19.18   | 19.5    |
|           |            | 25      | 0         | 19.29   | 19.19   | 19.21   | 19.5    |
|           |            | 25      | 13        | 19.36   | 19.23   | 19.18   | 19.5    |
|           |            | 25      | 25        | 19.23   | 19.25   | 19.15   | 19.5    |
|           |            | 50      | 0         | 19.26   | 19.16   | 19.17   | 19.5    |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 19.14   | 19.39   | 19.35   | 19.5    |
|           |            | 1       | 25        | 19.46   | 19.35   | 18.39   | 19.5    |
|           |            | 1       | 49        | 19.33   | 19.34   | 19.15   | 19.5    |
|           |            |         |           |         |         |         |         |
|           |            | 25      | 0         | 19.29   | 19.09   | 19.09   | 19.5    |
|           |            |         |           |         |         |         |         |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 13        | 19.29   | 19.07   | 18.98   | 19.5    |
|           |            | 25      | 25        | 19.14   | 19.02   | 19.19   | 19.5    |
|           |            | 50      | 0         | 19.17   | 19.19   | 18.97   | 19.5    |
|           | 64QAM      | 1       | 0         | 19.29   | 19.12   | 18.83   | 19.5    |
|           |            | 1       | 25        | 18.73   | 18.72   | 18.91   | 19.5    |
|           |            | 1       | 49        | 19.22   | 19.05   | 19.1    | 19.5    |
|           |            | 25      | 0         | 18.99   | 18.95   | 18.87   | 19.5    |
|           |            | 25      | 13        | 18.72   | 18.61   | 18.67   | 19.5    |
|           |            | 25      | 25        | 19.06   | 19.11   | 18.92   | 19.5    |
|           |            | 50      | 0         | 18.83   | 19.02   | 19      | 19.5    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 19.35   | 19.28   | 19.16   | 19.5    |
|           |            | 1       | 38        | 19.36   | 19.28   | 18.93   | 19.5    |
|           |            | 1       | 74        | 19.18   | 19.15   | 19.08   | 19.5    |
|           |            | 36      | 0         | 19.34   | 19.33   | 19.2    | 19.5    |
|           |            | 36      | 18        | 19.28   | 19.22   | 19.24   | 19.5    |
|           |            | 36      | 39        | 19.29   | 19.18   | 19.22   | 19.5    |
|           |            | 75      | 0         | 19.26   | 19.24   | 19.15   | 19.5    |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 19.33   | 19.34   | 19.31   | 19.5    |
|           |            | 1       | 38        | 19.38   | 19.24   | 19.24   | 19.5    |
|           |            | 1       | 74        | 19.36   | 19.45   | 19.37   | 19.5    |
|           |            | 36      | 0         | 19.16   | 19.13   | 19.06   | 19.5    |
|           |            | 36      | 18        | 19.16   | 19.08   | 19.14   | 19.5    |
|           |            | 36      | 39        | 19.12   | 19.14   | 19.06   | 19.5    |
|           |            | 75      | 0         | 19.22   | 19.06   | 19.09   | 19.5    |
|           |            |         |           |         |         |         |         |
|           | 64QAM      | 1       | 0         | 19.26   | 19.1    | 18.9    | 19.5    |
|           |            | 1       | 38        | 18.78   | 18.78   | 18.87   | 19.5    |
|           |            | 1       | 74        | 19.23   | 19.07   | 19.1    | 19.5    |
|           |            | 36      | 0         | 18.93   | 18.91   | 18.86   | 19.5    |
|           |            | 36      | 18        | 18.74   | 18.63   | 18.62   | 19.5    |
|           |            | 36      | 39        | 19.08   | 19.18   | 19.01   | 19.5    |
|           |            | 75      | 0         | 18.77   | 18.96   | 19.05   | 19.5    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 19.46   | 19.44   | 19.34   | 19.5    |
|           |            | 1       | 50        | 18.66   | 18.5    | 18.87   | 19.5    |
|           |            | 1       | 99        | 19.32   | 19.18   | 19.24   | 19.5    |
|           |            | 50      | 0         | 19.38   | 19.28   | 19.2    | 19.5    |
|           |            | 50      | 25        | 19.2    | 19.13   | 19.21   | 19.5    |
|           |            | 50      | 50        | 19.2    | 19.25   | 19.13   | 19.5    |
|           |            | 100     | 0         | 19.28   | 19.11   | 19.22   | 19.5    |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 19.39   | 19.36   | 19.35   | 19.5    |
|           |            | 1       | 50        | 19.1    | 18.82   | 19.39   | 19.5    |
|           |            | 1       | 99        | 19.32   | 19.46   | 19.33   | 19.5    |
|           |            | 50      | 0         | 19.23   | 19.27   | 19.18   | 19.5    |
|           |            | 50      | 25        | 19.18   | 19.1    | 19.05   | 19.5    |
|           |            |         |           |         |         |         |         |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 50  | 50 | 19.16 | 19.11 | 19.09 | 19.5 |
|  |       | 100 | 0  | 19.23 | 19.1  | 19.14 | 19.5 |
|  | 64QAM | 1   | 0  | 19.3  | 19.12 | 18.85 | 19.5 |
|  |       | 1   | 50 | 18.78 | 18.77 | 18.9  | 19.5 |
|  |       | 1   | 99 | 19.21 | 19.04 | 19.07 | 19.5 |
|  |       | 50  | 0  | 18.98 | 18.97 | 18.81 | 19.5 |
|  |       | 50  | 25 | 18.74 | 18.67 | 18.6  | 19.5 |
|  |       | 50  | 50 | 19.06 | 19.14 | 18.93 | 19.5 |
|  |       | 100 | 0  | 18.84 | 19    | 19.07 | 19.5 |

| LTE Band 4 Receiver on(Left head) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel 19957        | Channel 20175 | Channel 20393 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 17.36                | 17.18         | 17.14         | 17.5    |
|   |            | 1       | 2         | 15.83                | 16.82         | 16.39         | 17.5    |
|   |            | 1       | 5         | 17.25                | 17.25         | 17.11         | 17.5    |
|   |            | 3       | 0         | 16.92                | 16.82         | 17.03         | 17.5    |
|   |            | 3       | 2         | 17.38                | 16.57         | 17.16         | 17.5    |
|   |            | 3       | 3         | 17.2                 | 17.23         | 17.09         | 17.5    |
|   |            | 6       | 0         | 16.82                | 17.37         | 17.14         | 17.5    |
|   | 16QAM      | 1       | 0         | 17.44                | 17.39         | 17.35         | 17.5    |
|   |            | 1       | 2         | 17.27                | 17.16         | 16.89         | 17.5    |
|   |            | 1       | 5         | 17.31                | 17.46         | 17.04         | 17.5    |
|   |            | 3       | 0         | 17.41                | 17.39         | 17.07         | 17.5    |
|   |            | 3       | 2         | 17.31                | 17.37         | 17.48         | 17.5    |
|   |            | 3       | 3         | 17.28                | 17.24         | 17.23         | 17.5    |
|   |            | 6       | 0         | 16.69                | 16.98         | 17.01         | 17.5    |
|   | 64QAM      | 1       | 0         | 17.34                | 17.19         | 16.93         | 17.5    |
|   |            | 1       | 2         | 16.87                | 16.85         | 16.96         | 17.5    |
|   |            | 1       | 5         | 17.26                | 17.11         | 17.14         | 17.5    |
|   |            | 3       | 0         | 17.04                | 17.05         | 16.9          | 17.5    |
|   |            | 3       | 2         | 16.8                 | 16.73         | 16.69         | 17.5    |
|   |            | 3       | 3         | 17.12                | 17.22         | 17.02         | 17.5    |
|   |            | 6       | 0         | 16.89                | 17.06         | 17.07         | 17.5    |
| Bandwidth   | Modulation | RB size | RB offset | Channel 19965        | Channel 20175 | Channel 20385 | Tune up |
| 3MHz  | QPSK       | 1       | 0         | 17.44                | 17.2          | 17.19         | 17.5    |
|   |            | 1       | 7         | 16.46                | 16.46         | 17.47         | 17.5    |
|   |            | 1       | 14        | 17.34                | 17.2          | 17.14         | 17.5    |
|   |            | 8       | 0         | 17.27                | 17.22         | 17.25         | 17.5    |
|   |            | 8       | 4         | 17.05                | 17.05         | 16.73         | 17.5    |
|   |            | 8       | 7         | 17.21                | 17.35         | 17.09         | 17.5    |
|   |            | 15      | 0         | 17.24                | 17.23         | 17.11         | 17.5    |
|   | 16QAM      | 1       | 0         | 17.44                | 17.39         | 17.47         | 17.5    |
|   |            | 1       | 7         | 17.01                | 16.6          | 16.09         | 17.5    |

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|           |            | 1       | 14        | 17.44         | 17.41         | 17.43         | 17.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 8       | 0         | 17.27         | 17.08         | 17.16         | 17.5    |
|           |            | 8       | 4         | 17.28         | 17.31         | 17.3          | 17.5    |
|           |            | 8       | 7         | 17.23         | 17.24         | 16.79         | 17.5    |
|           |            | 15      | 0         | 17.37         | 17.19         | 17.01         | 17.5    |
|           | 64QAM      | 1       | 0         | 17.39         | 17.14         | 16.86         | 17.5    |
|           |            | 1       | 7         | 16.8          | 16.85         | 16.95         | 17.5    |
|           |            | 1       | 14        | 17.29         | 17.06         | 17.15         | 17.5    |
|           |            | 8       | 0         | 17.07         | 17.01         | 16.88         | 17.5    |
|           |            | 8       | 4         | 16.82         | 16.75         | 16.69         | 17.5    |
|           |            | 8       | 7         | 17.11         | 17.23         | 17.01         | 17.5    |
|           |            | 15      | 0         | 16.93         | 17.01         | 17.11         | 17.5    |
|           |            |         |           |               |               |               |         |
|           |            |         |           |               |               |               |         |
|           |            |         |           |               |               |               |         |
|           |            |         |           |               |               |               |         |
|           |            |         |           |               |               |               |         |
|           |            |         |           |               |               |               |         |
|           |            |         |           |               |               |               |         |
| Bandwidth | Modulation | RB size | RB offset | Channel 19975 | Channel 20175 | Channel 20375 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 17.45         | 17.17         | 17.16         | 17.5    |
|           |            | 1       | 13        | 17.16         | 17.12         | 17.05         | 17.5    |
|           |            | 1       | 24        | 17.19         | 17.29         | 17.14         | 17.5    |
|           |            | 12      | 0         | 17.29         | 17.19         | 17.18         | 17.5    |
|           |            | 12      | 6         | 17.33         | 17.31         | 17.16         | 17.5    |
|           |            | 12      | 13        | 17.29         | 17.32         | 17.2          | 17.5    |
|           |            | 25      | 0         | 17.32         | 17.37         | 17.16         | 17.5    |
|           | 16QAM      | 1       | 0         | 17.38         | 17.3          | 17.25         | 17.5    |
|           |            | 1       | 13        | 17.36         | 17.37         | 17.36         | 17.5    |
|           |            | 1       | 24        | 17.31         | 17.29         | 17.32         | 17.5    |
|           |            | 12      | 0         | 17.44         | 17.3          | 17.17         | 17.5    |
|           |            | 12      | 6         | 17.35         | 17.16         | 17.12         | 17.5    |
|           |            | 12      | 13        | 17.35         | 17.29         | 17.11         | 17.5    |
|           |            | 25      | 0         | 17.23         | 17.21         | 17.09         | 17.5    |
|           | 64QAM      | 1       | 0         | 17.36         | 17.19         | 16.9          | 17.5    |
|           |            | 1       | 13        | 16.81         | 16.84         | 16.95         | 17.5    |
|           |            | 1       | 24        | 17.23         | 17.06         | 17.17         | 17.5    |
|           |            | 12      | 0         | 17.02         | 17.03         | 16.88         | 17.5    |
|           |            | 12      | 6         | 16.8          | 16.74         | 16.65         | 17.5    |
|           |            | 12      | 13        | 17.1          | 17.18         | 16.99         | 17.5    |
|           |            | 25      | 0         | 16.89         | 17.04         | 17.1          | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20000 | Channel 20175 | Channel 20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 17.33         | 17.26         | 17.18         | 17.5    |
|           |            | 1       | 25        | 17.04         | 16.91         | 17.12         | 17.5    |
|           |            | 1       | 49        | 17.21         | 17.19         | 16.96         | 17.5    |
|           |            | 25      | 0         | 17.28         | 17.18         | 17.12         | 17.5    |
|           |            | 25      | 13        | 17.22         | 17.2          | 17.17         | 17.5    |
|           |            | 25      | 25        | 17.18         | 17.17         | 17.11         | 17.5    |
|           |            | 50      | 0         | 17.28         | 17.17         | 17.17         | 17.5    |
|           | 16QAM      | 1       | 0         | 17.36         | 17.39         | 17.31         | 17.5    |
|           |            | 1       | 25        | 17.33         | 17.01         | 17.08         | 17.5    |
|           |            | 1       | 49        | 17.49         | 16.44         | 17.3          | 17.5    |

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|           |            | 25      | 0         | 17.21   | 17.17   | 17.12   | 17.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 13        | 17.08   | 17.2    | 17.16   | 17.5    |
|           |            | 25      | 25        | 17.2    | 17.16   | 17.23   | 17.5    |
|           |            | 50      | 0         | 17.36   | 17.12   | 17.1    | 17.5    |
|           | 64QAM      | 1       | 0         | 17.33   | 17.2    | 16.89   | 17.5    |
|           |            | 1       | 25        | 16.85   | 16.78   | 16.91   | 17.5    |
|           |            | 1       | 49        | 17.3    | 17.05   | 17.14   | 17.5    |
|           |            | 25      | 0         | 17      | 16.99   | 16.91   | 17.5    |
|           |            | 25      | 13        | 16.75   | 16.76   | 16.61   | 17.5    |
|           |            | 25      | 25        | 17.14   | 17.22   | 16.98   | 17.5    |
|           |            | 50      | 0         | 16.92   | 17.06   | 17.15   | 17.5    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.33   | 17.34   | 17.02   | 17.5    |
|           |            | 1       | 38        | 17.46   | 17.37   | 17.29   | 17.5    |
|           |            | 1       | 74        | 17.19   | 17.07   | 17.08   | 17.5    |
|           |            | 36      | 0         | 17.28   | 17.22   | 17.14   | 17.5    |
|           |            | 36      | 18        | 17.3    | 17.25   | 17.28   | 17.5    |
|           |            | 36      | 39        | 17.23   | 17.23   | 17.09   | 17.5    |
|           |            | 75      | 0         | 17.29   | 17.27   | 17.16   | 17.5    |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 17.29   | 17.13   | 17.33   | 17.5    |
|           |            | 1       | 38        | 17.31   | 17.33   | 17.35   | 17.5    |
|           |            | 1       | 74        | 17.23   | 17.26   | 17.29   | 17.5    |
|           |            | 36      | 0         | 17.36   | 17.19   | 17.15   | 17.5    |
|           |            | 36      | 18        | 17.14   | 17.2    | 17.18   | 17.5    |
|           |            | 36      | 39        | 17.31   | 17.17   | 17.04   | 17.5    |
|           |            | 75      | 0         | 17.22   | 17.21   | 17.1    | 17.5    |
|           |            |         |           |         |         |         |         |
|           | 64QAM      | 1       | 0         | 17.4    | 17.17   | 16.94   | 17.5    |
|           |            | 1       | 38        | 16.81   | 16.83   | 16.9    | 17.5    |
|           |            | 1       | 74        | 17.3    | 17.11   | 17.17   | 17.5    |
|           |            | 36      | 0         | 17.07   | 16.98   | 16.86   | 17.5    |
|           |            | 36      | 18        | 16.75   | 16.71   | 16.69   | 17.5    |
|           |            | 36      | 39        | 17.09   | 17.16   | 16.97   | 17.5    |
|           |            | 75      | 0         | 16.88   | 17.03   | 17.15   | 17.5    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.35   | 17.47   | 17.23   | 17.5    |
|           |            | 1       | 50        | 16.66   | 16.78   | 16.37   | 17.5    |
|           |            | 1       | 99        | 17.33   | 17.14   | 17.09   | 17.5    |
|           |            | 50      | 0         | 17.36   | 17.24   | 17.25   | 17.5    |
|           |            | 50      | 25        | 17.3    | 17.19   | 17.13   | 17.5    |
|           |            | 50      | 50        | 17.22   | 17.2    | 17.2    | 17.5    |
|           |            | 100     | 0         | 17.32   | 17.28   | 17.27   | 17.5    |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 17.39   | 17.37   | 17.32   | 17.5    |
|           |            | 1       | 50        | 17.24   | 17.27   | 17.22   | 17.5    |
|           |            | 1       | 99        | 17.28   | 17.33   | 17.23   | 17.5    |
|           |            |         |           |         |         |         |         |
|           |            | 50      | 0         | 17.24   | 17.14   | 17.19   | 17.5    |
|           |            |         |           |         |         |         |         |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 50  | 25 | 17.26 | 17.19 | 17.11 | 17.5 |
|  |       | 50  | 50 | 17.14 | 17.09 | 17.03 | 17.5 |
|  |       | 100 | 0  | 17.24 | 17.13 | 17.1  | 17.5 |
|  | 64QAM | 1   | 0  | 17.31 | 17.18 | 16.95 | 17.5 |
|  |       | 1   | 50 | 16.85 | 16.86 | 17    | 17.5 |
|  |       | 1   | 99 | 17.29 | 17.14 | 17.16 | 17.5 |
|  |       | 50  | 0  | 17.03 | 17.03 | 16.85 | 17.5 |
|  |       | 50  | 25 | 16.75 | 16.69 | 16.69 | 17.5 |
|  |       | 50  | 50 | 17.1  | 17.2  | 16.94 | 17.5 |
|  |       | 100 | 0  | 16.86 | 17.03 | 17.09 | 17.5 |

| LTE Band 4 Receiver on(Right head) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 14.91                | 14.77   | 14.45   | 15      |
|  |            | 1       | 2         | 13.89                | 14.66   | 13.88   | 15      |
|  |            | 1       | 5         | 14.84                | 14.74   | 14.62   | 15      |
|  |            | 3       | 0         | 14.65                | 14.86   | 14.47   | 15      |
|  |            | 3       | 2         | 13.94                | 14.48   | 14.12   | 15      |
|  |            | 3       | 3         | 14.97                | 14.64   | 14.66   | 15      |
|  |            | 6       | 0         | 14.35                | 14.49   | 14.16   | 15      |
|  | 16QAM      | 1       | 0         | 14.89                | 14.87   | 14.92   | 15      |
|  |            | 1       | 2         | 14.96                | 13.83   | 14.92   | 15      |
|  |            | 1       | 5         | 14.54                | 14.49   | 14.73   | 15      |
|  |            | 3       | 0         | 14.52                | 14.66   | 14.46   | 15      |
|  |            | 3       | 2         | 14.85                | 14.62   | 14.39   | 15      |
|  |            | 3       | 3         | 14.59                | 14.58   | 14.21   | 15      |
|  |            | 6       | 0         | 14.41                | 14.93   | 14.55   | 15      |
|  | 64QAM      | 1       | 0         | 14.8                 | 14.6    | 14.42   | 15      |
|  |            | 1       | 2         | 14.34                | 14.31   | 14.47   | 15      |
|  |            | 1       | 5         | 14.71                | 14.58   | 14.61   | 15      |
|  |            | 3       | 0         | 14.52                | 14.46   | 14.34   | 15      |
|  |            | 3       | 2         | 14.23                | 14.12   | 14.17   | 15      |
|  |            | 3       | 3         | 14.54                | 14.67   | 14.43   | 15      |
|  |            | 6       | 0         | 14.35                | 14.46   | 14.55   | 15      |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz   | QPSK       | 1       | 0         | 14.93                | 14.73   | 14.63   | 15      |
|  |            | 1       | 7         | 13.37                | 14.29   | 14.16   | 15      |
|  |            | 1       | 14        | 14.76                | 14.82   | 14.54   | 15      |
|  |            | 8       | 0         | 14.81                | 14.76   | 14.68   | 15      |
|  |            | 8       | 4         | 14.73                | 14.6    | 14.64   | 15      |
|  |            | 8       | 7         | 14.65                | 14.78   | 14.53   | 15      |
|  |            | 15      | 0         | 14.76                | 14.86   | 14.62   | 15      |
|  | 16QAM      | 1       | 0         | 14.95                | 14.93   | 14.97   | 15      |

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|           |            | 1       | 7         | 14.58   | 14.81   | 13.79   | 15      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 14        | 14.88   | 14.87   | 14.93   | 15      |
|           |            | 8       | 0         | 14.58   | 14.76   | 14.69   | 15      |
|           |            | 8       | 4         | 14.5    | 14.74   | 14.51   | 15      |
|           |            | 8       | 7         | 14.73   | 14.42   | 14.5    | 15      |
|           |            | 15      | 0         | 14.72   | 14.6    | 14.77   | 15      |
|           | 64QAM      | 1       | 0         | 14.79   | 14.67   | 14.4    | 15      |
|           |            | 1       | 7         | 14.3    | 14.33   | 14.45   | 15      |
|           |            | 1       | 14        | 14.72   | 14.62   | 14.64   | 15      |
|           |            | 8       | 0         | 14.47   | 14.46   | 14.29   | 15      |
|           |            | 8       | 4         | 14.2    | 14.12   | 14.17   | 15      |
|           |            | 8       | 7         | 14.56   | 14.69   | 14.41   | 15      |
|           |            | 15      | 0         | 14.31   | 14.48   | 14.52   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 14.94   | 14.57   | 14.62   | 15      |
|           |            | 1       | 13        | 14.87   | 14.72   | 14.53   | 15      |
|           |            | 1       | 24        | 14.66   | 14.74   | 14.52   | 15      |
|           |            | 12      | 0         | 14.81   | 14.72   | 14.61   | 15      |
|           |            | 12      | 6         | 14.8    | 14.69   | 14.7    | 15      |
|           |            | 12      | 13        | 14.73   | 14.74   | 14.68   | 15      |
|           |            | 25      | 0         | 14.66   | 14.7    | 14.6    | 15      |
|           | 16QAM      | 1       | 0         | 14.83   | 14.85   | 14.99   | 15      |
|           |            | 1       | 13        | 14.78   | 14.5    | 14.85   | 15      |
|           |            | 1       | 24        | 14.74   | 14.69   | 14.63   | 15      |
|           |            | 12      | 0         | 14.7    | 14.84   | 14.54   | 15      |
|           |            | 12      | 6         | 14.66   | 14.55   | 14.58   | 15      |
|           |            | 12      | 13        | 14.71   | 14.74   | 14.56   | 15      |
|           |            | 25      | 0         | 14.74   | 14.6    | 14.46   | 15      |
|           | 64QAM      | 1       | 0         | 14.8    | 14.66   | 14.44   | 15      |
|           |            | 1       | 13        | 14.31   | 14.35   | 14.49   | 15      |
|           |            | 1       | 24        | 14.77   | 14.59   | 14.63   | 15      |
|           |            | 12      | 0         | 14.52   | 14.48   | 14.33   | 15      |
|           |            | 12      | 6         | 14.19   | 14.17   | 14.16   | 15      |
|           |            | 12      | 13        | 14.59   | 14.7    | 14.36   | 15      |
|           |            | 25      | 0         | 14.35   | 14.5    | 14.53   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 14.92   | 14.66   | 14.72   | 15      |
|           |            | 1       | 25        | 14.03   | 14.2    | 14.58   | 15      |
|           |            | 1       | 49        | 14.87   | 14.51   | 14.52   | 15      |
|           |            | 25      | 0         | 14.81   | 14.7    | 14.67   | 15      |
|           |            | 25      | 13        | 14.8    | 14.66   | 14.61   | 15      |
|           |            | 25      | 25        | 14.77   | 14.72   | 14.72   | 15      |
|           |            | 50      | 0         | 14.84   | 14.7    | 14.6    | 15      |
|           | 16QAM      | 1       | 0         | 14.92   | 14.96   | 14.94   | 15      |
|           |            | 1       | 25        | 14.64   | 13.92   | 14.83   | 15      |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 1              | 49               | 14.87                | 14.89                | 14.85                | 15             |
|                  |                   | 25             | 0                | 14.77                | 14.65                | 14.54                | 15             |
|                  |                   | 25             | 13               | 14.65                | 14.7                 | 14.58                | 15             |
|                  |                   | 25             | 25               | 14.72                | 14.61                | 14.55                | 15             |
|                  |                   | 50             | 0                | 14.69                | 14.56                | 14.59                | 15             |
|                  | 64QAM             | 1              | 0                | 14.77                | 14.65                | 14.42                | 15             |
|                  |                   | 1              | 25               | 14.29                | 14.29                | 14.49                | 15             |
|                  |                   | 1              | 49               | 14.73                | 14.64                | 14.65                | 15             |
|                  |                   | 25             | 0                | 14.49                | 14.48                | 14.34                | 15             |
|                  |                   | 25             | 13               | 14.23                | 14.11                | 14.13                | 15             |
|                  |                   | 25             | 25               | 14.58                | 14.68                | 14.41                | 15             |
|                  |                   | 50             | 0                | 14.35                | 14.47                | 14.55                | 15             |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 20025</b> | <b>Channel 20175</b> | <b>Channel 20325</b> | <b>Tune up</b> |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 14.83                | 14.72                | 14.6                 | 15             |
|                  |                   | 1              | 38               | 14.94                | 14.81                | 14.74                | 15             |
|                  |                   | 1              | 74               | 14.66                | 14.64                | 14.5                 | 15             |
|                  |                   | 36             | 0                | 14.85                | 14.78                | 14.73                | 15             |
|                  |                   | 36             | 18               | 14.84                | 14.68                | 14.77                | 15             |
|                  |                   | 36             | 39               | 14.69                | 14.65                | 14.59                | 15             |
|                  |                   | 75             | 0                | 14.69                | 14.68                | 14.64                | 15             |
|                  | 16QAM             | 1              | 0                | 14.93                | 14.89                | 14.91                | 15             |
|                  |                   | 1              | 38               | 14.86                | 14.84                | 14.9                 | 15             |
|                  |                   | 1              | 74               | 14.84                | 14.78                | 14.64                | 15             |
|                  |                   | 36             | 0                | 14.71                | 14.73                | 14.48                | 15             |
|                  |                   | 36             | 18               | 14.73                | 14.63                | 14.63                | 15             |
|                  |                   | 36             | 39               | 14.64                | 14.71                | 14.58                | 15             |
|                  |                   | 75             | 0                | 14.64                | 14.46                | 14.61                | 15             |
|                  | 64QAM             | 1              | 0                | 14.79                | 14.61                | 14.43                | 15             |
|                  |                   | 1              | 38               | 14.31                | 14.34                | 14.43                | 15             |
|                  |                   | 1              | 74               | 14.79                | 14.61                | 14.61                | 15             |
|                  |                   | 36             | 0                | 14.52                | 14.5                 | 14.28                | 15             |
|                  |                   | 36             | 18               | 14.2                 | 14.12                | 14.15                | 15             |
|                  |                   | 36             | 39               | 14.56                | 14.66                | 14.4                 | 15             |
|                  |                   | 75             | 0                | 14.34                | 14.49                | 14.56                | 15             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 20050</b> | <b>Channel 20175</b> | <b>Channel 20300</b> | <b>Tune up</b> |
| <b>20MHz</b>     | QPSK              | 1              | 0                | 14.97                | 14.97                | 14.82                | 15             |
|                  |                   | 1              | 50               | 14.32                | 14.54                | 14.98                | 15             |
|                  |                   | 1              | 99               | 14.68                | 14.64                | 14.68                | 15             |
|                  |                   | 50             | 0                | 14.81                | 14.75                | 14.62                | 15             |
|                  |                   | 50             | 25               | 14.77                | 14.63                | 14.61                | 15             |
|                  |                   | 50             | 50               | 14.76                | 14.6                 | 14.67                | 15             |
|                  |                   | 100            | 0                | 14.71                | 14.74                | 14.63                | 15             |
|                  | 16QAM             | 1              | 0                | 14.93                | 14.91                | 14.89                | 15             |
|                  |                   | 1              | 50               | 14.94                | 14.98                | 14.88                | 15             |
|                  |                   | 1              | 99               | 14.88                | 14.92                | 14.9                 | 15             |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  |       | 50  | 0  | 14.76 | 14.73 | 14.65 | 15 |
|  |       | 50  | 25 | 14.59 | 14.65 | 14.63 | 15 |
|  |       | 50  | 50 | 14.57 | 14.56 | 14.51 | 15 |
|  |       | 100 | 0  | 14.7  | 14.54 | 14.55 | 15 |
|  | 64QAM | 1   | 0  | 14.78 | 14.66 | 14.37 | 15 |
|  |       | 1   | 50 | 14.31 | 14.35 | 14.48 | 15 |
|  |       | 1   | 99 | 14.76 | 14.63 | 14.65 | 15 |
|  |       | 50  | 0  | 14.49 | 14.5  | 14.3  | 15 |
|  |       | 50  | 25 | 14.22 | 14.18 | 14.15 | 15 |
|  |       | 50  | 50 | 14.57 | 14.63 | 14.39 | 15 |
|  |       | 100 | 0  | 14.33 | 14.52 | 14.57 | 15 |

| LTE Band 4 Receiver off (body or limbs) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 18.45                | 18.33   | 18.19   | 18.5    |
|   |            | 1       | 2         | 17.93                | 17.77   | 17.48   | 18.5    |
|   |            | 1       | 5         | 18.39                | 18.34   | 18.17   | 18.5    |
|   |            | 3       | 0         | 18.08                | 18.16   | 18.02   | 18.5    |
|   |            | 3       | 2         | 17.76                | 18.28   | 18.16   | 18.5    |
|   |            | 3       | 3         | 18.26                | 17.54   | 18.09   | 18.5    |
|   |            | 6       | 0         | 18.25                | 18.14   | 18.23   | 18.5    |
|   |            | 6       | 0         | 18.25                | 18.14   | 18.23   | 18.5    |
|   | 16QAM      | 1       | 0         | 18.35                | 18.46   | 18.33   | 18.5    |
|   |            | 1       | 2         | 18.37                | 18.12   | 18.48   | 18.5    |
|   |            | 1       | 5         | 18.36                | 17.78   | 18.47   | 18.5    |
|   |            | 3       | 0         | 18.3                 | 18.32   | 18.12   | 18.5    |
|   |            | 3       | 2         | 17.77                | 18.02   | 17.35   | 18.5    |
|   |            | 3       | 3         | 18.22                | 18.22   | 18.06   | 18.5    |
|   |            | 6       | 0         | 18.28                | 18.22   | 18.02   | 18.5    |
|   |            | 6       | 0         | 18.28                | 18.22   | 18.02   | 18.5    |
|   | 64QAM      | 1       | 0         | 18.32                | 18.16   | 18.02   | 18.5    |
|   |            | 1       | 2         | 17.92                | 17.85   | 18      | 18.5    |
|   |            | 1       | 5         | 18.28                | 18.13   | 18.13   | 18.5    |
|   |            | 3       | 0         | 18.06                | 18.02   | 17.9    | 18.5    |
|   |            | 3       | 2         | 17.77                | 17.71   | 17.71   | 18.5    |
|   |            | 3       | 3         | 18.07                | 18.19   | 17.97   | 18.5    |
|   |            | 6       | 0         | 17.86                | 18.03   | 18.08   | 18.5    |
|   |            | 6       | 0         | 17.86                | 18.03   | 18.08   | 18.5    |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz  | QPSK       | 1       | 0         | 18.27                | 18.09   | 18.07   | 18.5    |
|   |            | 1       | 7         | 17.63                | 17.5    | 18.27   | 18.5    |
|   |            | 1       | 14        | 18.23                | 18.15   | 18.07   | 18.5    |
|   |            | 8       | 0         | 18.31                | 18.13   | 18.25   | 18.5    |
|   |            | 8       | 4         | 17.86                | 17.96   | 18.09   | 18.5    |
|   |            | 8       | 7         | 18.27                | 18.29   | 18.41   | 18.5    |
|   |            | 15      | 0         | 18.35                | 18.18   | 18.12   | 18.5    |
|   |            | 15      | 0         | 18.35                | 18.18   | 18.12   | 18.5    |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  | 16QAM             | 1              | 0                | 18.37                | 18.33                | 18.39                | 18.5           |
|                  |                   | 1              | 7                | 18.17                | 17.72                | 18.34                | 18.5           |
|                  |                   | 1              | 14               | 18.34                | 18.3                 | 18.14                | 18.5           |
|                  |                   | 8              | 0                | 18.29                | 18.14                | 17.8                 | 18.5           |
|                  |                   | 8              | 4                | 18.17                | 18.26                | 17.94                | 18.5           |
|                  |                   | 8              | 7                | 18.21                | 18.06                | 18.19                | 18.5           |
|                  |                   | 15             | 0                | 18.3                 | 18.2                 | 17.95                | 18.5           |
|                  | 64QAM             | 1              | 0                | 18.32                | 18.16                | 18.02                | 18.5           |
|                  |                   | 1              | 7                | 17.92                | 17.85                | 18                   | 18.5           |
|                  |                   | 1              | 14               | 18.28                | 18.13                | 18.13                | 18.5           |
|                  |                   | 8              | 0                | 18.06                | 18.02                | 17.9                 | 18.5           |
|                  |                   | 8              | 4                | 17.77                | 17.71                | 17.71                | 18.5           |
|                  |                   | 8              | 7                | 18.07                | 18.19                | 17.97                | 18.5           |
|                  |                   | 15             | 0                | 17.86                | 18.03                | 18.08                | 18.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 19975</b> | <b>Channel 20175</b> | <b>Channel 20375</b> | <b>Tune up</b> |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 18.23                | 18.21                | 18.04                | 18.5           |
|                  |                   | 1              | 13               | 18.39                | 18.39                | 18.11                | 18.5           |
|                  |                   | 1              | 24               | 18.13                | 18.13                | 18.04                | 18.5           |
|                  |                   | 12             | 0                | 18.36                | 18.32                | 18.18                | 18.5           |
|                  |                   | 12             | 6                | 18.33                | 18.16                | 18.12                | 18.5           |
|                  |                   | 12             | 13               | 18.25                | 18.32                | 18.1                 | 18.5           |
|                  |                   | 25             | 0                | 18.27                | 18.23                | 18.12                | 18.5           |
|                  | 16QAM             | 1              | 0                | 18.35                | 18.37                | 18.31                | 18.5           |
|                  |                   | 1              | 13               | 18.29                | 18.32                | 18.17                | 18.5           |
|                  |                   | 1              | 24               | 18.32                | 18.3                 | 18.15                | 18.5           |
|                  |                   | 12             | 0                | 18.4                 | 18.25                | 18.23                | 18.5           |
|                  |                   | 12             | 6                | 18.19                | 18.2                 | 18.23                | 18.5           |
|                  |                   | 12             | 13               | 18.2                 | 18.2                 | 18.14                | 18.5           |
|                  |                   | 25             | 0                | 18.29                | 18.22                | 18.02                | 18.5           |
|                  | 64QAM             | 1              | 0                | 18.32                | 18.16                | 18.02                | 18.5           |
|                  |                   | 1              | 13               | 17.92                | 17.85                | 18                   | 18.5           |
|                  |                   | 1              | 24               | 18.28                | 18.13                | 18.13                | 18.5           |
|                  |                   | 12             | 0                | 18.06                | 18.02                | 17.9                 | 18.5           |
|                  |                   | 12             | 6                | 17.77                | 17.71                | 17.71                | 18.5           |
|                  |                   | 12             | 13               | 18.07                | 18.19                | 17.97                | 18.5           |
|                  |                   | 25             | 0                | 17.86                | 18.03                | 18.08                | 18.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 20000</b> | <b>Channel 20175</b> | <b>Channel 20350</b> | <b>Tune up</b> |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 18.25                | 18.33                | 18.35                | 18.5           |
|                  |                   | 1              | 25               | 18.17                | 18.16                | 18.21                | 18.5           |
|                  |                   | 1              | 49               | 18.14                | 18.11                | 18.04                | 18.5           |
|                  |                   | 25             | 0                | 18.35                | 18.21                | 18.25                | 18.5           |
|                  |                   | 25             | 13               | 18.21                | 18.25                | 18.24                | 18.5           |
|                  |                   | 25             | 25               | 18.21                | 18.26                | 18.16                | 18.5           |
|                  |                   | 50             | 0                | 18.22                | 18.3                 | 18.12                | 18.5           |
|                  | 16QAM             | 1              | 0                | 18.2                 | 18.36                | 18.38                | 18.5           |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 1              | 25               | 18.39                | 18.41                | 18.34                | 18.5           |
|                  |                   | 1              | 49               | 18.37                | 18.36                | 18.21                | 18.5           |
|                  |                   | 25             | 0                | 18.15                | 18.23                | 18.08                | 18.5           |
|                  |                   | 25             | 13               | 18.15                | 18.29                | 18.15                | 18.5           |
|                  |                   | 25             | 25               | 18.35                | 18.22                | 18.06                | 18.5           |
|                  |                   | 50             | 0                | 18.12                | 18.15                | 18.1                 | 18.5           |
|                  | 64QAM             | 1              | 0                | 18.32                | 18.16                | 18.02                | 18.5           |
|                  |                   | 1              | 25               | 17.92                | 17.85                | 18                   | 18.5           |
|                  |                   | 1              | 49               | 18.28                | 18.13                | 18.13                | 18.5           |
|                  |                   | 25             | 0                | 18.06                | 18.02                | 17.9                 | 18.5           |
|                  |                   | 25             | 13               | 17.77                | 17.71                | 17.71                | 18.5           |
|                  |                   | 25             | 25               | 18.07                | 18.19                | 17.97                | 18.5           |
|                  |                   | 50             | 0                | 17.86                | 18.03                | 18.08                | 18.5           |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 20025</b> | <b>Channel 20175</b> | <b>Channel 20325</b> | <b>Tune up</b> |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 18.06                | 18.32                | 18.2                 | 18.5           |
|                  |                   | 1              | 38               | 18.06                | 17.94                | 17.94                | 18.5           |
|                  |                   | 1              | 74               | 18.19                | 17.95                | 17.85                | 18.5           |
|                  |                   | 36             | 0                | 18.29                | 18.19                | 18.22                | 18.5           |
|                  |                   | 36             | 18               | 18.21                | 18.22                | 18.26                | 18.5           |
|                  |                   | 36             | 39               | 18.17                | 18.19                | 18.18                | 18.5           |
|                  |                   | 75             | 0                | 18.34                | 18.22                | 18.12                | 18.5           |
|                  | 16QAM             | 1              | 0                | 18.48                | 18.31                | 18.39                | 18.5           |
|                  |                   | 1              | 38               | 18.38                | 18.28                | 18.25                | 18.5           |
|                  |                   | 1              | 74               | 18.39                | 18.33                | 18.36                | 18.5           |
|                  |                   | 36             | 0                | 18.19                | 18.23                | 18.16                | 18.5           |
|                  |                   | 36             | 18               | 18.12                | 18.18                | 18.07                | 18.5           |
|                  |                   | 36             | 39               | 18.26                | 18.15                | 18.09                | 18.5           |
|                  |                   | 75             | 0                | 18.14                | 18.06                | 18.1                 | 18.5           |
|                  | 64QAM             | 1              | 0                | 18.32                | 18.16                | 18.02                | 18.5           |
|                  |                   | 1              | 38               | 17.92                | 17.85                | 18                   | 18.5           |
|                  |                   | 1              | 74               | 18.28                | 18.13                | 18.13                | 18.5           |
|                  |                   | 36             | 0                | 18.06                | 18.02                | 17.9                 | 18.5           |
|                  |                   | 36             | 18               | 17.77                | 17.71                | 17.71                | 18.5           |
|                  |                   | 36             | 39               | 18.07                | 18.19                | 17.97                | 18.5           |
|                  |                   | 75             | 0                | 17.86                | 18.03                | 18.08                | 18.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 20050</b> | <b>Channel 20175</b> | <b>Channel 20300</b> | <b>Tune up</b> |
| <b>20MHz</b>     | QPSK              | 1              | 0                | 18.35                | 18.38                | 18.33                | 18.5           |
|                  |                   | 1              | 50               | 18.44                | 18.41                | 18.08                | 18.5           |
|                  |                   | 1              | 99               | 18.28                | 18.28                | 18.06                | 18.5           |
|                  |                   | 50             | 0                | 18.36                | 18.21                | 18.21                | 18.5           |
|                  |                   | 50             | 25               | 18.21                | 18.26                | 18.22                | 18.5           |
|                  |                   | 50             | 50               | 18.25                | 18.26                | 18.15                | 18.5           |
|                  |                   | 100            | 0                | 18.32                | 18.19                | 18.22                | 18.5           |
|                  | 16QAM             | 1              | 0                | 18.22                | 18.33                | 18.38                | 18.5           |
|                  |                   | 1              | 50               | 18.01                | 17.67                | 17.65                | 18.5           |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 1   | 99 | 18.42 | 18.42 | 18.45 | 18.5 |
|  |       | 50  | 0  | 18.27 | 18.17 | 18.14 | 18.5 |
|  |       | 50  | 25 | 18.13 | 18.26 | 18.12 | 18.5 |
|  |       | 50  | 50 | 18.13 | 18.1  | 18.08 | 18.5 |
|  |       | 100 | 0  | 18.24 | 18.1  | 18.15 | 18.5 |
|  | 64QAM | 1   | 0  | 18.32 | 18.16 | 18.02 | 18.5 |
|  |       | 1   | 50 | 17.92 | 17.85 | 18    | 18.5 |
|  |       | 1   | 99 | 18.28 | 18.13 | 18.13 | 18.5 |
|  |       | 50  | 0  | 18.06 | 18.02 | 17.9  | 18.5 |
|  |       | 50  | 25 | 17.77 | 17.71 | 17.71 | 18.5 |
|  |       | 50  | 50 | 18.07 | 18.19 | 17.97 | 18.5 |
|  |       | 100 | 0  | 17.86 | 18.03 | 18.08 | 18.5 |

| LTE Band 4 Receiver on(Left head) + WiFi5G<br>Ant1/Ant2/MIMO |            |            |              | Conducted Power(dBm) |         |         |         |
|--|------------|------------|--------------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|  |            |            |              | 19957                | 20175   | 20393   |         |
| 1.4MHz   | QPSK       | 1          | 0            | 15.37                | 15.3    | 15.1    | 15.5    |
|  |            | 1          | 2            | 14.27                | 13.99   | 14.05   | 15.5    |
|  |            | 1          | 5            | 15.35                | 15.03   | 15.07   | 15.5    |
|  |            | 3          | 0            | 14.86                | 15.36   | 15.14   | 15.5    |
|  |            | 3          | 2            | 15.29                | 15.13   | 15.37   | 15.5    |
|  |            | 3          | 3            | 15.22                | 14.78   | 14.96   | 15.5    |
|  |            | 6          | 0            | 15.14                | 15.4    | 15.07   | 15.5    |
|  | 16QAM      | 1          | 0            | 15.42                | 15.18   | 15.23   | 15.5    |
|  |            | 1          | 2            | 15.11                | 15.06   | 15.19   | 15.5    |
|  |            | 1          | 5            | 15.34                | 15.29   | 15.3    | 15.5    |
|  |            | 3          | 0            | 15.35                | 15.22   | 15.11   | 15.5    |
|  |            | 3          | 2            | 14.79                | 15.01   | 14.64   | 15.5    |
|  |            | 3          | 3            | 15.01                | 15.2    | 14.68   | 15.5    |
|  |            | 6          | 0            | 15.4                 | 15.24   | 15.12   | 15.5    |
|  | 64QAM      | 1          | 0            | 15.41                | 15.2    | 15.12   | 15.5    |
|  |            | 1          | 2            | 14.96                | 14.92   | 15.01   | 15.5    |
|  |            | 1          | 5            | 15.38                | 15.16   | 15.14   | 15.5    |
|  |            | 3          | 0            | 15.15                | 15.09   | 14.97   | 15.5    |
|  |            | 3          | 2            | 14.85                | 14.72   | 14.8    | 15.5    |
|  |            | 3          | 3            | 15.1                 | 15.21   | 15.02   | 15.5    |
|  |            | 6          | 0            | 14.91                | 15.09   | 15.16   | 15.5    |
| Bandwidth  | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
| 3MHz   | QPSK       | 1          | 0            | 15.25                | 15.16   | 15.12   | 15.5    |
|  |            | 1          | 7            | 15.47                | 15.39   | 14.36   | 15.5    |
|  |            | 1          | 14           | 15.31                | 15.24   | 15.14   | 15.5    |
|  |            | 8          | 0            | 15.31                | 15.15   | 15.06   | 15.5    |
|  |            | 8          | 4            | 15.11                | 15.32   | 14.97   | 15.5    |
|  |            | 8          | 7            | 15.27                | 15.27   | 15.18   | 15.5    |

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|           | 16QAM      | 15      | 0         | 15.26         | 15.27         | 15.12         | 15.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 15.4          | 15.38         | 15.2          | 15.5    |
|           |            | 1       | 7         | 15            | 15.2          | 15.07         | 15.5    |
|           |            | 1       | 14        | 15.3          | 15.22         | 15.29         | 15.5    |
|           |            | 8       | 0         | 14.93         | 15.22         | 15.02         | 15.5    |
|           |            | 8       | 4         | 15.36         | 15.3          | 15.09         | 15.5    |
|           |            | 8       | 7         | 15.11         | 15.26         | 15.33         | 15.5    |
|           |            | 15      | 0         | 15.3          | 15.05         | 15.04         | 15.5    |
|           | 64QAM      | 1       | 0         | 15.37         | 15.19         | 15.07         | 15.5    |
|           |            | 1       | 7         | 15.01         | 14.86         | 15.07         | 15.5    |
|           |            | 1       | 14        | 15.32         | 15.15         | 15.19         | 15.5    |
|           |            | 8       | 0         | 15.15         | 15.07         | 14.93         | 15.5    |
|           |            | 8       | 4         | 14.84         | 14.8          | 14.8          | 15.5    |
|           |            | 8       | 7         | 15.16         | 15.21         | 15.03         | 15.5    |
|           |            | 15      | 0         | 14.89         | 15.07         | 15.15         | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 19975 | Channel 20175 | Channel 20375 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 15.37         | 15.17         | 15.18         | 15.5    |
|           |            | 1       | 13        | 15.31         | 15.19         | 15.03         | 15.5    |
|           |            | 1       | 24        | 15.13         | 15.08         | 15.14         | 15.5    |
|           |            | 12      | 0         | 15.43         | 15.21         | 15.2          | 15.5    |
|           |            | 12      | 6         | 15.23         | 15.17         | 14.92         | 15.5    |
|           |            | 12      | 13        | 15.28         | 15.21         | 15.1          | 15.5    |
|           |            | 25      | 0         | 15.2          | 15.26         | 15.06         | 15.5    |
|           | 16QAM      | 1       | 0         | 15.47         | 15.37         | 15.35         | 15.5    |
|           |            | 1       | 13        | 15.31         | 15.22         | 15.26         | 15.5    |
|           |            | 1       | 24        | 15.33         | 15.34         | 15.23         | 15.5    |
|           |            | 12      | 0         | 15.16         | 15.22         | 15.15         | 15.5    |
|           |            | 12      | 6         | 15.19         | 15.24         | 15.11         | 15.5    |
|           |            | 12      | 13        | 15.3          | 15.22         | 15.12         | 15.5    |
|           |            | 25      | 0         | 15.24         | 15.16         | 15            | 15.5    |
|           | 64QAM      | 1       | 0         | 15.41         | 15.22         | 15.07         | 15.5    |
|           |            | 1       | 13        | 14.99         | 14.9          | 15.07         | 15.5    |
|           |            | 1       | 24        | 15.33         | 15.15         | 15.22         | 15.5    |
|           |            | 12      | 0         | 15.09         | 15.06         | 14.98         | 15.5    |
|           |            | 12      | 6         | 14.8          | 14.73         | 14.71         | 15.5    |
|           |            | 12      | 13        | 15.12         | 15.21         | 15.03         | 15.5    |
|           |            | 25      | 0         | 14.92         | 15.04         | 15.16         | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20000 | Channel 20175 | Channel 20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 15.19         | 15.1          | 15.2          | 15.5    |
|           |            | 1       | 25        | 15.32         | 14.4          | 15.19         | 15.5    |
|           |            | 1       | 49        | 15.18         | 15.21         | 15.12         | 15.5    |
|           |            | 25      | 0         | 15.29         | 15.21         | 15.16         | 15.5    |
|           |            | 25      | 13        | 15.29         | 15.25         | 15.1          | 15.5    |
|           |            | 25      | 25        | 15.2          | 15.24         | 15.06         | 15.5    |
|           |            | 50      | 0         | 15.25         | 15.22         | 15.1          | 15.5    |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  | 16QAM             | 1              | 0                | 15.31                | 15.3                 | 15.22                | 15.5           |
|                  |                   | 1              | 25               | 15.27                | 15.26                | 15.24                | 15.5           |
|                  |                   | 1              | 49               | 15.38                | 15.21                | 15.4                 | 15.5           |
|                  |                   | 25             | 0                | 15.29                | 15.2                 | 15.1                 | 15.5           |
|                  |                   | 25             | 13               | 15.36                | 15.09                | 15.16                | 15.5           |
|                  |                   | 25             | 25               | 15.12                | 15.13                | 15.12                | 15.5           |
|                  |                   | 50             | 0                | 15.2                 | 15.06                | 15.04                | 15.5           |
|                  | 64QAM             | 1              | 0                | 15.35                | 15.26                | 15.08                | 15.5           |
|                  |                   | 1              | 25               | 14.96                | 14.89                | 15.07                | 15.5           |
|                  |                   | 1              | 49               | 15.37                | 15.13                | 15.18                | 15.5           |
|                  |                   | 25             | 0                | 15.13                | 15.05                | 14.95                | 15.5           |
|                  |                   | 25             | 13               | 14.82                | 14.77                | 14.78                | 15.5           |
|                  |                   | 25             | 25               | 15.09                | 15.26                | 15.01                | 15.5           |
|                  |                   | 50             | 0                | 14.92                | 15.09                | 15.13                | 15.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 20025</b> | <b>Channel 20175</b> | <b>Channel 20325</b> | <b>Tune up</b> |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 15.08                | 15.17                | 15.17                | 15.5           |
|                  |                   | 1              | 38               | 14.95                | 15.29                | 15.22                | 15.5           |
|                  |                   | 1              | 74               | 15.26                | 15.19                | 15.05                | 15.5           |
|                  |                   | 36             | 0                | 15.41                | 15.21                | 15.16                | 15.5           |
|                  |                   | 36             | 18               | 15.28                | 15.27                | 15.21                | 15.5           |
|                  |                   | 36             | 39               | 15.3                 | 15.25                | 15.15                | 15.5           |
|                  |                   | 75             | 0                | 15.2                 | 15.28                | 15.19                | 15.5           |
|                  | 16QAM             | 1              | 0                | 15.3                 | 15.25                | 15.19                | 15.5           |
|                  |                   | 1              | 38               | 15.24                | 15.44                | 15.34                | 15.5           |
|                  |                   | 1              | 74               | 15.12                | 15.38                | 15.34                | 15.5           |
|                  |                   | 36             | 0                | 15.28                | 15.23                | 15.07                | 15.5           |
|                  |                   | 36             | 18               | 15.18                | 15.3                 | 15.02                | 15.5           |
|                  |                   | 36             | 39               | 15.29                | 15.1                 | 15.05                | 15.5           |
|                  |                   | 75             | 0                | 15.19                | 15.15                | 15                   | 15.5           |
|                  | 64QAM             | 1              | 0                | 15.42                | 15.19                | 15.09                | 15.5           |
|                  |                   | 1              | 38               | 14.94                | 14.87                | 15.07                | 15.5           |
|                  |                   | 1              | 74               | 15.31                | 15.17                | 15.14                | 15.5           |
|                  |                   | 36             | 0                | 15.1                 | 15.03                | 15                   | 15.5           |
|                  |                   | 36             | 18               | 14.8                 | 14.77                | 14.79                | 15.5           |
|                  |                   | 36             | 39               | 15.15                | 15.2                 | 15.05                | 15.5           |
|                  |                   | 75             | 0                | 14.87                | 15.1                 | 15.14                | 15.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 20050</b> | <b>Channel 20175</b> | <b>Channel 20300</b> | <b>Tune up</b> |
| <b>20MHz</b>     | QPSK              | 1              | 0                | 15.43                | 15.43                | 15.32                | 15.5           |
|                  |                   | 1              | 50               | 15.18                | 15.38                | 15.34                | 15.5           |
|                  |                   | 1              | 99               | 15.18                | 15.12                | 15.17                | 15.5           |
|                  |                   | 50             | 0                | 15.36                | 15.35                | 15.17                | 15.5           |
|                  |                   | 50             | 25               | 15.25                | 15.21                | 15.12                | 15.5           |
|                  |                   | 50             | 50               | 15.21                | 15.18                | 15.12                | 15.5           |
|                  |                   | 100            | 0                | 15.26                | 15.18                | 15.15                | 15.5           |
|                  | 16QAM             | 1              | 0                | 15.31                | 15.34                | 15.25                | 15.5           |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 1   | 50 | 14.62 | 14.63 | 15.35 | 15.5 |
|  |       | 1   | 99 | 15.09 | 15.37 | 15.35 | 15.5 |
|  |       | 50  | 0  | 15.29 | 15.22 | 15.13 | 15.5 |
|  |       | 50  | 25 | 15.26 | 15.08 | 15.1  | 15.5 |
|  |       | 50  | 50 | 15.13 | 15.17 | 15.04 | 15.5 |
|  |       | 100 | 0  | 15.21 | 15.18 | 15.13 | 15.5 |
|  | 64QAM | 1   | 0  | 15.38 | 15.19 | 15.08 | 15.5 |
|  |       | 1   | 50 | 15.01 | 14.9  | 15.05 | 15.5 |
|  |       | 1   | 99 | 15.32 | 15.2  | 15.16 | 15.5 |
|  |       | 50  | 0  | 15.12 | 15.12 | 14.91 | 15.5 |
|  |       | 50  | 25 | 14.77 | 14.75 | 14.78 | 15.5 |
|  |       | 50  | 50 | 15.11 | 15.26 | 15.04 | 15.5 |
|  |       | 100 | 0  | 14.95 | 15.11 | 15.13 | 15.5 |

| LTE Band 4 Receiver on(Right head) + WiFi5G<br>Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 12.68                | 12.92   | 12.64   | 13      |
|   |            | 1       | 2         | 12.69                | 12.56   | 12.1    | 13      |
|   |            | 1       | 5         | 12.82                | 12.82   | 12.53   | 13      |
|   |            | 3       | 0         | 12.78                | 12.49   | 12.57   | 13      |
|   |            | 3       | 2         | 12.89                | 12.6    | 12.66   | 13      |
|   |            | 3       | 3         | 12.7                 | 12.45   | 12.48   | 13      |
|   |            | 6       | 0         | 12.89                | 12.65   | 12.86   | 13      |
|   | 16QAM      | 1       | 0         | 12.91                | 12.83   | 12.79   | 13      |
|   |            | 1       | 2         | 12.52                | 12.65   | 12.4    | 13      |
|   |            | 1       | 5         | 12.86                | 12.83   | 12.85   | 13      |
|   |            | 3       | 0         | 12.63                | 12.65   | 12.78   | 13      |
|   |            | 3       | 2         | 12.72                | 12.8    | 12.16   | 13      |
|   |            | 3       | 3         | 12.49                | 12.65   | 12.54   | 13      |
|   |            | 6       | 0         | 12.97                | 12.64   | 12.44   | 13      |
|   | 64QAM      | 1       | 0         | 12.86                | 12.69   | 12.5    | 13      |
|   |            | 1       | 2         | 12.46                | 12.38   | 12.47   | 13      |
|   |            | 1       | 5         | 12.8                 | 12.62   | 12.62   | 13      |
|   |            | 3       | 0         | 12.57                | 12.58   | 12.39   | 13      |
|   |            | 3       | 2         | 12.22                | 12.17   | 12.26   | 13      |
|   |            | 3       | 3         | 12.55                | 12.74   | 12.53   | 13      |
|   |            | 6       | 0         | 12.43                | 12.55   | 12.56   | 13      |
|   |            |         |           |                      |         |         |         |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz  | QPSK       | 1       | 0         | 12.84                | 12.6    | 12.64   | 13      |
|   |            | 1       | 7         | 12.58                | 12.34   | 12.25   | 13      |
|   |            | 1       | 14        | 12.65                | 12.81   | 12.59   | 13      |
|   |            | 8       | 0         | 12.79                | 12.6    | 12.5    | 13      |
|   |            | 8       | 4         | 12.73                | 12.83   | 12.68   | 13      |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 8              | 7                | 12.82          | 12.62          | 12.56          | 13             |
|                  |                   | 15             | 0                | 12.79          | 12.71          | 12.66          | 13             |
|                  | 16QAM             | 1              | 0                | 12.99          | 12.84          | 12.6           | 13             |
|                  |                   | 1              | 7                | 12.86          | 12.46          | 11.87          | 13             |
|                  |                   | 1              | 14               | 12.88          | 12.76          | 12.67          | 13             |
|                  |                   | 8              | 0                | 12.63          | 12.6           | 12.63          | 13             |
|                  |                   | 8              | 4                | 12.4           | 12.8           | 12.29          | 13             |
|                  |                   | 8              | 7                | 12.76          | 12.66          | 12.48          | 13             |
|                  |                   | 15             | 0                | 12.59          | 12.62          | 12.64          | 13             |
|                  | 64QAM             | 1              | 0                | 12.85          | 12.66          | 12.54          | 13             |
|                  |                   | 1              | 7                | 12.41          | 12.32          | 12.49          | 13             |
|                  |                   | 1              | 14               | 12.75          | 12.68          | 12.61          | 13             |
|                  |                   | 8              | 0                | 12.59          | 12.54          | 12.39          | 13             |
|                  |                   | 8              | 4                | 12.27          | 12.18          | 12.22          | 13             |
|                  |                   | 8              | 7                | 12.52          | 12.72          | 12.47          | 13             |
|                  |                   | 15             | 0                | 12.38          | 12.59          | 12.58          | 13             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 19975          | 20175          | 20375          |                |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 12.85          | 12.78          | 12.63          | 13             |
|                  |                   | 1              | 13               | 12.78          | 12.71          | 12.66          | 13             |
|                  |                   | 1              | 24               | 12.68          | 12.71          | 12.66          | 13             |
|                  |                   | 12             | 0                | 12.82          | 12.71          | 12.58          | 13             |
|                  |                   | 12             | 6                | 12.73          | 12.7           | 12.65          | 13             |
|                  |                   | 12             | 13               | 12.75          | 12.68          | 12.62          | 13             |
|                  |                   | 25             | 0                | 12.85          | 12.72          | 12.58          | 13             |
|                  | 16QAM             | 1              | 0                | 12.54          | 12.52          | 12.56          | 13             |
|                  |                   | 1              | 13               | 12.95          | 12.91          | 12.55          | 13             |
|                  |                   | 1              | 24               | 12.97          | 12.99          | 12.85          | 13             |
|                  |                   | 12             | 0                | 12.86          | 12.76          | 12.53          | 13             |
|                  |                   | 12             | 6                | 12.86          | 12.55          | 12.58          | 13             |
|                  |                   | 12             | 13               | 12.84          | 12.78          | 12.65          | 13             |
|                  |                   | 25             | 0                | 12.8           | 12.69          | 12.5           | 13             |
|                  | 64QAM             | 1              | 0                | 12.81          | 12.64          | 12.51          | 13             |
|                  |                   | 1              | 13               | 12.49          | 12.37          | 12.54          | 13             |
|                  |                   | 1              | 24               | 12.73          | 12.69          | 12.59          | 13             |
|                  |                   | 12             | 0                | 12.56          | 12.58          | 12.31          | 13             |
|                  |                   | 12             | 6                | 12.19          | 12.25          | 12.21          | 13             |
|                  |                   | 12             | 13               | 12.51          | 12.66          | 12.46          | 13             |
|                  |                   | 25             | 0                | 12.43          | 12.53          | 12.62          | 13             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 20000          | 20175          | 20350          |                |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 12.85          | 12.64          | 12.67          | 13             |
|                  |                   | 1              | 25               | 12.53          | 12.13          | 11.77          | 13             |
|                  |                   | 1              | 49               | 12.76          | 12.6           | 12.56          | 13             |
|                  |                   | 25             | 0                | 12.75          | 12.63          | 12.73          | 13             |
|                  |                   | 25             | 13               | 12.66          | 12.55          | 12.64          | 13             |
|                  |                   | 25             | 25               | 12.78          | 12.6           | 12.6           | 13             |

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|           | 16QAM      | 50      | 0         | 12.86            | 12.72            | 12.57            | 13      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 0         | 12.95            | 12.93            | 12.9             | 13      |
|           |            | 1       | 25        | 12.91            | 12.85            | 12.94            | 13      |
|           |            | 1       | 49        | 12.81            | 12.79            | 12.76            | 13      |
|           |            | 25      | 0         | 12.72            | 12.74            | 12.54            | 13      |
|           |            | 25      | 13        | 12.57            | 12.66            | 12.57            | 13      |
|           |            | 25      | 25        | 12.72            | 12.51            | 12.59            | 13      |
|           |            | 50      | 0         | 12.65            | 12.57            | 12.58            | 13      |
|           | 64QAM      | 1       | 0         | 12.82            | 12.61            | 12.57            | 13      |
|           |            | 1       | 25        | 12.47            | 12.33            | 12.46            | 13      |
|           |            | 1       | 49        | 12.77            | 12.6             | 12.6             | 13      |
|           |            | 25      | 0         | 12.53            | 12.6             | 12.37            | 13      |
|           |            | 25      | 13        | 12.2             | 12.17            | 12.21            | 13      |
|           |            | 25      | 25        | 12.56            | 12.75            | 12.49            | 13      |
|           |            | 50      | 0         | 12.4             | 12.56            | 12.62            | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20025 | Channel<br>20175 | Channel<br>20325 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 12.71            | 12.53            | 12.75            | 13      |
|           |            | 1       | 38        | 12.85            | 12.79            | 12.73            | 13      |
|           |            | 1       | 74        | 12.72            | 12.62            | 12.43            | 13      |
|           |            | 36      | 0         | 12.89            | 12.74            | 12.67            | 13      |
|           |            | 36      | 18        | 12.8             | 12.84            | 12.67            | 13      |
|           |            | 36      | 39        | 12.76            | 12.7             | 12.64            | 13      |
|           |            | 75      | 0         | 12.83            | 12.64            | 12.66            | 13      |
|           | 16QAM      | 1       | 0         | 12.99            | 12.73            | 12.81            | 13      |
|           |            | 1       | 38        | 12.89            | 12.55            | 12.91            | 13      |
|           |            | 1       | 74        | 12.82            | 12.47            | 12.63            | 13      |
|           |            | 36      | 0         | 12.7             | 12.67            | 12.59            | 13      |
|           |            | 36      | 18        | 12.61            | 12.61            | 12.65            | 13      |
|           |            | 36      | 39        | 12.52            | 12.58            | 12.63            | 13      |
|           |            | 75      | 0         | 12.76            | 12.6             | 12.57            | 13      |
|           | 64QAM      | 1       | 0         | 12.84            | 12.61            | 12.56            | 13      |
|           |            | 1       | 38        | 12.42            | 12.32            | 12.5             | 13      |
|           |            | 1       | 74        | 12.8             | 12.6             | 12.62            | 13      |
|           |            | 36      | 0         | 12.61            | 12.6             | 12.32            | 13      |
|           |            | 36      | 18        | 12.23            | 12.24            | 12.27            | 13      |
|           |            | 36      | 39        | 12.56            | 12.73            | 12.48            | 13      |
|           |            | 75      | 0         | 12.37            | 12.6             | 12.61            | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20050 | Channel<br>20175 | Channel<br>20300 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 12.97            | 12.88            | 12.75            | 13      |
|           |            | 1       | 50        | 12.76            | 12.86            | 12.43            | 13      |
|           |            | 1       | 99        | 12.64            | 12.67            | 12.63            | 13      |
|           |            | 50      | 0         | 12.8             | 12.73            | 12.68            | 13      |
|           |            | 50      | 25        | 12.85            | 12.7             | 12.5             | 13      |
|           |            | 50      | 50        | 12.71            | 12.65            | 12.59            | 13      |
|           |            | 100     | 0         | 12.71            | 12.69            | 12.69            | 13      |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  | 16QAM | 1   | 0  | 12.89 | 12.91 | 12.92 | 13 |
|  |       | 1   | 50 | 12.84 | 12.86 | 12.72 | 13 |
|  |       | 1   | 99 | 12.82 | 12.94 | 12.78 | 13 |
|  |       | 50  | 0  | 12.76 | 12.64 | 12.6  | 13 |
|  |       | 50  | 25 | 12.51 | 12.58 | 12.64 | 13 |
|  |       | 50  | 50 | 12.49 | 12.63 | 12.54 | 13 |
|  |       | 100 | 0  | 12.65 | 12.64 | 12.63 | 13 |
|  | 64QAM | 1   | 0  | 12.82 | 12.67 | 12.56 | 13 |
|  |       | 1   | 50 | 12.5  | 12.33 | 12.53 | 13 |
|  |       | 1   | 99 | 12.76 | 12.62 | 12.6  | 13 |
|  |       | 50  | 0  | 12.57 | 12.61 | 12.37 | 13 |
|  |       | 50  | 25 | 12.23 | 12.2  | 12.22 | 13 |
|  |       | 50  | 50 | 12.53 | 12.72 | 12.49 | 13 |
|  |       | 100 | 0  | 12.43 | 12.6  | 12.54 | 13 |

| LTE Band 4 Receiver off (body or limbs) +<br>WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |                  |                  |         |
|--|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel<br>19957     | Channel<br>20175 | Channel<br>20393 | Tune up |
| 1.4MHz   | QPSK       | 1       | 0         | 16.26                | 16.32            | 16.14            | 16.5    |
|  |            | 1       | 2         | 16.37                | 16.19            | 16.24            | 16.5    |
|  |            | 1       | 5         | 16.27                | 15.96            | 15.99            | 16.5    |
|  |            | 3       | 0         | 16.23                | 15.65            | 15.98            | 16.5    |
|  |            | 3       | 2         | 16.15                | 16.31            | 15.68            | 16.5    |
|  |            | 3       | 3         | 15.88                | 16.29            | 15.95            | 16.5    |
|  |            | 6       | 0         | 16.25                | 16.11            | 15.97            | 16.5    |
|  | 16QAM      | 1       | 0         | 16.38                | 16.14            | 16               | 16.5    |
|  |            | 1       | 2         | 16.06                | 16.2             | 15.53            | 16.5    |
|  |            | 1       | 5         | 16.32                | 16.23            | 16.35            | 16.5    |
|  |            | 3       | 0         | 16.44                | 15.95            | 16.16            | 16.5    |
|  |            | 3       | 2         | 15.79                | 16.2             | 16.37            | 16.5    |
|  |            | 3       | 3         | 16.38                | 16.39            | 16.27            | 16.5    |
|  |            | 6       | 0         | 16.46                | 16.18            | 16.12            | 16.5    |
|  | 64QAM      | 1       | 0         | 16.25                | 16.1             | 16.05            | 16.5    |
|  |            | 1       | 2         | 15.96                | 15.79            | 15.98            | 16.5    |
|  |            | 1       | 5         | 16.18                | 16.1             | 16.09            | 16.5    |
|  |            | 3       | 0         | 16.02                | 16.08            | 15.78            | 16.5    |
|  |            | 3       | 2         | 15.72                | 15.63            | 15.65            | 16.5    |
|  |            | 3       | 3         | 16.03                | 16.21            | 15.98            | 16.5    |
|  |            | 6       | 0         | 15.84                | 16.09            | 15.96            | 16.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel<br>19965     | Channel<br>20175 | Channel<br>20385 | Tune up |
| 3MHz   | QPSK       | 1       | 0         | 16.48                | 16.19            | 16.16            | 16.5    |
|  |            | 1       | 7         | 16.32                | 15.7             | 14.23            | 16.5    |
|  |            | 1       | 14        | 16.24                | 16.17            | 16.12            | 16.5    |
|  |            | 8       | 0         | 16.16                | 15.83            | 16.12            | 16.5    |

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|           |            | 8       | 4         | 16.21         | 16.36         | 16.15         | 16.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 8       | 7         | 16.17         | 16.23         | 16            | 16.5    |
|           |            | 15      | 0         | 16.29         | 16.14         | 16.2          | 16.5    |
|           |            | 1       | 0         | 16.34         | 16.41         | 16.37         | 16.5    |
|           |            | 1       | 7         | 16.42         | 15.43         | 16.28         | 16.5    |
|           |            | 1       | 14        | 16.33         | 16.36         | 15.9          | 16.5    |
|           |            | 8       | 0         | 16.15         | 16.43         | 15.92         | 16.5    |
|           |            | 8       | 4         | 16.03         | 16.2          | 15.53         | 16.5    |
|           |            | 8       | 7         | 16.25         | 16.11         | 16.06         | 16.5    |
|           |            | 15      | 0         | 16.36         | 16.2          | 16.19         | 16.5    |
|           | 16QAM      | 1       | 0         | 16.25         | 16.11         | 16.03         | 16.5    |
|           |            | 1       | 7         | 15.96         | 15.75         | 15.95         | 16.5    |
|           |            | 1       | 14        | 16.24         | 16.07         | 16.07         | 16.5    |
|           |            | 8       | 0         | 15.99         | 16.09         | 15.84         | 16.5    |
|           |            | 8       | 4         | 15.68         | 15.69         | 15.65         | 16.5    |
|           |            | 8       | 7         | 15.97         | 16.22         | 15.92         | 16.5    |
|           |            | 15      | 0         | 15.85         | 16.05         | 15.99         | 16.5    |
|           | 64QAM      | 1       | 0         | 16.25         | 16.11         | 16.03         | 16.5    |
|           |            | 1       | 7         | 15.96         | 15.75         | 15.95         | 16.5    |
|           |            | 1       | 14        | 16.24         | 16.07         | 16.07         | 16.5    |
|           |            | 8       | 0         | 15.99         | 16.09         | 15.84         | 16.5    |
|           |            | 8       | 4         | 15.68         | 15.69         | 15.65         | 16.5    |
|           |            | 8       | 7         | 15.97         | 16.22         | 15.92         | 16.5    |
|           |            | 15      | 0         | 15.85         | 16.05         | 15.99         | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 19975 | Channel 20175 | Channel 20375 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 16.33         | 16.01         | 16.18         | 16.5    |
|           |            | 1       | 13        | 16.17         | 16.23         | 16.17         | 16.5    |
|           |            | 1       | 24        | 16.26         | 16.3          | 16.14         | 16.5    |
|           |            | 12      | 0         | 16.36         | 16.3          | 16.13         | 16.5    |
|           |            | 12      | 6         | 16.42         | 16.29         | 16.2          | 16.5    |
|           |            | 12      | 13        | 16.28         | 16.3          | 16.18         | 16.5    |
|           |            | 25      | 0         | 16.44         | 16.22         | 16.13         | 16.5    |
|           | 16QAM      | 1       | 0         | 16.34         | 16.38         | 16.34         | 16.5    |
|           |            | 1       | 13        | 16.34         | 16.41         | 16.42         | 16.5    |
|           |            | 1       | 24        | 16.02         | 15.89         | 15.88         | 16.5    |
|           |            | 12      | 0         | 16.42         | 16.24         | 16.11         | 16.5    |
|           |            | 12      | 6         | 16.41         | 16.49         | 16.25         | 16.5    |
|           |            | 12      | 13        | 16.26         | 16.07         | 16            | 16.5    |
|           |            | 25      | 0         | 16.19         | 16.29         | 16.04         | 16.5    |
|           | 64QAM      | 1       | 0         | 16.3          | 16.13         | 15.99         | 16.5    |
|           |            | 1       | 13        | 15.93         | 15.8          | 16            | 16.5    |
|           |            | 1       | 24        | 16.25         | 16.05         | 16.08         | 16.5    |
|           |            | 12      | 0         | 15.98         | 16.02         | 15.85         | 16.5    |
|           |            | 12      | 6         | 15.71         | 15.66         | 15.68         | 16.5    |
|           |            | 12      | 13        | 15.99         | 16.16         | 15.99         | 16.5    |
|           |            | 25      | 0         | 15.9          | 16.03         | 16.01         | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20000 | Channel 20175 | Channel 20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 16.39         | 16.05         | 16.34         | 16.5    |
|           |            | 1       | 25        | 15.51         | 15.66         | 15.73         | 16.5    |
|           |            | 1       | 49        | 16.23         | 16.09         | 16.19         | 16.5    |
|           |            | 25      | 0         | 16.33         | 16.23         | 16.24         | 16.5    |
|           |            | 25      | 13        | 16.2          | 16.28         | 16.18         | 16.5    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  | 16QAM | 100 | 0  | 16.27 | 16.12 | 16.16 | 16.5 |
|  |       | 1   | 0  | 16.33 | 16.31 | 16.38 | 16.5 |
|  |       | 1   | 50 | 16.44 | 15.49 | 15.81 | 16.5 |
|  |       | 1   | 99 | 16.38 | 16.41 | 16.3  | 16.5 |
|  |       | 50  | 0  | 16.13 | 16.13 | 16.09 | 16.5 |
|  |       | 50  | 25 | 16.14 | 16.16 | 16.12 | 16.5 |
|  |       | 50  | 50 | 16.13 | 16.09 | 16.01 | 16.5 |
|  |       | 100 | 0  | 16.25 | 16.07 | 16.1  | 16.5 |
|  | 64QAM | 1   | 0  | 16.31 | 16.17 | 15.97 | 16.5 |
|  |       | 1   | 50 | 15.91 | 15.77 | 15.99 | 16.5 |
|  |       | 1   | 99 | 16.22 | 16.06 | 16.08 | 16.5 |
|  |       | 50  | 0  | 16.03 | 16.01 | 15.78 | 16.5 |
|  |       | 50  | 25 | 15.65 | 15.6  | 15.64 | 16.5 |
|  |       | 50  | 50 | 15.98 | 16.15 | 15.93 | 16.5 |
|  |       | 100 | 0  | 15.9  | 16.1  | 15.99 | 16.5 |

| LTE Band 4 Receiver on(Left head) + BT + WiFi5G<br>Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |                  |                  |         |
|---|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel<br>19957     | Channel<br>20175 | Channel<br>20393 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 15.37                | 15.3             | 15.1             | 15.5    |
|   |            | 1       | 2         | 14.27                | 13.99            | 14.05            | 15.5    |
|   |            | 1       | 5         | 15.35                | 15.03            | 15.07            | 15.5    |
|   |            | 3       | 0         | 14.86                | 15.36            | 15.14            | 15.5    |
|   |            | 3       | 2         | 15.29                | 15.13            | 15.37            | 15.5    |
|   |            | 3       | 3         | 15.22                | 14.78            | 14.96            | 15.5    |
|   |            | 6       | 0         | 15.14                | 15.4             | 15.07            | 15.5    |
|   | 16QAM      | 1       | 0         | 15.42                | 15.18            | 15.23            | 15.5    |
|   |            | 1       | 2         | 15.11                | 15.06            | 15.19            | 15.5    |
|   |            | 1       | 5         | 15.34                | 15.29            | 15.3             | 15.5    |
|   |            | 3       | 0         | 15.35                | 15.22            | 15.11            | 15.5    |
|   |            | 3       | 2         | 14.79                | 15.01            | 14.64            | 15.5    |
|   |            | 3       | 3         | 15.01                | 15.2             | 14.68            | 15.5    |
|   |            | 6       | 0         | 15.4                 | 15.24            | 15.12            | 15.5    |
|   | 64QAM      | 1       | 0         | 15.41                | 15.2             | 15.12            | 15.5    |
|   |            | 1       | 2         | 14.96                | 14.92            | 15.01            | 15.5    |
|   |            | 1       | 5         | 15.38                | 15.16            | 15.14            | 15.5    |
|   |            | 3       | 0         | 15.15                | 15.09            | 14.97            | 15.5    |
|   |            | 3       | 2         | 14.85                | 14.72            | 14.8             | 15.5    |
|   |            | 3       | 3         | 15.1                 | 15.21            | 15.02            | 15.5    |
|   |            | 6       | 0         | 14.91                | 15.09            | 15.16            | 15.5    |
| Bandwidth   | Modulation | RB size | RB offset | Channel<br>19965     | Channel<br>20175 | Channel<br>20385 | Tune up |
| 3MHz  | QPSK       | 1       | 0         | 15.25                | 15.16            | 15.12            | 15.5    |
|   |            | 1       | 7         | 15.47                | 15.39            | 14.36            | 15.5    |
|   |            | 1       | 14        | 15.31                | 15.24            | 15.14            | 15.5    |

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|           |           |            |         |           |         |         |         |         |
|-----------|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |           | 8          | 0       | 15.31     | 15.15   | 15.06   | 15.5    |         |
|           |           | 8          | 4       | 15.11     | 15.32   | 14.97   | 15.5    |         |
|           |           | 8          | 7       | 15.27     | 15.27   | 15.18   | 15.5    |         |
|           |           | 15         | 0       | 15.26     | 15.27   | 15.12   | 15.5    |         |
|           | 16QAM     | 1          | 0       | 15.4      | 15.38   | 15.2    | 15.5    |         |
|           |           | 1          | 7       | 15        | 15.2    | 15.07   | 15.5    |         |
|           |           | 1          | 14      | 15.3      | 15.22   | 15.29   | 15.5    |         |
|           |           | 8          | 0       | 14.93     | 15.22   | 15.02   | 15.5    |         |
|           |           | 8          | 4       | 15.36     | 15.3    | 15.09   | 15.5    |         |
|           |           | 8          | 7       | 15.11     | 15.26   | 15.33   | 15.5    |         |
|           | 64QAM     | 15         | 0       | 15.3      | 15.05   | 15.04   | 15.5    |         |
|           |           | 1          | 0       | 15.37     | 15.19   | 15.07   | 15.5    |         |
|           |           | 1          | 7       | 15.01     | 14.86   | 15.07   | 15.5    |         |
|           |           | 1          | 14      | 15.32     | 15.15   | 15.19   | 15.5    |         |
|           |           | 8          | 0       | 15.15     | 15.07   | 14.93   | 15.5    |         |
|           |           | 8          | 4       | 14.84     | 14.8    | 14.8    | 15.5    |         |
|           | 8         | 7          | 15.16   | 15.21     | 15.03   | 15.5    |         |         |
|           | 15        | 0          | 14.89   | 15.07     | 15.15   | 15.5    |         |         |
|           | Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |           |            |         |           | 19975   | 20175   | 20375   |         |
|           | 5MHz      | QPSK       | 1       | 0         | 15.37   | 15.17   | 15.18   | 15.5    |
| 1         |           |            | 13      | 15.31     | 15.19   | 15.03   | 15.5    |         |
| 1         |           |            | 24      | 15.13     | 15.08   | 15.14   | 15.5    |         |
| 12        |           |            | 0       | 15.43     | 15.21   | 15.2    | 15.5    |         |
| 12        |           |            | 6       | 15.23     | 15.17   | 14.92   | 15.5    |         |
| 12        |           |            | 13      | 15.28     | 15.21   | 15.1    | 15.5    |         |
| 25        |           |            | 0       | 15.2      | 15.26   | 15.06   | 15.5    |         |
| 16QAM     |           | 1          | 0       | 15.47     | 15.37   | 15.35   | 15.5    |         |
|           |           | 1          | 13      | 15.31     | 15.22   | 15.26   | 15.5    |         |
|           |           | 1          | 24      | 15.33     | 15.34   | 15.23   | 15.5    |         |
|           |           | 12         | 0       | 15.16     | 15.22   | 15.15   | 15.5    |         |
|           |           | 12         | 6       | 15.19     | 15.24   | 15.11   | 15.5    |         |
|           |           | 12         | 13      | 15.3      | 15.22   | 15.12   | 15.5    |         |
|           |           | 25         | 0       | 15.24     | 15.16   | 15      | 15.5    |         |
| 64QAM     |           | 1          | 0       | 15.41     | 15.22   | 15.07   | 15.5    |         |
|           |           | 1          | 13      | 14.99     | 14.9    | 15.07   | 15.5    |         |
|           |           | 1          | 24      | 15.33     | 15.15   | 15.22   | 15.5    |         |
|           |           | 12         | 0       | 15.09     | 15.06   | 14.98   | 15.5    |         |
|           |           | 12         | 6       | 14.8      | 14.73   | 14.71   | 15.5    |         |
|           |           | 12         | 13      | 15.12     | 15.21   | 15.03   | 15.5    |         |
|           |           | 25         | 0       | 14.92     | 15.04   | 15.16   | 15.5    |         |
| Bandwidth |           | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     |           | QPSK       | 1       | 0         | 15.19   | 15.1    | 15.2    | 15.5    |
|           | 1         |            | 25      | 15.32     | 14.4    | 15.19   | 15.5    |         |
|           | 1         |            | 49      | 15.18     | 15.21   | 15.12   | 15.5    |         |
|           | 25        |            | 0       | 15.29     | 15.21   | 15.16   | 15.5    |         |

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|  |       |    |    |       |       |       |      |
|--|-------|----|----|-------|-------|-------|------|
|  |       | 25 | 13 | 15.29 | 15.25 | 15.1  | 15.5 |
|  |       | 25 | 25 | 15.2  | 15.24 | 15.06 | 15.5 |
|  |       | 50 | 0  | 15.25 | 15.22 | 15.1  | 15.5 |
|  | 16QAM | 1  | 0  | 15.31 | 15.3  | 15.22 | 15.5 |
|  |       | 1  | 25 | 15.27 | 15.26 | 15.24 | 15.5 |
|  |       | 1  | 49 | 15.38 | 15.21 | 15.4  | 15.5 |
|  |       | 25 | 0  | 15.29 | 15.2  | 15.1  | 15.5 |
|  |       | 25 | 13 | 15.36 | 15.09 | 15.16 | 15.5 |
|  |       | 25 | 25 | 15.12 | 15.13 | 15.12 | 15.5 |
|  |       | 50 | 0  | 15.2  | 15.06 | 15.04 | 15.5 |
|  |       | 1  | 0  | 15.35 | 15.26 | 15.08 | 15.5 |
|  | 64QAM | 1  | 25 | 14.96 | 14.89 | 15.07 | 15.5 |
|  |       | 1  | 49 | 15.37 | 15.13 | 15.18 | 15.5 |
|  |       | 25 | 0  | 15.13 | 15.05 | 14.95 | 15.5 |
|  |       | 25 | 13 | 14.82 | 14.77 | 14.78 | 15.5 |
|  |       | 25 | 25 | 15.09 | 15.26 | 15.01 | 15.5 |
|  |       | 50 | 0  | 14.92 | 15.09 | 15.13 | 15.5 |
|  |       | 1  | 0  | 15.08 | 15.17 | 15.17 | 15.5 |
|  |       | 1  | 38 | 14.95 | 15.29 | 15.22 | 15.5 |
|  |       | 1  | 74 | 15.26 | 15.19 | 15.05 | 15.5 |
|  |       | 36 | 0  | 15.41 | 15.21 | 15.16 | 15.5 |
|  |       | 36 | 18 | 15.28 | 15.27 | 15.21 | 15.5 |
|  |       | 36 | 39 | 15.3  | 15.25 | 15.15 | 15.5 |
|  |       | 75 | 0  | 15.2  | 15.28 | 15.19 | 15.5 |
|  |       | 1  | 0  | 15.3  | 15.25 | 15.19 | 15.5 |
|  |       | 1  | 38 | 15.24 | 15.44 | 15.34 | 15.5 |
|  |       | 1  | 74 | 15.12 | 15.38 | 15.34 | 15.5 |
|  |       | 36 | 0  | 15.28 | 15.23 | 15.07 | 15.5 |
|  |       | 36 | 18 | 15.18 | 15.3  | 15.02 | 15.5 |
|  |       | 36 | 39 | 15.29 | 15.1  | 15.05 | 15.5 |
|  |       | 75 | 0  | 15.19 | 15.15 | 15    | 15.5 |
|  |       | 1  | 0  | 15.42 | 15.19 | 15.09 | 15.5 |
|  |       | 1  | 38 | 14.94 | 14.87 | 15.07 | 15.5 |
|  |       | 1  | 74 | 15.31 | 15.17 | 15.14 | 15.5 |
|  |       | 36 | 0  | 15.1  | 15.03 | 15    | 15.5 |
|  |       | 36 | 18 | 14.8  | 14.77 | 14.79 | 15.5 |
|  |       | 36 | 39 | 15.15 | 15.2  | 15.05 | 15.5 |
|  |       | 75 | 0  | 14.87 | 15.1  | 15.14 | 15.5 |
|  |       | 1  | 0  | 15.43 | 15.43 | 15.32 | 15.5 |
|  |       | 1  | 50 | 15.18 | 15.38 | 15.34 | 15.5 |
|  |       | 1  | 99 | 15.18 | 15.12 | 15.17 | 15.5 |
|  |       | 50 | 0  | 15.36 | 15.35 | 15.17 | 15.5 |
|  |       | 50 | 25 | 15.25 | 15.21 | 15.12 | 15.5 |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 50  | 50 | 15.21 | 15.18 | 15.12 | 15.5 |
|  |       | 100 | 0  | 15.26 | 15.18 | 15.15 | 15.5 |
|  | 16QAM | 1   | 0  | 15.31 | 15.34 | 15.25 | 15.5 |
|  |       | 1   | 50 | 14.62 | 14.63 | 15.35 | 15.5 |
|  |       | 1   | 99 | 15.09 | 15.37 | 15.35 | 15.5 |
|  |       | 50  | 0  | 15.29 | 15.22 | 15.13 | 15.5 |
|  |       | 50  | 25 | 15.26 | 15.08 | 15.1  | 15.5 |
|  |       | 50  | 50 | 15.13 | 15.17 | 15.04 | 15.5 |
|  |       | 100 | 0  | 15.21 | 15.18 | 15.13 | 15.5 |
|  | 64QAM | 1   | 0  | 15.38 | 15.19 | 15.08 | 15.5 |
|  |       | 1   | 50 | 15.01 | 14.9  | 15.05 | 15.5 |
|  |       | 1   | 99 | 15.32 | 15.2  | 15.16 | 15.5 |
|  |       | 50  | 0  | 15.12 | 15.12 | 14.91 | 15.5 |
|  |       | 50  | 25 | 14.77 | 14.75 | 14.78 | 15.5 |
|  |       | 50  | 50 | 15.11 | 15.26 | 15.04 | 15.5 |
|  |       | 100 | 0  | 14.95 | 15.11 | 15.13 | 15.5 |

| LTE Band 4 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel 19957        | Channel 20175 | Channel 20393 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 12.68                | 12.92         | 12.64         | 13      |
|   |            | 1       | 2         | 12.69                | 12.56         | 12.1          | 13      |
|   |            | 1       | 5         | 12.82                | 12.82         | 12.53         | 13      |
|   |            | 3       | 0         | 12.78                | 12.49         | 12.57         | 13      |
|   |            | 3       | 2         | 12.89                | 12.6          | 12.66         | 13      |
|   |            | 3       | 3         | 12.7                 | 12.45         | 12.48         | 13      |
|   | 16QAM      | 6       | 0         | 12.89                | 12.65         | 12.86         | 13      |
|   |            | 1       | 0         | 12.91                | 12.83         | 12.79         | 13      |
|   |            | 1       | 2         | 12.52                | 12.65         | 12.4          | 13      |
|   |            | 1       | 5         | 12.86                | 12.83         | 12.85         | 13      |
|   |            | 3       | 0         | 12.63                | 12.65         | 12.78         | 13      |
|   |            | 3       | 2         | 12.72                | 12.8          | 12.16         | 13      |
|   |            | 3       | 3         | 12.49                | 12.65         | 12.54         | 13      |
|   |            | 6       | 0         | 12.97                | 12.64         | 12.44         | 13      |
|   | 64QAM      | 1       | 0         | 12.86                | 12.69         | 12.5          | 13      |
|   |            | 1       | 2         | 12.46                | 12.38         | 12.47         | 13      |
|   |            | 1       | 5         | 12.8                 | 12.62         | 12.62         | 13      |
|   |            | 3       | 0         | 12.57                | 12.58         | 12.39         | 13      |
|   |            | 3       | 2         | 12.22                | 12.17         | 12.26         | 13      |
|   |            | 3       | 3         | 12.55                | 12.74         | 12.53         | 13      |
|   |            | 6       | 0         | 12.43                | 12.55         | 12.56         | 13      |
| Bandwidth   | Modulation | RB size | RB offset | Channel 19965        | Channel 20175 | Channel 20385 | Tune up |
| 3MHz  | QPSK       | 1       | 0         | 12.84                | 12.6          | 12.64         | 13      |
|   |            | 1       | 7         | 12.58                | 12.34         | 12.25         | 13      |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 14        | 12.65   | 12.81   | 12.59   | 13      |
|           |            | 8       | 0         | 12.79   | 12.6    | 12.5    | 13      |
|           |            | 8       | 4         | 12.73   | 12.83   | 12.68   | 13      |
|           |            | 8       | 7         | 12.82   | 12.62   | 12.56   | 13      |
|           |            | 15      | 0         | 12.79   | 12.71   | 12.66   | 13      |
|           | 16QAM      | 1       | 0         | 12.99   | 12.84   | 12.6    | 13      |
|           |            | 1       | 7         | 12.86   | 12.46   | 11.87   | 13      |
|           |            | 1       | 14        | 12.88   | 12.76   | 12.67   | 13      |
|           |            | 8       | 0         | 12.63   | 12.6    | 12.63   | 13      |
|           |            | 8       | 4         | 12.4    | 12.8    | 12.29   | 13      |
|           |            | 8       | 7         | 12.76   | 12.66   | 12.48   | 13      |
|           |            | 15      | 0         | 12.59   | 12.62   | 12.64   | 13      |
|           | 64QAM      | 1       | 0         | 12.85   | 12.66   | 12.54   | 13      |
|           |            | 1       | 7         | 12.41   | 12.32   | 12.49   | 13      |
|           |            | 1       | 14        | 12.75   | 12.68   | 12.61   | 13      |
|           |            | 8       | 0         | 12.59   | 12.54   | 12.39   | 13      |
|           |            | 8       | 4         | 12.27   | 12.18   | 12.22   | 13      |
|           |            | 8       | 7         | 12.52   | 12.72   | 12.47   | 13      |
|           |            | 15      | 0         | 12.38   | 12.59   | 12.58   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 12.85   | 12.78   | 12.63   | 13      |
|           |            | 1       | 13        | 12.78   | 12.71   | 12.66   | 13      |
|           |            | 1       | 24        | 12.68   | 12.71   | 12.66   | 13      |
|           |            | 12      | 0         | 12.82   | 12.71   | 12.58   | 13      |
|           |            | 12      | 6         | 12.73   | 12.7    | 12.65   | 13      |
|           |            | 12      | 13        | 12.75   | 12.68   | 12.62   | 13      |
|           |            | 25      | 0         | 12.85   | 12.72   | 12.58   | 13      |
|           | 16QAM      | 1       | 0         | 12.54   | 12.52   | 12.56   | 13      |
|           |            | 1       | 13        | 12.95   | 12.91   | 12.55   | 13      |
|           |            | 1       | 24        | 12.97   | 12.99   | 12.85   | 13      |
|           |            | 12      | 0         | 12.86   | 12.76   | 12.53   | 13      |
|           |            | 12      | 6         | 12.86   | 12.55   | 12.58   | 13      |
|           |            | 12      | 13        | 12.84   | 12.78   | 12.65   | 13      |
|           |            | 25      | 0         | 12.8    | 12.69   | 12.5    | 13      |
|           | 64QAM      | 1       | 0         | 12.81   | 12.64   | 12.51   | 13      |
|           |            | 1       | 13        | 12.49   | 12.37   | 12.54   | 13      |
|           |            | 1       | 24        | 12.73   | 12.69   | 12.59   | 13      |
|           |            | 12      | 0         | 12.56   | 12.58   | 12.31   | 13      |
|           |            | 12      | 6         | 12.19   | 12.25   | 12.21   | 13      |
|           |            | 12      | 13        | 12.51   | 12.66   | 12.46   | 13      |
|           |            | 25      | 0         | 12.43   | 12.53   | 12.62   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 12.85   | 12.64   | 12.67   | 13      |
|           |            | 1       | 25        | 12.53   | 12.13   | 11.77   | 13      |
|           |            | 1       | 49        | 12.76   | 12.6    | 12.56   | 13      |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 12.75   | 12.63   | 12.73   | 13      |
|           |            | 25      | 13        | 12.66   | 12.55   | 12.64   | 13      |
|           |            | 25      | 25        | 12.78   | 12.6    | 12.6    | 13      |
|           |            | 50      | 0         | 12.86   | 12.72   | 12.57   | 13      |
|           | 16QAM      | 1       | 0         | 12.95   | 12.93   | 12.9    | 13      |
|           |            | 1       | 25        | 12.91   | 12.85   | 12.94   | 13      |
|           |            | 1       | 49        | 12.81   | 12.79   | 12.76   | 13      |
|           |            | 25      | 0         | 12.72   | 12.74   | 12.54   | 13      |
|           |            | 25      | 13        | 12.57   | 12.66   | 12.57   | 13      |
|           |            | 25      | 25        | 12.72   | 12.51   | 12.59   | 13      |
|           |            | 50      | 0         | 12.65   | 12.57   | 12.58   | 13      |
|           |            | 50      | 0         | 12.65   | 12.57   | 12.58   | 13      |
|           | 64QAM      | 1       | 0         | 12.82   | 12.61   | 12.57   | 13      |
|           |            | 1       | 25        | 12.47   | 12.33   | 12.46   | 13      |
|           |            | 1       | 49        | 12.77   | 12.6    | 12.6    | 13      |
|           |            | 25      | 0         | 12.53   | 12.6    | 12.37   | 13      |
|           |            | 25      | 13        | 12.2    | 12.17   | 12.21   | 13      |
|           |            | 25      | 25        | 12.56   | 12.75   | 12.49   | 13      |
|           |            | 50      | 0         | 12.4    | 12.56   | 12.62   | 13      |
|           |            | 50      | 0         | 12.4    | 12.56   | 12.62   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 12.71   | 12.53   | 12.75   | 13      |
|           |            | 1       | 38        | 12.85   | 12.79   | 12.73   | 13      |
|           |            | 1       | 74        | 12.72   | 12.62   | 12.43   | 13      |
|           |            | 36      | 0         | 12.89   | 12.74   | 12.67   | 13      |
|           |            | 36      | 18        | 12.8    | 12.84   | 12.67   | 13      |
|           |            | 36      | 39        | 12.76   | 12.7    | 12.64   | 13      |
|           |            | 75      | 0         | 12.83   | 12.64   | 12.66   | 13      |
|           |            | 75      | 0         | 12.83   | 12.64   | 12.66   | 13      |
|           | 16QAM      | 1       | 0         | 12.99   | 12.73   | 12.81   | 13      |
|           |            | 1       | 38        | 12.89   | 12.55   | 12.91   | 13      |
|           |            | 1       | 74        | 12.82   | 12.47   | 12.63   | 13      |
|           |            | 36      | 0         | 12.7    | 12.67   | 12.59   | 13      |
|           |            | 36      | 18        | 12.61   | 12.61   | 12.65   | 13      |
|           |            | 36      | 39        | 12.52   | 12.58   | 12.63   | 13      |
|           |            | 75      | 0         | 12.76   | 12.6    | 12.57   | 13      |
|           |            | 75      | 0         | 12.76   | 12.6    | 12.57   | 13      |
|           | 64QAM      | 1       | 0         | 12.84   | 12.61   | 12.56   | 13      |
|           |            | 1       | 38        | 12.42   | 12.32   | 12.5    | 13      |
|           |            | 1       | 74        | 12.8    | 12.6    | 12.62   | 13      |
|           |            | 36      | 0         | 12.61   | 12.6    | 12.32   | 13      |
|           |            | 36      | 18        | 12.23   | 12.24   | 12.27   | 13      |
|           |            | 36      | 39        | 12.56   | 12.73   | 12.48   | 13      |
|           |            | 75      | 0         | 12.37   | 12.6    | 12.61   | 13      |
|           |            | 75      | 0         | 12.37   | 12.6    | 12.61   | 13      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 12.97   | 12.88   | 12.75   | 13      |
|           |            | 1       | 50        | 12.76   | 12.86   | 12.43   | 13      |
|           |            | 1       | 99        | 12.64   | 12.67   | 12.63   | 13      |
|           |            | 50      | 0         | 12.8    | 12.73   | 12.68   | 13      |

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|  |       |     |    |       |       |       |    |
|--|-------|-----|----|-------|-------|-------|----|
|  |       | 50  | 25 | 12.85 | 12.7  | 12.5  | 13 |
|  |       | 50  | 50 | 12.71 | 12.65 | 12.59 | 13 |
|  |       | 100 | 0  | 12.71 | 12.69 | 12.69 | 13 |
|  | 16QAM | 1   | 0  | 12.89 | 12.91 | 12.92 | 13 |
|  |       | 1   | 50 | 12.84 | 12.86 | 12.72 | 13 |
|  |       | 1   | 99 | 12.82 | 12.94 | 12.78 | 13 |
|  |       | 50  | 0  | 12.76 | 12.64 | 12.6  | 13 |
|  |       | 50  | 25 | 12.51 | 12.58 | 12.64 | 13 |
|  |       | 50  | 50 | 12.49 | 12.63 | 12.54 | 13 |
|  |       | 100 | 0  | 12.65 | 12.64 | 12.63 | 13 |
|  |       | 1   | 0  | 12.82 | 12.67 | 12.56 | 13 |
|  | 64QAM | 1   | 50 | 12.5  | 12.33 | 12.53 | 13 |
|  |       | 1   | 99 | 12.76 | 12.62 | 12.6  | 13 |
|  |       | 50  | 0  | 12.57 | 12.61 | 12.37 | 13 |
|  |       | 50  | 25 | 12.23 | 12.2  | 12.22 | 13 |
|  |       | 50  | 50 | 12.53 | 12.72 | 12.49 | 13 |
|  |       | 100 | 0  | 12.43 | 12.6  | 12.54 | 13 |

| LTE Band 4 Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 16.26                | 16.32   | 16.14   | 16.5    |
|  |            | 1       | 2         | 16.37                | 16.19   | 16.24   | 16.5    |
|  |            | 1       | 5         | 16.27                | 15.96   | 15.99   | 16.5    |
|  |            | 3       | 0         | 16.23                | 15.65   | 15.98   | 16.5    |
|  |            | 3       | 2         | 16.15                | 16.31   | 15.68   | 16.5    |
|  |            | 3       | 3         | 15.88                | 16.29   | 15.95   | 16.5    |
|  |            | 6       | 0         | 16.25                | 16.11   | 15.97   | 16.5    |
|  | 16QAM      | 1       | 0         | 16.38                | 16.14   | 16      | 16.5    |
|  |            | 1       | 2         | 16.06                | 16.2    | 15.53   | 16.5    |
|  |            | 1       | 5         | 16.32                | 16.23   | 16.35   | 16.5    |
|  |            | 3       | 0         | 16.44                | 15.95   | 16.16   | 16.5    |
|  |            | 3       | 2         | 15.79                | 16.2    | 16.37   | 16.5    |
|  |            | 3       | 3         | 16.38                | 16.39   | 16.27   | 16.5    |
|  |            | 6       | 0         | 16.46                | 16.18   | 16.12   | 16.5    |
|  | 64QAM      | 1       | 0         | 16.25                | 16.1    | 16.05   | 16.5    |
|  |            | 1       | 2         | 15.96                | 15.79   | 15.98   | 16.5    |
|  |            | 1       | 5         | 16.18                | 16.1    | 16.09   | 16.5    |
|  |            | 3       | 0         | 16.02                | 16.08   | 15.78   | 16.5    |
|  |            | 3       | 2         | 15.72                | 15.63   | 15.65   | 16.5    |
|  |            | 3       | 3         | 16.03                | 16.21   | 15.98   | 16.5    |
|  |            | 6       | 0         | 15.84                | 16.09   | 15.96   | 16.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz   | QPSK       | 1       | 0         | 16.48                | 16.19   | 16.16   | 16.5    |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 1              | 7                | 16.32          | 15.7           | 14.23          | 16.5           |
|                  |                   | 1              | 14               | 16.24          | 16.17          | 16.12          | 16.5           |
|                  |                   | 8              | 0                | 16.16          | 15.83          | 16.12          | 16.5           |
|                  |                   | 8              | 4                | 16.21          | 16.36          | 16.15          | 16.5           |
|                  |                   | 8              | 7                | 16.17          | 16.23          | 16             | 16.5           |
|                  |                   | 15             | 0                | 16.29          | 16.14          | 16.2           | 16.5           |
|                  | 16QAM             | 1              | 0                | 16.34          | 16.41          | 16.37          | 16.5           |
|                  |                   | 1              | 7                | 16.42          | 15.43          | 16.28          | 16.5           |
|                  |                   | 1              | 14               | 16.33          | 16.36          | 15.9           | 16.5           |
|                  |                   | 8              | 0                | 16.15          | 16.43          | 15.92          | 16.5           |
|                  |                   | 8              | 4                | 16.03          | 16.2           | 15.53          | 16.5           |
|                  |                   | 8              | 7                | 16.25          | 16.11          | 16.06          | 16.5           |
|                  |                   | 15             | 0                | 16.36          | 16.2           | 16.19          | 16.5           |
|                  | 64QAM             | 1              | 0                | 16.25          | 16.11          | 16.03          | 16.5           |
|                  |                   | 1              | 7                | 15.96          | 15.75          | 15.95          | 16.5           |
|                  |                   | 1              | 14               | 16.24          | 16.07          | 16.07          | 16.5           |
|                  |                   | 8              | 0                | 15.99          | 16.09          | 15.84          | 16.5           |
|                  |                   | 8              | 4                | 15.68          | 15.69          | 15.65          | 16.5           |
|                  |                   | 8              | 7                | 15.97          | 16.22          | 15.92          | 16.5           |
|                  |                   | 15             | 0                | 15.85          | 16.05          | 15.99          | 16.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 19975          | 20175          | 20375          |                |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 16.33          | 16.01          | 16.18          | 16.5           |
|                  |                   | 1              | 13               | 16.17          | 16.23          | 16.17          | 16.5           |
|                  |                   | 1              | 24               | 16.26          | 16.3           | 16.14          | 16.5           |
|                  |                   | 12             | 0                | 16.36          | 16.3           | 16.13          | 16.5           |
|                  |                   | 12             | 6                | 16.42          | 16.29          | 16.2           | 16.5           |
|                  |                   | 12             | 13               | 16.28          | 16.3           | 16.18          | 16.5           |
|                  |                   | 25             | 0                | 16.44          | 16.22          | 16.13          | 16.5           |
|                  | 16QAM             | 1              | 0                | 16.34          | 16.38          | 16.34          | 16.5           |
|                  |                   | 1              | 13               | 16.34          | 16.41          | 16.42          | 16.5           |
|                  |                   | 1              | 24               | 16.02          | 15.89          | 15.88          | 16.5           |
|                  |                   | 12             | 0                | 16.42          | 16.24          | 16.11          | 16.5           |
|                  |                   | 12             | 6                | 16.41          | 16.49          | 16.25          | 16.5           |
|                  |                   | 12             | 13               | 16.26          | 16.07          | 16             | 16.5           |
|                  |                   | 25             | 0                | 16.19          | 16.29          | 16.04          | 16.5           |
|                  | 64QAM             | 1              | 0                | 16.3           | 16.13          | 15.99          | 16.5           |
|                  |                   | 1              | 13               | 15.93          | 15.8           | 16             | 16.5           |
|                  |                   | 1              | 24               | 16.25          | 16.05          | 16.08          | 16.5           |
|                  |                   | 12             | 0                | 15.98          | 16.02          | 15.85          | 16.5           |
|                  |                   | 12             | 6                | 15.71          | 15.66          | 15.68          | 16.5           |
|                  |                   | 12             | 13               | 15.99          | 16.16          | 15.99          | 16.5           |
|                  |                   | 25             | 0                | 15.9           | 16.03          | 16.01          | 16.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 20000          | 20175          | 20350          |                |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 16.39          | 16.05          | 16.34          | 16.5           |
|                  |                   | 1              | 25               | 15.51          | 15.66          | 15.73          | 16.5           |

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|       |           |            |         |           |         |         |         |         |
|-------|-----------|------------|---------|-----------|---------|---------|---------|---------|
|       |           | 1          | 49      | 16.23     | 16.09   | 16.19   | 16.5    |         |
|       |           | 25         | 0       | 16.33     | 16.23   | 16.24   | 16.5    |         |
|       |           | 25         | 13      | 16.2      | 16.28   | 16.18   | 16.5    |         |
|       |           | 25         | 25      | 16.36     | 16.21   | 16.15   | 16.5    |         |
|       |           | 50         | 0       | 16.34     | 16.22   | 16.19   | 16.5    |         |
|       |           | 16QAM      | 1       | 0         | 16.35   | 16.32   | 16.3    | 16.5    |
|       |           | 1          | 25      | 16.21     | 15.8    | 16.31   | 16.5    |         |
|       |           | 1          | 49      | 16.26     | 16.22   | 16.23   | 16.5    |         |
|       |           | 25         | 0       | 16.31     | 16.11   | 16.1    | 16.5    |         |
|       |           | 25         | 13      | 16.17     | 16.17   | 16.17   | 16.5    |         |
|       | 25        | 25         | 16.18   | 16.07     | 16.09   | 16.5    |         |         |
|       | 50        | 0          | 16.22   | 16.07     | 16.12   | 16.5    |         |         |
|       | 64QAM     | 1          | 0       | 16.29     | 16.17   | 15.96   | 16.5    |         |
|       |           | 1          | 25      | 15.98     | 15.75   | 15.96   | 16.5    |         |
|       |           | 1          | 49      | 16.21     | 16.06   | 16.04   | 16.5    |         |
|       |           | 25         | 0       | 16.07     | 16.1    | 15.83   | 16.5    |         |
|       |           | 25         | 13      | 15.69     | 15.67   | 15.63   | 16.5    |         |
|       |           | 25         | 25      | 15.99     | 16.19   | 15.96   | 16.5    |         |
|       |           | 50         | 0       | 15.86     | 16.09   | 15.95   | 16.5    |         |
|       | Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|       |           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz | QPSK      | 1          | 0       | 16.22     | 16.33   | 16.23   | 16.5    |         |
|       |           | 1          | 38      | 16.3      | 16.34   | 16.01   | 16.5    |         |
|       |           | 1          | 74      | 16.25     | 15.89   | 16.04   | 16.5    |         |
|       |           | 36         | 0       | 16.28     | 16.32   | 16.32   | 16.5    |         |
|       |           | 36         | 18      | 16.32     | 16.21   | 16.24   | 16.5    |         |
|       |           | 36         | 39      | 16.27     | 16.17   | 16.19   | 16.5    |         |
|       |           | 75         | 0       | 16.23     | 16.25   | 16.1    | 16.5    |         |
|       | 16QAM     | 1          | 0       | 16.37     | 16.23   | 16.32   | 16.5    |         |
|       |           | 1          | 38      | 16.24     | 16.39   | 15.98   | 16.5    |         |
|       |           | 1          | 74      | 16.25     | 15.93   | 16.19   | 16.5    |         |
|       |           | 36         | 0       | 16.17     | 16.19   | 16.09   | 16.5    |         |
|       |           | 36         | 18      | 16.21     | 16.11   | 16.05   | 16.5    |         |
|       |           | 36         | 39      | 16.24     | 16.15   | 16.16   | 16.5    |         |
|       |           | 75         | 0       | 16.13     | 16.12   | 16.16   | 16.5    |         |
|       | 64QAM     | 1          | 0       | 16.28     | 16.08   | 16.01   | 16.5    |         |
|       |           | 1          | 38      | 15.91     | 15.8    | 15.98   | 16.5    |         |
|       |           | 1          | 74      | 16.24     | 16.11   | 16.06   | 16.5    |         |
|       |           | 36         | 0       | 16.03     | 16.05   | 15.8    | 16.5    |         |
|       |           | 36         | 18      | 15.73     | 15.69   | 15.68   | 16.5    |         |
|       |           | 36         | 39      | 16.02     | 16.19   | 15.92   | 16.5    |         |
|       |           | 75         | 0       | 15.88     | 16.04   | 15.97   | 16.5    |         |
|       | Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|       |           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz | QPSK      | 1          | 0       | 16.4      | 16.41   | 16.25   | 16.5    |         |
|       |           | 1          | 50      | 15.65     | 15.36   | 16.36   | 16.5    |         |
|       |           | 1          | 99      | 16.16     | 15.99   | 16.18   | 16.5    |         |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 50  | 0  | 16.4  | 16.23 | 16.14 | 16.5 |
|  |       | 50  | 25 | 16.31 | 16.19 | 16.16 | 16.5 |
|  |       | 50  | 50 | 16.2  | 16.2  | 16.08 | 16.5 |
|  |       | 100 | 0  | 16.27 | 16.12 | 16.16 | 16.5 |
|  | 16QAM | 1   | 0  | 16.33 | 16.31 | 16.38 | 16.5 |
|  |       | 1   | 50 | 16.44 | 15.49 | 15.81 | 16.5 |
|  |       | 1   | 99 | 16.38 | 16.41 | 16.3  | 16.5 |
|  |       | 50  | 0  | 16.13 | 16.13 | 16.09 | 16.5 |
|  |       | 50  | 25 | 16.14 | 16.16 | 16.12 | 16.5 |
|  |       | 50  | 50 | 16.13 | 16.09 | 16.01 | 16.5 |
|  |       | 100 | 0  | 16.25 | 16.07 | 16.1  | 16.5 |
|  | 64QAM | 1   | 0  | 16.31 | 16.17 | 15.97 | 16.5 |
|  |       | 1   | 50 | 15.91 | 15.77 | 15.99 | 16.5 |
|  |       | 1   | 99 | 16.22 | 16.06 | 16.08 | 16.5 |
|  |       | 50  | 0  | 16.03 | 16.01 | 15.78 | 16.5 |
|  |       | 50  | 25 | 15.65 | 15.6  | 15.64 | 16.5 |
|  |       | 50  | 50 | 15.98 | 16.15 | 15.93 | 16.5 |
|  |       | 100 | 0  | 15.9  | 16.1  | 15.99 | 16.5 |

| LTE Band 4 Receiver on(Left head) + WiFi2.4G<br>Ant1 + WiFi5G Ant2 |            |            |              | Conducted Power(dBm) |         |         |         |
|--|------------|------------|--------------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|  |            |            |              | 19957                | 20175   | 20393   |         |
| 1.4MHz   | QPSK       | 1          | 0            | 17.36                | 17.18   | 17.14   | 17.5    |
|  |            | 1          | 2            | 15.83                | 16.82   | 16.39   | 17.5    |
|  |            | 1          | 5            | 17.25                | 17.25   | 17.11   | 17.5    |
|  |            | 3          | 0            | 16.92                | 16.82   | 17.03   | 17.5    |
|  |            | 3          | 2            | 17.38                | 16.57   | 17.16   | 17.5    |
|  |            | 3          | 3            | 17.2                 | 17.23   | 17.09   | 17.5    |
|  |            | 6          | 0            | 16.82                | 17.37   | 17.14   | 17.5    |
|  | 16QAM      | 1          | 0            | 17.44                | 17.39   | 17.35   | 17.5    |
|  |            | 1          | 2            | 17.27                | 17.16   | 16.89   | 17.5    |
|  |            | 1          | 5            | 17.31                | 17.46   | 17.04   | 17.5    |
|  |            | 3          | 0            | 17.41                | 17.39   | 17.07   | 17.5    |
|  |            | 3          | 2            | 17.31                | 17.37   | 17.48   | 17.5    |
|  |            | 3          | 3            | 17.28                | 17.24   | 17.23   | 17.5    |
|  |            | 6          | 0            | 16.69                | 16.98   | 17.01   | 17.5    |
|  | 64QAM      | 1          | 0            | 17.34                | 17.19   | 16.93   | 17.5    |
|  |            | 1          | 2            | 16.87                | 16.85   | 16.96   | 17.5    |
|  |            | 1          | 5            | 17.26                | 17.11   | 17.14   | 17.5    |
|  |            | 3          | 0            | 17.04                | 17.05   | 16.9    | 17.5    |
|  |            | 3          | 2            | 16.8                 | 16.73   | 16.69   | 17.5    |
|  |            | 3          | 3            | 17.12                | 17.22   | 17.02   | 17.5    |
|  |            | 6          | 0            | 16.89                | 17.06   | 17.07   | 17.5    |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 19965   | 20175   | 20385   |         |
| 3MHz      | QPSK       | 1       | 0         | 17.44   | 17.2    | 17.19   | 17.5    |
|           |            | 1       | 7         | 16.46   | 16.46   | 17.47   | 17.5    |
|           |            | 1       | 14        | 17.34   | 17.2    | 17.14   | 17.5    |
|           |            | 8       | 0         | 17.27   | 17.22   | 17.25   | 17.5    |
|           |            | 8       | 4         | 17.05   | 17.05   | 16.73   | 17.5    |
|           |            | 8       | 7         | 17.21   | 17.35   | 17.09   | 17.5    |
|           |            | 15      | 0         | 17.24   | 17.23   | 17.11   | 17.5    |
|           | 16QAM      | 1       | 0         | 17.44   | 17.39   | 17.47   | 17.5    |
|           |            | 1       | 7         | 17.01   | 16.6    | 16.09   | 17.5    |
|           |            | 1       | 14        | 17.44   | 17.41   | 17.43   | 17.5    |
|           |            | 8       | 0         | 17.27   | 17.08   | 17.16   | 17.5    |
|           |            | 8       | 4         | 17.28   | 17.31   | 17.3    | 17.5    |
|           |            | 8       | 7         | 17.23   | 17.24   | 16.79   | 17.5    |
|           |            | 15      | 0         | 17.37   | 17.19   | 17.01   | 17.5    |
|           | 64QAM      | 1       | 0         | 17.39   | 17.14   | 16.86   | 17.5    |
|           |            | 1       | 7         | 16.8    | 16.85   | 16.95   | 17.5    |
|           |            | 1       | 14        | 17.29   | 17.06   | 17.15   | 17.5    |
|           |            | 8       | 0         | 17.07   | 17.01   | 16.88   | 17.5    |
|           |            | 8       | 4         | 16.82   | 16.75   | 16.69   | 17.5    |
|           |            | 8       | 7         | 17.11   | 17.23   | 17.01   | 17.5    |
|           |            | 15      | 0         | 16.93   | 17.01   | 17.11   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.45   | 17.17   | 17.16   | 17.5    |
|           |            | 1       | 13        | 17.16   | 17.12   | 17.05   | 17.5    |
|           |            | 1       | 24        | 17.19   | 17.29   | 17.14   | 17.5    |
|           |            | 12      | 0         | 17.29   | 17.19   | 17.18   | 17.5    |
|           |            | 12      | 6         | 17.33   | 17.31   | 17.16   | 17.5    |
|           |            | 12      | 13        | 17.29   | 17.32   | 17.2    | 17.5    |
|           |            | 25      | 0         | 17.32   | 17.37   | 17.16   | 17.5    |
|           | 16QAM      | 1       | 0         | 17.38   | 17.3    | 17.25   | 17.5    |
|           |            | 1       | 13        | 17.36   | 17.37   | 17.36   | 17.5    |
|           |            | 1       | 24        | 17.31   | 17.29   | 17.32   | 17.5    |
|           |            | 12      | 0         | 17.44   | 17.3    | 17.17   | 17.5    |
|           |            | 12      | 6         | 17.35   | 17.16   | 17.12   | 17.5    |
|           |            | 12      | 13        | 17.35   | 17.29   | 17.11   | 17.5    |
|           |            | 25      | 0         | 17.23   | 17.21   | 17.09   | 17.5    |
|           | 64QAM      | 1       | 0         | 17.36   | 17.19   | 16.9    | 17.5    |
|           |            | 1       | 13        | 16.81   | 16.84   | 16.95   | 17.5    |
|           |            | 1       | 24        | 17.23   | 17.06   | 17.17   | 17.5    |
|           |            | 12      | 0         | 17.02   | 17.03   | 16.88   | 17.5    |
|           |            | 12      | 6         | 16.8    | 16.74   | 16.65   | 17.5    |
|           |            | 12      | 13        | 17.1    | 17.18   | 16.99   | 17.5    |
|           |            | 25      | 0         | 16.89   | 17.04   | 17.1    | 17.5    |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.33   | 17.26   | 17.18   | 17.5    |
|           |            | 1       | 25        | 17.04   | 16.91   | 17.12   | 17.5    |
|           |            | 1       | 49        | 17.21   | 17.19   | 16.96   | 17.5    |
|           |            | 25      | 0         | 17.28   | 17.18   | 17.12   | 17.5    |
|           |            | 25      | 13        | 17.22   | 17.2    | 17.17   | 17.5    |
|           |            | 25      | 25        | 17.18   | 17.17   | 17.11   | 17.5    |
|           |            | 50      | 0         | 17.28   | 17.17   | 17.17   | 17.5    |
|           | 16QAM      | 1       | 0         | 17.36   | 17.39   | 17.31   | 17.5    |
|           |            | 1       | 25        | 17.33   | 17.01   | 17.08   | 17.5    |
|           |            | 1       | 49        | 17.49   | 16.44   | 17.3    | 17.5    |
|           |            | 25      | 0         | 17.21   | 17.17   | 17.12   | 17.5    |
|           |            | 25      | 13        | 17.08   | 17.2    | 17.16   | 17.5    |
|           |            | 25      | 25        | 17.2    | 17.16   | 17.23   | 17.5    |
|           |            | 50      | 0         | 17.36   | 17.12   | 17.1    | 17.5    |
|           | 64QAM      | 1       | 0         | 17.33   | 17.2    | 16.89   | 17.5    |
|           |            | 1       | 25        | 16.85   | 16.78   | 16.91   | 17.5    |
|           |            | 1       | 49        | 17.3    | 17.05   | 17.14   | 17.5    |
|           |            | 25      | 0         | 17      | 16.99   | 16.91   | 17.5    |
|           |            | 25      | 13        | 16.75   | 16.76   | 16.61   | 17.5    |
|           |            | 25      | 25        | 17.14   | 17.22   | 16.98   | 17.5    |
|           |            | 50      | 0         | 16.92   | 17.06   | 17.15   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.33   | 17.34   | 17.02   | 17.5    |
|           |            | 1       | 38        | 17.46   | 17.37   | 17.29   | 17.5    |
|           |            | 1       | 74        | 17.19   | 17.07   | 17.08   | 17.5    |
|           |            | 36      | 0         | 17.28   | 17.22   | 17.14   | 17.5    |
|           |            | 36      | 18        | 17.3    | 17.25   | 17.28   | 17.5    |
|           |            | 36      | 39        | 17.23   | 17.23   | 17.09   | 17.5    |
|           |            | 75      | 0         | 17.29   | 17.27   | 17.16   | 17.5    |
|           | 16QAM      | 1       | 0         | 17.29   | 17.13   | 17.33   | 17.5    |
|           |            | 1       | 38        | 17.31   | 17.33   | 17.35   | 17.5    |
|           |            | 1       | 74        | 17.23   | 17.26   | 17.29   | 17.5    |
|           |            | 36      | 0         | 17.36   | 17.19   | 17.15   | 17.5    |
|           |            | 36      | 18        | 17.14   | 17.2    | 17.18   | 17.5    |
|           |            | 36      | 39        | 17.31   | 17.17   | 17.04   | 17.5    |
|           |            | 75      | 0         | 17.22   | 17.21   | 17.1    | 17.5    |
|           | 64QAM      | 1       | 0         | 17.4    | 17.17   | 16.94   | 17.5    |
|           |            | 1       | 38        | 16.81   | 16.83   | 16.9    | 17.5    |
|           |            | 1       | 74        | 17.3    | 17.11   | 17.17   | 17.5    |
|           |            | 36      | 0         | 17.07   | 16.98   | 16.86   | 17.5    |
|           |            | 36      | 18        | 16.75   | 16.71   | 16.69   | 17.5    |
|           |            | 36      | 39        | 17.09   | 17.16   | 16.97   | 17.5    |
|           |            | 75      | 0         | 16.88   | 17.03   | 17.15   | 17.5    |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.35   | 17.47   | 17.23   | 17.5    |
|           |            | 1       | 50        | 16.66   | 16.78   | 16.37   | 17.5    |
|           |            | 1       | 99        | 17.33   | 17.14   | 17.09   | 17.5    |
|           |            | 50      | 0         | 17.36   | 17.24   | 17.25   | 17.5    |
|           |            | 50      | 25        | 17.3    | 17.19   | 17.13   | 17.5    |
|           |            | 50      | 50        | 17.22   | 17.2    | 17.2    | 17.5    |
|           |            | 100     | 0         | 17.32   | 17.28   | 17.27   | 17.5    |
|           | 16QAM      | 1       | 0         | 17.39   | 17.37   | 17.32   | 17.5    |
|           |            | 1       | 50        | 17.24   | 17.27   | 17.22   | 17.5    |
|           |            | 1       | 99        | 17.28   | 17.33   | 17.23   | 17.5    |
|           |            | 50      | 0         | 17.24   | 17.14   | 17.19   | 17.5    |
|           |            | 50      | 25        | 17.26   | 17.19   | 17.11   | 17.5    |
|           |            | 50      | 50        | 17.14   | 17.09   | 17.03   | 17.5    |
|           |            | 100     | 0         | 17.24   | 17.13   | 17.1    | 17.5    |
|           | 64QAM      | 1       | 0         | 17.31   | 17.18   | 16.95   | 17.5    |
|           |            | 1       | 50        | 16.85   | 16.86   | 17      | 17.5    |
|           |            | 1       | 99        | 17.29   | 17.14   | 17.16   | 17.5    |
|           |            | 50      | 0         | 17.03   | 17.03   | 16.85   | 17.5    |
|           |            | 50      | 25        | 16.75   | 16.69   | 16.69   | 17.5    |
|           |            | 50      | 50        | 17.1    | 17.2    | 16.94   | 17.5    |
|           |            | 100     | 0         | 16.86   | 17.03   | 17.09   | 17.5    |

| LTE Band 4 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2 |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 14.91                | 14.77   | 14.45   | 15      |
|  |            | 1       | 2         | 13.89                | 14.66   | 13.88   | 15      |
|  |            | 1       | 5         | 14.84                | 14.74   | 14.62   | 15      |
|  |            | 3       | 0         | 14.65                | 14.86   | 14.47   | 15      |
|  |            | 3       | 2         | 13.94                | 14.48   | 14.12   | 15      |
|  |            | 3       | 3         | 14.97                | 14.64   | 14.66   | 15      |
|  |            | 6       | 0         | 14.35                | 14.49   | 14.16   | 15      |
|  | 16QAM      | 1       | 0         | 14.89                | 14.87   | 14.92   | 15      |
|  |            | 1       | 2         | 14.96                | 13.83   | 14.92   | 15      |
|  |            | 1       | 5         | 14.54                | 14.49   | 14.73   | 15      |
|  |            | 3       | 0         | 14.52                | 14.66   | 14.46   | 15      |
|  |            | 3       | 2         | 14.85                | 14.62   | 14.39   | 15      |
|  |            | 3       | 3         | 14.59                | 14.58   | 14.21   | 15      |
|  |            | 6       | 0         | 14.41                | 14.93   | 14.55   | 15      |
|  | 64QAM      | 1       | 0         | 14.8                 | 14.6    | 14.42   | 15      |
|  |            | 1       | 2         | 14.34                | 14.31   | 14.47   | 15      |
|  |            | 1       | 5         | 14.71                | 14.58   | 14.61   | 15      |
|  |            | 3       | 0         | 14.52                | 14.46   | 14.34   | 15      |

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|           |            | 3       | 2         | 14.23   | 14.12   | 14.17   | 15      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 3         | 14.54   | 14.67   | 14.43   | 15      |
|           |            | 6       | 0         | 14.35   | 14.46   | 14.55   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19965   | 20175   | 20385   |         |
| 3MHz      | QPSK       | 1       | 0         | 14.93   | 14.73   | 14.63   | 15      |
|           |            | 1       | 7         | 13.37   | 14.29   | 14.16   | 15      |
|           |            | 1       | 14        | 14.76   | 14.82   | 14.54   | 15      |
|           |            | 8       | 0         | 14.81   | 14.76   | 14.68   | 15      |
|           |            | 8       | 4         | 14.73   | 14.6    | 14.64   | 15      |
|           |            | 8       | 7         | 14.65   | 14.78   | 14.53   | 15      |
|           |            | 15      | 0         | 14.76   | 14.86   | 14.62   | 15      |
|           | 16QAM      | 1       | 0         | 14.95   | 14.93   | 14.97   | 15      |
|           |            | 1       | 7         | 14.58   | 14.81   | 13.79   | 15      |
|           |            | 1       | 14        | 14.88   | 14.87   | 14.93   | 15      |
|           |            | 8       | 0         | 14.58   | 14.76   | 14.69   | 15      |
|           |            | 8       | 4         | 14.5    | 14.74   | 14.51   | 15      |
|           |            | 8       | 7         | 14.73   | 14.42   | 14.5    | 15      |
|           |            | 15      | 0         | 14.72   | 14.6    | 14.77   | 15      |
|           | 64QAM      | 1       | 0         | 14.79   | 14.67   | 14.4    | 15      |
|           |            | 1       | 7         | 14.3    | 14.33   | 14.45   | 15      |
|           |            | 1       | 14        | 14.72   | 14.62   | 14.64   | 15      |
|           |            | 8       | 0         | 14.47   | 14.46   | 14.29   | 15      |
|           |            | 8       | 4         | 14.2    | 14.12   | 14.17   | 15      |
|           |            | 8       | 7         | 14.56   | 14.69   | 14.41   | 15      |
|           |            | 15      | 0         | 14.31   | 14.48   | 14.52   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 14.94   | 14.57   | 14.62   | 15      |
|           |            | 1       | 13        | 14.87   | 14.72   | 14.53   | 15      |
|           |            | 1       | 24        | 14.66   | 14.74   | 14.52   | 15      |
|           |            | 12      | 0         | 14.81   | 14.72   | 14.61   | 15      |
|           |            | 12      | 6         | 14.8    | 14.69   | 14.7    | 15      |
|           |            | 12      | 13        | 14.73   | 14.74   | 14.68   | 15      |
|           |            | 25      | 0         | 14.66   | 14.7    | 14.6    | 15      |
|           | 16QAM      | 1       | 0         | 14.83   | 14.85   | 14.99   | 15      |
|           |            | 1       | 13        | 14.78   | 14.5    | 14.85   | 15      |
|           |            | 1       | 24        | 14.74   | 14.69   | 14.63   | 15      |
|           |            | 12      | 0         | 14.7    | 14.84   | 14.54   | 15      |
|           |            | 12      | 6         | 14.66   | 14.55   | 14.58   | 15      |
|           |            | 12      | 13        | 14.71   | 14.74   | 14.56   | 15      |
|           |            | 25      | 0         | 14.74   | 14.6    | 14.46   | 15      |
|           | 64QAM      | 1       | 0         | 14.8    | 14.66   | 14.44   | 15      |
|           |            | 1       | 13        | 14.31   | 14.35   | 14.49   | 15      |
|           |            | 1       | 24        | 14.77   | 14.59   | 14.63   | 15      |
|           |            | 12      | 0         | 14.52   | 14.48   | 14.33   | 15      |
|           |            | 12      | 6         | 14.19   | 14.17   | 14.16   | 15      |

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|           |            | 12      | 13        | 14.59   | 14.7    | 14.36   | 15      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 14.35   | 14.5    | 14.53   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 14.92   | 14.66   | 14.72   | 15      |
|           |            | 1       | 25        | 14.03   | 14.2    | 14.58   | 15      |
|           |            | 1       | 49        | 14.87   | 14.51   | 14.52   | 15      |
|           |            | 25      | 0         | 14.81   | 14.7    | 14.67   | 15      |
|           |            | 25      | 13        | 14.8    | 14.66   | 14.61   | 15      |
|           |            | 25      | 25        | 14.77   | 14.72   | 14.72   | 15      |
|           |            | 50      | 0         | 14.84   | 14.7    | 14.6    | 15      |
|           | 16QAM      | 1       | 0         | 14.92   | 14.96   | 14.94   | 15      |
|           |            | 1       | 25        | 14.64   | 13.92   | 14.83   | 15      |
|           |            | 1       | 49        | 14.87   | 14.89   | 14.85   | 15      |
|           |            | 25      | 0         | 14.77   | 14.65   | 14.54   | 15      |
|           |            | 25      | 13        | 14.65   | 14.7    | 14.58   | 15      |
|           |            | 25      | 25        | 14.72   | 14.61   | 14.55   | 15      |
|           |            | 50      | 0         | 14.69   | 14.56   | 14.59   | 15      |
|           | 64QAM      | 1       | 0         | 14.77   | 14.65   | 14.42   | 15      |
|           |            | 1       | 25        | 14.29   | 14.29   | 14.49   | 15      |
|           |            | 1       | 49        | 14.73   | 14.64   | 14.65   | 15      |
|           |            | 25      | 0         | 14.49   | 14.48   | 14.34   | 15      |
|           |            | 25      | 13        | 14.23   | 14.11   | 14.13   | 15      |
|           |            | 25      | 25        | 14.58   | 14.68   | 14.41   | 15      |
|           |            | 50      | 0         | 14.35   | 14.47   | 14.55   | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 14.83   | 14.72   | 14.6    | 15      |
|           |            | 1       | 38        | 14.94   | 14.81   | 14.74   | 15      |
|           |            | 1       | 74        | 14.66   | 14.64   | 14.5    | 15      |
|           |            | 36      | 0         | 14.85   | 14.78   | 14.73   | 15      |
|           |            | 36      | 18        | 14.84   | 14.68   | 14.77   | 15      |
|           |            | 36      | 39        | 14.69   | 14.65   | 14.59   | 15      |
|           |            | 75      | 0         | 14.69   | 14.68   | 14.64   | 15      |
|           | 16QAM      | 1       | 0         | 14.93   | 14.89   | 14.91   | 15      |
|           |            | 1       | 38        | 14.86   | 14.84   | 14.9    | 15      |
|           |            | 1       | 74        | 14.84   | 14.78   | 14.64   | 15      |
|           |            | 36      | 0         | 14.71   | 14.73   | 14.48   | 15      |
|           |            | 36      | 18        | 14.73   | 14.63   | 14.63   | 15      |
|           |            | 36      | 39        | 14.64   | 14.71   | 14.58   | 15      |
|           |            | 75      | 0         | 14.64   | 14.46   | 14.61   | 15      |
|           | 64QAM      | 1       | 0         | 14.79   | 14.61   | 14.43   | 15      |
|           |            | 1       | 38        | 14.31   | 14.34   | 14.43   | 15      |
|           |            | 1       | 74        | 14.79   | 14.61   | 14.61   | 15      |
|           |            | 36      | 0         | 14.52   | 14.5    | 14.28   | 15      |
|           |            | 36      | 18        | 14.2    | 14.12   | 14.15   | 15      |
|           |            | 36      | 39        | 14.56   | 14.66   | 14.4    | 15      |

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| Bandwidth | Modulation | 75      | 0         | 14.34   | 14.49   | 14.56   | 15      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 14.97   | 14.97   | 14.82   | 15      |
|           |            | 1       | 50        | 14.32   | 14.54   | 14.98   | 15      |
|           |            | 1       | 99        | 14.68   | 14.64   | 14.68   | 15      |
|           |            | 50      | 0         | 14.81   | 14.75   | 14.62   | 15      |
|           |            | 50      | 25        | 14.77   | 14.63   | 14.61   | 15      |
|           |            | 50      | 50        | 14.76   | 14.6    | 14.67   | 15      |
|           |            | 100     | 0         | 14.71   | 14.74   | 14.63   | 15      |
|           | 16QAM      | 1       | 0         | 14.93   | 14.91   | 14.89   | 15      |
|           |            | 1       | 50        | 14.94   | 14.98   | 14.88   | 15      |
|           |            | 1       | 99        | 14.88   | 14.92   | 14.9    | 15      |
|           |            | 50      | 0         | 14.76   | 14.73   | 14.65   | 15      |
|           |            | 50      | 25        | 14.59   | 14.65   | 14.63   | 15      |
|           |            | 50      | 50        | 14.57   | 14.56   | 14.51   | 15      |
|           |            | 100     | 0         | 14.7    | 14.54   | 14.55   | 15      |
|           | 64QAM      | 1       | 0         | 14.78   | 14.66   | 14.37   | 15      |
|           |            | 1       | 50        | 14.31   | 14.35   | 14.48   | 15      |
|           |            | 1       | 99        | 14.76   | 14.63   | 14.65   | 15      |
|           |            | 50      | 0         | 14.49   | 14.5    | 14.3    | 15      |
|           |            | 50      | 25        | 14.22   | 14.18   | 14.15   | 15      |
|           |            | 50      | 50        | 14.57   | 14.63   | 14.39   | 15      |
|           |            | 100     | 0         | 14.33   | 14.52   | 14.57   | 15      |

| LTE Band 4 Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2 |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 18.45                | 18.33   | 18.19   | 18.5    |
|   |            | 1       | 2         | 17.93                | 17.77   | 17.48   | 18.5    |
|   |            | 1       | 5         | 18.39                | 18.34   | 18.17   | 18.5    |
|   |            | 3       | 0         | 18.08                | 18.16   | 18.02   | 18.5    |
|   |            | 3       | 2         | 17.76                | 18.28   | 18.16   | 18.5    |
|   |            | 3       | 3         | 18.26                | 17.54   | 18.09   | 18.5    |
|   |            | 6       | 0         | 18.25                | 18.14   | 18.23   | 18.5    |
|   | 16QAM      | 1       | 0         | 18.35                | 18.46   | 18.33   | 18.5    |
|   |            | 1       | 2         | 18.37                | 18.12   | 18.48   | 18.5    |
|   |            | 1       | 5         | 18.36                | 17.78   | 18.47   | 18.5    |
|   |            | 3       | 0         | 18.3                 | 18.32   | 18.12   | 18.5    |
|   |            | 3       | 2         | 17.77                | 18.02   | 17.35   | 18.5    |
|   |            | 3       | 3         | 18.22                | 18.22   | 18.06   | 18.5    |
|   |            | 6       | 0         | 18.28                | 18.22   | 18.02   | 18.5    |
|   | 64QAM      | 1       | 0         | 18.32                | 18.16   | 18.02   | 18.5    |
|   |            | 1       | 2         | 17.92                | 17.85   | 18      | 18.5    |
|   |            | 1       | 5         | 18.28                | 18.13   | 18.13   | 18.5    |

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|           |            | 3       | 0         | 18.06   | 18.02   | 17.9    | 18.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 2         | 17.77   | 17.71   | 17.71   | 18.5    |
|           |            | 3       | 3         | 18.07   | 18.19   | 17.97   | 18.5    |
|           |            | 6       | 0         | 17.86   | 18.03   | 18.08   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19965   | 20175   | 20385   |         |
| 3MHz      | QPSK       | 1       | 0         | 18.27   | 18.09   | 18.07   | 18.5    |
|           |            | 1       | 7         | 17.63   | 17.5    | 18.27   | 18.5    |
|           |            | 1       | 14        | 18.23   | 18.15   | 18.07   | 18.5    |
|           |            | 8       | 0         | 18.31   | 18.13   | 18.25   | 18.5    |
|           |            | 8       | 4         | 17.86   | 17.96   | 18.09   | 18.5    |
|           |            | 8       | 7         | 18.27   | 18.29   | 18.41   | 18.5    |
|           |            | 15      | 0         | 18.35   | 18.18   | 18.12   | 18.5    |
|           | 16QAM      | 1       | 0         | 18.37   | 18.33   | 18.39   | 18.5    |
|           |            | 1       | 7         | 18.17   | 17.72   | 18.34   | 18.5    |
|           |            | 1       | 14        | 18.34   | 18.3    | 18.14   | 18.5    |
|           |            | 8       | 0         | 18.29   | 18.14   | 17.8    | 18.5    |
|           |            | 8       | 4         | 18.17   | 18.26   | 17.94   | 18.5    |
|           |            | 8       | 7         | 18.21   | 18.06   | 18.19   | 18.5    |
|           |            | 15      | 0         | 18.3    | 18.2    | 17.95   | 18.5    |
|           | 64QAM      | 1       | 0         | 18.32   | 18.16   | 18.02   | 18.5    |
|           |            | 1       | 7         | 17.92   | 17.85   | 18      | 18.5    |
|           |            | 1       | 14        | 18.28   | 18.13   | 18.13   | 18.5    |
|           |            | 8       | 0         | 18.06   | 18.02   | 17.9    | 18.5    |
|           |            | 8       | 4         | 17.77   | 17.71   | 17.71   | 18.5    |
|           |            | 8       | 7         | 18.07   | 18.19   | 17.97   | 18.5    |
|           |            | 15      | 0         | 17.86   | 18.03   | 18.08   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 18.23   | 18.21   | 18.04   | 18.5    |
|           |            | 1       | 13        | 18.39   | 18.39   | 18.11   | 18.5    |
|           |            | 1       | 24        | 18.13   | 18.13   | 18.04   | 18.5    |
|           |            | 12      | 0         | 18.36   | 18.32   | 18.18   | 18.5    |
|           |            | 12      | 6         | 18.33   | 18.16   | 18.12   | 18.5    |
|           |            | 12      | 13        | 18.25   | 18.32   | 18.1    | 18.5    |
|           |            | 25      | 0         | 18.27   | 18.23   | 18.12   | 18.5    |
|           | 16QAM      | 1       | 0         | 18.35   | 18.37   | 18.31   | 18.5    |
|           |            | 1       | 13        | 18.29   | 18.32   | 18.17   | 18.5    |
|           |            | 1       | 24        | 18.32   | 18.3    | 18.15   | 18.5    |
|           |            | 12      | 0         | 18.4    | 18.25   | 18.23   | 18.5    |
|           |            | 12      | 6         | 18.19   | 18.2    | 18.23   | 18.5    |
|           |            | 12      | 13        | 18.2    | 18.2    | 18.14   | 18.5    |
|           |            | 25      | 0         | 18.29   | 18.22   | 18.02   | 18.5    |
|           | 64QAM      | 1       | 0         | 18.32   | 18.16   | 18.02   | 18.5    |
|           |            | 1       | 13        | 17.92   | 17.85   | 18      | 18.5    |
|           |            | 1       | 24        | 18.28   | 18.13   | 18.13   | 18.5    |
|           |            | 12      | 0         | 18.06   | 18.02   | 17.9    | 18.5    |

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|           |            | 12      | 6         | 17.77   | 17.71   | 17.71   | 18.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 13        | 18.07   | 18.19   | 17.97   | 18.5    |
|           |            | 25      | 0         | 17.86   | 18.03   | 18.08   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.25   | 18.33   | 18.35   | 18.5    |
|           |            | 1       | 25        | 18.17   | 18.16   | 18.21   | 18.5    |
|           |            | 1       | 49        | 18.14   | 18.11   | 18.04   | 18.5    |
|           |            | 25      | 0         | 18.35   | 18.21   | 18.25   | 18.5    |
|           |            | 25      | 13        | 18.21   | 18.25   | 18.24   | 18.5    |
|           |            | 25      | 25        | 18.21   | 18.26   | 18.16   | 18.5    |
|           |            | 50      | 0         | 18.22   | 18.3    | 18.12   | 18.5    |
|           | 16QAM      | 1       | 0         | 18.2    | 18.36   | 18.38   | 18.5    |
|           |            | 1       | 25        | 18.39   | 18.41   | 18.34   | 18.5    |
|           |            | 1       | 49        | 18.37   | 18.36   | 18.21   | 18.5    |
|           |            | 25      | 0         | 18.15   | 18.23   | 18.08   | 18.5    |
|           |            | 25      | 13        | 18.15   | 18.29   | 18.15   | 18.5    |
|           |            | 25      | 25        | 18.35   | 18.22   | 18.06   | 18.5    |
|           |            | 50      | 0         | 18.12   | 18.15   | 18.1    | 18.5    |
|           | 64QAM      | 1       | 0         | 18.32   | 18.16   | 18.02   | 18.5    |
|           |            | 1       | 25        | 17.92   | 17.85   | 18      | 18.5    |
|           |            | 1       | 49        | 18.28   | 18.13   | 18.13   | 18.5    |
|           |            | 25      | 0         | 18.06   | 18.02   | 17.9    | 18.5    |
|           |            | 25      | 13        | 17.77   | 17.71   | 17.71   | 18.5    |
|           |            | 25      | 25        | 18.07   | 18.19   | 17.97   | 18.5    |
|           |            | 50      | 0         | 17.86   | 18.03   | 18.08   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.06   | 18.32   | 18.2    | 18.5    |
|           |            | 1       | 38        | 18.06   | 17.94   | 17.94   | 18.5    |
|           |            | 1       | 74        | 18.19   | 17.95   | 17.85   | 18.5    |
|           |            | 36      | 0         | 18.29   | 18.19   | 18.22   | 18.5    |
|           |            | 36      | 18        | 18.21   | 18.22   | 18.26   | 18.5    |
|           |            | 36      | 39        | 18.17   | 18.19   | 18.18   | 18.5    |
|           |            | 75      | 0         | 18.34   | 18.22   | 18.12   | 18.5    |
|           | 16QAM      | 1       | 0         | 18.48   | 18.31   | 18.39   | 18.5    |
|           |            | 1       | 38        | 18.38   | 18.28   | 18.25   | 18.5    |
|           |            | 1       | 74        | 18.39   | 18.33   | 18.36   | 18.5    |
|           |            | 36      | 0         | 18.19   | 18.23   | 18.16   | 18.5    |
|           |            | 36      | 18        | 18.12   | 18.18   | 18.07   | 18.5    |
|           |            | 36      | 39        | 18.26   | 18.15   | 18.09   | 18.5    |
|           |            | 75      | 0         | 18.14   | 18.06   | 18.1    | 18.5    |
|           | 64QAM      | 1       | 0         | 18.32   | 18.16   | 18.02   | 18.5    |
|           |            | 1       | 38        | 17.92   | 17.85   | 18      | 18.5    |
|           |            | 1       | 74        | 18.28   | 18.13   | 18.13   | 18.5    |
|           |            | 36      | 0         | 18.06   | 18.02   | 17.9    | 18.5    |
|           |            | 36      | 18        | 17.77   | 17.71   | 17.71   | 18.5    |

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|           |            | 36      | 39        | 18.07   | 18.19   | 17.97   | 18.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 75      | 0         | 17.86   | 18.03   | 18.08   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.35   | 18.38   | 18.33   | 18.5    |
|           |            | 1       | 50        | 18.44   | 18.41   | 18.08   | 18.5    |
|           |            | 1       | 99        | 18.28   | 18.28   | 18.06   | 18.5    |
|           |            | 50      | 0         | 18.36   | 18.21   | 18.21   | 18.5    |
|           |            | 50      | 25        | 18.21   | 18.26   | 18.22   | 18.5    |
|           |            | 50      | 50        | 18.25   | 18.26   | 18.15   | 18.5    |
|           |            | 100     | 0         | 18.32   | 18.19   | 18.22   | 18.5    |
|           | 16QAM      | 1       | 0         | 18.22   | 18.33   | 18.38   | 18.5    |
|           |            | 1       | 50        | 18.01   | 17.67   | 17.65   | 18.5    |
|           |            | 1       | 99        | 18.42   | 18.42   | 18.45   | 18.5    |
|           |            | 50      | 0         | 18.27   | 18.17   | 18.14   | 18.5    |
|           |            | 50      | 25        | 18.13   | 18.26   | 18.12   | 18.5    |
|           |            | 50      | 50        | 18.13   | 18.1    | 18.08   | 18.5    |
|           |            | 100     | 0         | 18.24   | 18.1    | 18.15   | 18.5    |
|           | 64QAM      | 1       | 0         | 18.32   | 18.16   | 18.02   | 18.5    |
|           |            | 1       | 50        | 17.92   | 17.85   | 18      | 18.5    |
|           |            | 1       | 99        | 18.28   | 18.13   | 18.13   | 18.5    |
|           |            | 50      | 0         | 18.06   | 18.02   | 17.9    | 18.5    |
|           |            | 50      | 25        | 17.77   | 17.71   | 17.71   | 18.5    |
|           |            | 50      | 50        | 18.07   | 18.19   | 17.97   | 18.5    |
|           |            | 100     | 0         | 17.86   | 18.03   | 18.08   | 18.5    |

| LTE Band 5 Receiver on(Left head) |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                         | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                   |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                            | QPSK       | 1       | 0         | 19.67                | 19.68   | 19.56   | 20.5    |
|                                   |            | 1       | 2         | 19.3                 | 18.94   | 19.34   | 20.5    |
|                                   |            | 1       | 5         | 19.71                | 19.64   | 19.56   | 20.5    |
|                                   |            | 3       | 0         | 19.68                | 19.59   | 19.48   | 20.5    |
|                                   |            | 3       | 2         | 19.53                | 19.6    | 19.38   | 20.5    |
|                                   |            | 3       | 3         | 19.51                | 19.5    | 19.46   | 20.5    |
|                                   |            | 6       | 0         | 19.69                | 19.55   | 19.51   | 20.5    |
|                                   | 16QAM      | 1       | 0         | 19.99                | 19.92   | 19.76   | 20.5    |
|                                   |            | 1       | 2         | 19.76                | 19.7    | 19.69   | 20.5    |
|                                   |            | 1       | 5         | 19.9                 | 19.83   | 19.78   | 20.5    |
|                                   |            | 3       | 0         | 19.52                | 19.54   | 19.54   | 20.5    |
|                                   |            | 3       | 2         | 19.53                | 19.56   | 19.4    | 20.5    |
|                                   |            | 3       | 3         | 19.65                | 19.6    | 19.49   | 20.5    |
|                                   |            | 6       | 0         | 19.54                | 19.59   | 19.53   | 20.5    |
|                                   | 64QAM      | 1       | 0         | 19.81                | 19.65   | 19.77   | 20.5    |
|                                   |            | 1       | 2         | 19.4                 | 19.43   | 19.5    | 20.5    |

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|           |            | 1       | 5         | 19.82         | 19.61         | 19.57         | 20.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 3       | 0         | 19.59         | 19.59         | 19.54         | 20.5    |
|           |            | 3       | 2         | 19.59         | 19.54         | 19.48         | 20.5    |
|           |            | 3       | 3         | 19.56         | 19.53         | 19.52         | 20.5    |
|           |            | 6       | 0         | 19.51         | 19.59         | 19.42         | 20.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20415 | Channel 20525 | Channel 20635 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 19.72         | 19.65         | 19.56         | 20.5    |
|           |            | 1       | 7         | 19.47         | 19.35         | 18.92         | 20.5    |
|           |            | 1       | 14        | 19.63         | 19.66         | 19.54         | 20.5    |
|           |            | 8       | 0         | 19.66         | 19.56         | 19.53         | 20.5    |
|           |            | 8       | 4         | 19.59         | 19.56         | 19.5          | 20.5    |
|           |            | 8       | 7         | 19.64         | 19.56         | 19.56         | 20.5    |
|           |            | 15      | 0         | 19.58         | 19.62         | 19.53         | 20.5    |
|           | 16QAM      | 1       | 0         | 19.98         | 19.87         | 19.84         | 20.5    |
|           |            | 1       | 7         | 19.5          | 19.75         | 19.68         | 20.5    |
|           |            | 1       | 14        | 19.89         | 19.93         | 19.85         | 20.5    |
|           |            | 8       | 0         | 19.61         | 19.59         | 19.51         | 20.5    |
|           |            | 8       | 4         | 19.55         | 19.59         | 19.57         | 20.5    |
|           |            | 8       | 7         | 19.6          | 19.57         | 19.53         | 20.5    |
|           |            | 15      | 0         | 19.54         | 19.63         | 19.56         | 20.5    |
|           | 64QAM      | 1       | 0         | 19.84         | 19.63         | 19.79         | 20.5    |
|           |            | 1       | 7         | 19.49         | 19.4          | 19.46         | 20.5    |
|           |            | 1       | 14        | 19.79         | 19.63         | 19.62         | 20.5    |
|           |            | 8       | 0         | 19.54         | 19.5          | 19.52         | 20.5    |
|           |            | 8       | 4         | 19.64         | 19.62         | 19.43         | 20.5    |
|           |            | 8       | 7         | 19.55         | 19.55         | 19.52         | 20.5    |
|           |            | 15      | 0         | 19.55         | 19.56         | 19.46         | 20.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20425 | Channel 20525 | Channel 20625 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 19.71         | 19.63         | 19.62         | 20.5    |
|           |            | 1       | 13        | 19.63         | 19.64         | 19.54         | 20.5    |
|           |            | 1       | 24        | 19.65         | 19.62         | 19.59         | 20.5    |
|           |            | 12      | 0         | 19.65         | 19.68         | 19.67         | 20.5    |
|           |            | 12      | 6         | 19.59         | 19.61         | 19.53         | 20.5    |
|           |            | 12      | 13        | 19.71         | 19.71         | 19.65         | 20.5    |
|           |            | 25      | 0         | 19.65         | 19.6          | 19.62         | 20.5    |
|           | 16QAM      | 1       | 0         | 19.98         | 19.92         | 19.89         | 20.5    |
|           |            | 1       | 13        | 19.92         | 19.88         | 19.84         | 20.5    |
|           |            | 1       | 24        | 19.91         | 19.87         | 19.77         | 20.5    |
|           |            | 12      | 0         | 19.63         | 19.66         | 19.63         | 20.5    |
|           |            | 12      | 6         | 19.56         | 19.56         | 19.52         | 20.5    |
|           |            | 12      | 13        | 19.67         | 19.66         | 19.55         | 20.5    |
|           |            | 25      | 0         | 19.59         | 19.61         | 19.57         | 20.5    |
|           | 64QAM      | 1       | 0         | 19.82         | 19.6          | 19.83         | 20.5    |
|           |            | 1       | 13        | 19.4          | 19.38         | 19.43         | 20.5    |
|           |            | 1       | 24        | 19.75         | 19.68         | 19.66         | 20.5    |

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|           |            | 12      | 0         | 19.59   | 19.59   | 19.54   | 20.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 6         | 19.53   | 19.62   | 19.48   | 20.5    |
|           |            | 12      | 13        | 19.56   | 19.55   | 19.47   | 20.5    |
|           |            | 25      | 0         | 19.57   | 19.59   | 19.49   | 20.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.66   | 19.61   | 19.6    | 20.5    |
|           |            | 1       | 25        | 19.35   | 19.48   | 19.45   | 20.5    |
|           |            | 1       | 49        | 19.66   | 19.61   | 19.57   | 20.5    |
|           |            | 25      | 0         | 19.64   | 19.61   | 19.6    | 20.5    |
|           |            | 25      | 13        | 19.62   | 19.63   | 19.59   | 20.5    |
|           |            | 25      | 25        | 19.69   | 19.6    | 19.62   | 20.5    |
|           |            | 50      | 0         | 19.65   | 19.66   | 19.59   | 20.5    |
|           | 16QAM      | 1       | 0         | 19.93   | 19.88   | 19.92   | 20.5    |
|           |            | 1       | 25        | 19.55   | 19.52   | 19.6    | 20.5    |
|           |            | 1       | 49        | 19.77   | 19.94   | 19.85   | 20.5    |
|           |            | 25      | 0         | 19.61   | 19.58   | 19.58   | 20.5    |
|           |            | 25      | 13        | 19.62   | 19.63   | 19.57   | 20.5    |
|           |            | 25      | 25        | 19.56   | 19.59   | 19.55   | 20.5    |
|           |            | 50      | 0         | 19.58   | 19.59   | 19.52   | 20.5    |
|           | 64QAM      | 1       | 0         | 19.91   | 19.7    | 19.86   | 20.5    |
|           |            | 1       | 25        | 19.5    | 19.47   | 19.51   | 20.5    |
|           |            | 1       | 49        | 19.87   | 19.7    | 19.67   | 20.5    |
|           |            | 25      | 0         | 19.65   | 19.62   | 19.6    | 20.5    |
|           |            | 25      | 13        | 19.64   | 19.65   | 19.53   | 20.5    |
|           |            | 25      | 25        | 19.62   | 19.58   | 19.53   | 20.5    |
|           |            | 50      | 0         | 19.62   | 19.62   | 19.52   | 20.5    |

| LTE Band 5 Receiver on(Right head) |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                             | QPSK       | 1       | 0         | 19.75                | 19.67   | 19.59   | 20.5    |
|                                    |            | 1       | 2         | 19.44                | 19.3    | 18.94   | 20.5    |
|                                    |            | 1       | 5         | 19.71                | 19.59   | 19.57   | 20.5    |
|                                    |            | 3       | 0         | 19.69                | 19.59   | 19.48   | 20.5    |
|                                    |            | 3       | 2         | 19.45                | 19.5    | 19.4    | 20.5    |
|                                    |            | 3       | 3         | 19.55                | 19.56   | 19.44   | 20.5    |
|                                    |            | 6       | 0         | 19.56                | 19.57   | 19.45   | 20.5    |
|                                    | 16QAM      | 1       | 0         | 19.94                | 19.8    | 19.78   | 20.5    |
|                                    |            | 1       | 2         | 19.47                | 19.65   | 19.53   | 20.5    |
|                                    |            | 1       | 5         | 19.9                 | 19.88   | 19.91   | 20.5    |
|                                    |            | 3       | 0         | 19.67                | 19.61   | 19.47   | 20.5    |
|                                    |            | 3       | 2         | 19.46                | 19.54   | 19.41   | 20.5    |
|                                    |            | 3       | 3         | 19.57                | 19.55   | 19.38   | 20.5    |
|                                    |            | 6       | 0         | 19.64                | 19.54   | 19.44   | 20.5    |

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|           | 64QAM      | 1       | 0         | 19.81            | 19.65            | 19.77            | 20.5    |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 2         | 19.4             | 19.43            | 19.5             | 20.5    |
|           |            | 1       | 5         | 19.82            | 19.61            | 19.57            | 20.5    |
|           |            | 3       | 0         | 19.59            | 19.59            | 19.54            | 20.5    |
|           |            | 3       | 2         | 19.59            | 19.54            | 19.48            | 20.5    |
|           |            | 3       | 3         | 19.56            | 19.53            | 19.52            | 20.5    |
|           |            | 6       | 0         | 19.51            | 19.59            | 19.42            | 20.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20415 | Channel<br>20525 | Channel<br>20635 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 19.68            | 19.61            | 19.53            | 20.5    |
|           |            | 1       | 7         | 19.58            | 19.39            | 19.05            | 20.5    |
|           |            | 1       | 14        | 19.63            | 19.59            | 19.58            | 20.5    |
|           |            | 8       | 0         | 19.62            | 19.57            | 19.48            | 20.5    |
|           |            | 8       | 4         | 19.57            | 19.59            | 19.53            | 20.5    |
|           |            | 8       | 7         | 19.54            | 19.66            | 19.52            | 20.5    |
|           |            | 15      | 0         | 19.63            | 19.64            | 19.54            | 20.5    |
|           |            | 1       | 0         | 19.95            | 19.92            | 19.86            | 20.5    |
|           | 16QAM      | 1       | 7         | 19.29            | 19.35            | 19.23            | 20.5    |
|           |            | 1       | 14        | 19.96            | 19.93            | 19.92            | 20.5    |
|           |            | 8       | 0         | 19.58            | 19.57            | 19.44            | 20.5    |
|           |            | 8       | 4         | 19.56            | 19.61            | 19.34            | 20.5    |
|           |            | 8       | 7         | 19.55            | 19.55            | 19.51            | 20.5    |
|           |            | 15      | 0         | 19.57            | 19.55            | 19.5             | 20.5    |
|           |            | 1       | 0         | 19.84            | 19.63            | 19.79            | 20.5    |
|           |            | 1       | 7         | 19.49            | 19.4             | 19.46            | 20.5    |
|           | 64QAM      | 1       | 14        | 19.79            | 19.63            | 19.62            | 20.5    |
|           |            | 8       | 0         | 19.54            | 19.5             | 19.52            | 20.5    |
|           |            | 8       | 4         | 19.64            | 19.62            | 19.43            | 20.5    |
|           |            | 8       | 7         | 19.55            | 19.55            | 19.52            | 20.5    |
|           |            | 15      | 0         | 19.55            | 19.56            | 19.46            | 20.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20425 | Channel<br>20525 | Channel<br>20625 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 19.66            | 19.6             | 19.51            | 20.5    |
|           |            | 1       | 13        | 19.61            | 19.57            | 19.52            | 20.5    |
|           |            | 1       | 24        | 19.62            | 19.62            | 19.53            | 20.5    |
|           |            | 12      | 0         | 19.66            | 19.63            | 19.64            | 20.5    |
|           |            | 12      | 6         | 19.61            | 19.6             | 19.54            | 20.5    |
|           |            | 12      | 13        | 19.66            | 19.65            | 19.62            | 20.5    |
|           |            | 25      | 0         | 19.59            | 19.6             | 19.57            | 20.5    |
|           | 16QAM      | 1       | 0         | 19.91            | 19.91            | 19.86            | 20.5    |
|           |            | 1       | 13        | 19.88            | 19.92            | 19.89            | 20.5    |
|           |            | 1       | 24        | 19.85            | 19.92            | 19.81            | 20.5    |
|           |            | 12      | 0         | 19.68            | 19.65            | 19.61            | 20.5    |
|           |            | 12      | 6         | 19.61            | 19.6             | 19.46            | 20.5    |
|           |            | 12      | 13        | 19.63            | 19.63            | 19.6             | 20.5    |
|           |            | 25      | 0         | 19.55            | 19.52            | 19.46            | 20.5    |
|           | 64QAM      | 1       | 0         | 19.82            | 19.6             | 19.83            | 20.5    |

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|           |            | 1       | 13        | 19.4    | 19.38        | 19.43   | 20.5    |
|-----------|------------|---------|-----------|---------|--------------|---------|---------|
|           |            | 1       | 24        | 19.75   | 19.68        | 19.66   | 20.5    |
|           |            | 12      | 0         | 19.59   | 19.59        | 19.54   | 20.5    |
|           |            | 12      | 6         | 19.53   | 19.62        | 19.48   | 20.5    |
|           |            | 12      | 13        | 19.56   | 19.55        | 19.47   | 20.5    |
|           |            | 25      | 0         | 19.57   | 19.59        | 19.49   | 20.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
|           |            |         |           | 20450   | 20525        | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.6    | 19.59        | 19.58   | 20.5    |
|           |            | 1       | 25        | 19.36   | 19.37        | 19.4    | 20.5    |
|           |            | 1       | 49        | 19.61   | <b>19.61</b> | 19.54   | 20.5    |
|           |            | 25      | 0         | 19.61   | 19.61        | 19.59   | 20.5    |
|           |            | 25      | 13        | 19.62   | 19.62        | 19.57   | 20.5    |
|           |            | 25      | 25        | 19.59   | <b>19.62</b> | 19.59   | 20.5    |
|           |            | 50      | 0         | 19.59   | 19.63        | 19.56   | 20.5    |
|           | 16QAM      | 1       | 0         | 19.98   | 19.89        | 19.88   | 20.5    |
|           |            | 1       | 25        | 19.72   | 19.65        | 19.77   | 20.5    |
|           |            | 1       | 49        | 19.88   | 19.91        | 19.97   | 20.5    |
|           |            | 25      | 0         | 19.54   | 19.53        | 19.53   | 20.5    |
|           |            | 25      | 13        | 19.55   | 19.54        | 19.51   | 20.5    |
|           |            | 25      | 25        | 19.54   | 19.53        | 19.53   | 20.5    |
|           |            | 50      | 0         | 19.55   | 19.58        | 19.5    | 20.5    |
|           | 64QAM      | 1       | 0         | 19.91   | 19.83        | 19.66   | 20.5    |
|           |            | 1       | 25        | 19.63   | 19.6         | 19.36   | 20.5    |
|           |            | 1       | 49        | 19.79   | 19.7         | 19.72   | 20.5    |
|           |            | 25      | 0         | 19.64   | 19.59        | 19.6    | 20.5    |
|           |            | 25      | 13        | 19.63   | 19.6         | 19.53   | 20.5    |
|           |            | 25      | 25        | 19.62   | 19.6         | 19.53   | 20.5    |
|           |            | 50      | 0         | 19.62   | 19.59        | 19.55   | 20.5    |

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| LTE Band 5 Receiver off (body or limbs) |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                                  | QPSK       | 1       | 0         | 23.67                | 23.59   | 23.53   | 24.5    |
|   |            | 1       | 2         | 23.36                | 23.25   | 23.12   | 24.5    |
|   |            | 1       | 5         | 23.64                | 23.6    | 23.53   | 24.5    |
|   |            | 3       | 0         | 23.63                | 23.5    | 23.36   | 24.5    |
|   |            | 3       | 2         | 23.41                | 23.46   | 23.33   | 24.5    |
|   |            | 3       | 3         | 23.47                | 23.52   | 23.33   | 24.5    |
|   |            | 6       | 0         | 22.05                | 21.97   | 21.88   | 23.5    |
|   | 16QAM      | 1       | 0         | 22.4                 | 22.29   | 22.18   | 23.5    |
|   |            | 1       | 2         | 21.93                | 21.8    | 21.94   | 23.5    |
|   |            | 1       | 5         | 22.28                | 22.29   | 22.22   | 23.5    |
|   |            | 3       | 0         | 22.02                | 22.06   | 21.93   | 23.5    |
|   |            | 3       | 2         | 22.11                | 21.93   | 21.88   | 23.5    |
|   |            | 3       | 3         | 22.05                | 22.1    | 21.95   | 23.5    |
|   |            | 6       | 0         | 21.1                 | 20.92   | 20.97   | 22.5    |
|   | 64QAM      | 1       | 0         | 21.87                | 21.83   | 21.78   | 22.5    |
|   |            | 1       | 2         | 21.57                | 21.56   | 21.34   | 22.5    |
|   |            | 1       | 5         | 21.77                | 21.68   | 21.66   | 22.5    |
|   |            | 3       | 0         | 21.84                | 21.83   | 21.75   | 22.5    |
|   |            | 3       | 2         | 21.54                | 21.56   | 21.3    | 22.5    |
|   |            | 3       | 3         | 21.77                | 21.67   | 21.62   | 22.5    |
|   |            | 6       | 0         | 20.59                | 20.5    | 20.5    | 21.5    |
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz                                    | QPSK       | 1       | 0         | 23.74                | 23.59   | 23.57   | 24.5    |
|   |            | 1       | 7         | 23.47                | 23.56   | 23.46   | 24.5    |
|   |            | 1       | 14        | 23.66                | 23.64   | 23.46   | 24.5    |
|   |            | 8       | 0         | 22.1                 | 22.03   | 21.91   | 23.5    |
|   |            | 8       | 4         | 21.96                | 21.97   | 21.81   | 23.5    |
|   |            | 8       | 7         | 22                   | 22.04   | 21.87   | 23.5    |
|   |            | 15      | 0         | 22.09                | 22.06   | 22.01   | 23.5    |
|   | 16QAM      | 1       | 0         | 22.43                | 22.39   | 22.16   | 23.5    |
|   |            | 1       | 7         | 21.88                | 21.83   | 21.73   | 23.5    |
|   |            | 1       | 14        | 22.38                | 22.4    | 22.29   | 23.5    |
|   |            | 8       | 0         | 21.08                | 21.04   | 20.88   | 22.5    |
|   |            | 8       | 4         | 21                   | 20.96   | 20.82   | 22.5    |
|   |            | 8       | 7         | 21.06                | 21.08   | 20.86   | 22.5    |
|   |            | 15      | 0         | 21.04                | 21.04   | 20.85   | 22.5    |
|   | 64QAM      | 1       | 0         | 21.89                | 21.81   | 21.79   | 22.5    |
|   |            | 1       | 7         | 21.6                 | 21.53   | 21.44   | 22.5    |
|   |            | 1       | 14        | 21.74                | 21.69   | 21.68   | 22.5    |
|   |            | 8       | 0         | 20.58                | 20.58   | 20.57   | 21.5    |

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|           |            | 8       | 4         | 20.55   | 20.58   | 20.43   | 21.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 20.51   | 20.54   | 20.44   | 21.5    |
|           |            | 15      | 0         | 20.55   | 20.59   | 20.45   | 21.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.72   | 23.58   | 23.77   | 24.5    |
|           |            | 1       | 13        | 23.65   | 23.65   | 23.58   | 24.5    |
|           |            | 1       | 24        | 23.68   | 23.65   | 23.56   | 24.5    |
|           |            | 12      | 0         | 22.16   | 22.14   | 22.09   | 23.5    |
|           |            | 12      | 6         | 22      | 22.03   | 21.92   | 23.5    |
|           |            | 12      | 13        | 22.15   | 22.1    | 22.03   | 23.5    |
|           |            | 25      | 0         | 22.07   | 22.1    | 21.98   | 23.5    |
|           | 16QAM      | 1       | 0         | 22.42   | 22.36   | 22.27   | 23.5    |
|           |            | 1       | 13        | 22.35   | 22.31   | 22.26   | 23.5    |
|           |            | 1       | 24        | 22.35   | 22.37   | 22.31   | 23.5    |
|           |            | 12      | 0         | 21.14   | 21.11   | 21.1    | 22.5    |
|           |            | 12      | 6         | 21.06   | 21.08   | 20.97   | 22.5    |
|           |            | 12      | 13        | 21.14   | 21.1    | 21.03   | 22.5    |
|           |            | 25      | 0         | 21.04   | 21.01   | 20.94   | 22.5    |
|           | 64QAM      | 1       | 0         | 21.81   | 21.84   | 21.8    | 22.5    |
|           |            | 1       | 13        | 21.64   | 21.55   | 21.39   | 22.5    |
|           |            | 1       | 24        | 21.81   | 21.7    | 21.75   | 22.5    |
|           |            | 12      | 0         | 20.56   | 20.54   | 20.53   | 21.5    |
|           |            | 12      | 6         | 20.59   | 20.55   | 20.44   | 21.5    |
|           |            | 12      | 13        | 20.49   | 20.52   | 20.44   | 21.5    |
|           |            | 25      | 0         | 20.56   | 20.55   | 20.42   | 21.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.71   | 23.65   | 23.63   | 24.5    |
|           |            | 1       | 25        | 23.57   | 23.43   | 23.47   | 24.5    |
|           |            | 1       | 49        | 23.5    | 23.59   | 23.54   | 24.5    |
|           |            | 25      | 0         | 22.13   | 22.08   | 22.09   | 23.5    |
|           |            | 25      | 13        | 22.12   | 22.08   | 22.02   | 23.5    |
|           |            | 25      | 25        | 22.1    | 22.06   | 22.04   | 23.5    |
|           |            | 50      | 0         | 22.09   | 22.05   | 22.05   | 23.5    |
|           | 16QAM      | 1       | 0         | 22.29   | 22.29   | 22.22   | 23.5    |
|           |            | 1       | 25        | 22.26   | 22.19   | 22.12   | 23.5    |
|           |            | 1       | 49        | 22.27   | 22.31   | 22.18   | 23.5    |
|           |            | 25      | 0         | 21.04   | 21.02   | 21.03   | 22.5    |
|           |            | 25      | 13        | 21.03   | 21.03   | 20.95   | 22.5    |
|           |            | 25      | 25        | 20.98   | 20.99   | 20.94   | 22.5    |
|           |            | 50      | 0         | 21.01   | 21.02   | 20.93   | 22.5    |
|           | 64QAM      | 1       | 0         | 21.9    | 21.85   | 21.8    | 22.5    |
|           |            | 1       | 25        | 21.64   | 21.57   | 21.44   | 22.5    |
|           |            | 1       | 49        | 21.81   | 21.73   | 21.76   | 22.5    |
|           |            | 25      | 0         | 20.66   | 20.61   | 20.58   | 21.5    |
|           |            | 25      | 13        | 20.64   | 20.59   | 20.53   | 21.5    |

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|  |  |    |    |       |       |       |      |
|--|--|----|----|-------|-------|-------|------|
|  |  | 25 | 25 | 20.58 | 20.6  | 20.52 | 21.5 |
|  |  | 50 | 0  | 20.59 | 20.61 | 20.52 | 21.5 |

| LTE Band 5 Receiver off (body or limbs) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 20.62                | 20.51   | 20.4    | 21.5    |
|  |            | 1       | 2         | 20.06                | 19.9    | 19.91   | 21.5    |
|  |            | 1       | 5         | 20.56                | 20.5    | 20.4    | 21.5    |
|  |            | 3       | 0         | 20.5                 | 20.42   | 20.27   | 21.5    |
|  |            | 3       | 2         | 20.51                | 20.26   | 20.22   | 21.5    |
|  |            | 3       | 3         | 20.44                | 20.45   | 20.28   | 21.5    |
|  |            | 6       | 0         | 20.45                | 20.52   | 20.27   | 21.5    |
|  | 16QAM      | 1       | 0         | 20.85                | 20.81   | 20.69   | 21.5    |
|  |            | 1       | 2         | 20.59                | 20.68   | 20.56   | 21.5    |
|  |            | 1       | 5         | 20.73                | 20.82   | 20.69   | 21.5    |
|  |            | 3       | 0         | 20.52                | 20.55   | 20.38   | 21.5    |
|  |            | 3       | 2         | 20.31                | 20.31   | 20.36   | 21.5    |
|  |            | 3       | 3         | 20.38                | 20.37   | 20.32   | 21.5    |
|  |            | 6       | 0         | 20.42                | 20.5    | 20.38   | 21.5    |
|  | 64QAM      | 1       | 0         | 20.88                | 20.77   | 20.65   | 21.5    |
|  |            | 1       | 2         | 20.62                | 20.53   | 20.34   | 21.5    |
|  |            | 1       | 5         | 20.75                | 20.67   | 20.64   | 21.5    |
|  |            | 3       | 0         | 20.57                | 20.56   | 20.57   | 21.5    |
|  |            | 3       | 2         | 20.62                | 20.54   | 20.47   | 21.5    |
|  |            | 3       | 3         | 20.59                | 20.59   | 20.5    | 21.5    |
|  |            | 6       | 0         | 20.53                | 20.51   | 20.48   | 21.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz   | QPSK       | 1       | 0         | 20.56                | 20.5    | 20.4    | 21.5    |
|  |            | 1       | 7         | 20.33                | 20.21   | 20.36   | 21.5    |
|  |            | 1       | 14        | 20.5                 | 20.47   | 20.44   | 21.5    |
|  |            | 8       | 0         | 20.52                | 20.44   | 20.29   | 21.5    |
|  |            | 8       | 4         | 20.46                | 20.39   | 20.33   | 21.5    |
|  |            | 8       | 7         | 20.46                | 20.5    | 20.37   | 21.5    |
|  |            | 15      | 0         | 20.5                 | 20.5    | 20.38   | 21.5    |
|  | 16QAM      | 1       | 0         | 20.82                | 20.8    | 20.75   | 21.5    |
|  |            | 1       | 7         | 20.37                | 20.6    | 20.29   | 21.5    |
|  |            | 1       | 14        | 20.78                | 20.76   | 20.75   | 21.5    |
|  |            | 8       | 0         | 20.46                | 20.4    | 20.22   | 21.5    |
|  |            | 8       | 4         | 20.36                | 20.4    | 20.32   | 21.5    |
|  |            | 8       | 7         | 20.39                | 20.38   | 20.3    | 21.5    |
|  |            | 15      | 0         | 20.44                | 20.42   | 20.38   | 21.5    |
|  | 64QAM      | 1       | 0         | 20.9                 | 20.81   | 20.65   | 21.5    |
|  |            | 1       | 7         | 20.56                | 20.51   | 20.31   | 21.5    |

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|           |            | 1       | 14        | 20.75        | 20.61       | 20.62        | 21.5    |
|-----------|------------|---------|-----------|--------------|-------------|--------------|---------|
|           |            | 8       | 0         | 20.63        | 20.51       | 20.53        | 21.5    |
|           |            | 8       | 4         | 20.62        | 20.56       | 20.51        | 21.5    |
|           |            | 8       | 7         | 20.59        | 20.53       | 20.49        | 21.5    |
|           |            | 15      | 0         | 20.59        | 20.52       | 20.55        | 21.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel     | Channel      | Tune up |
|           |            |         |           | 20425        | 20525       | 20625        |         |
| 5MHz      | QPSK       | 1       | 0         | 20.58        | 20.49       | 20.36        | 21.5    |
|           |            | 1       | 13        | 20.52        | 20.48       | 20.38        | 21.5    |
|           |            | 1       | 24        | 20.54        | 20.51       | 20.41        | 21.5    |
|           |            | 12      | 0         | 20.57        | 20.53       | 20.44        | 21.5    |
|           |            | 12      | 6         | 20.46        | 20.51       | 20.3         | 21.5    |
|           |            | 12      | 13        | 20.57        | 20.52       | 20.45        | 21.5    |
|           |            | 25      | 0         | 20.49        | 20.44       | 20.43        | 21.5    |
|           | 16QAM      | 1       | 0         | 20.97        | 20.71       | 20.69        | 21.5    |
|           |            | 1       | 13        | 20.79        | 20.86       | 20.7         | 21.5    |
|           |            | 1       | 24        | 20.81        | 20.75       | 20.81        | 21.5    |
|           |            | 12      | 0         | 20.53        | 20.51       | 20.41        | 21.5    |
|           |            | 12      | 6         | 20.48        | 20.47       | 20.29        | 21.5    |
|           |            | 12      | 13        | 20.55        | 20.5        | 20.44        | 21.5    |
|           |            | 25      | 0         | 20.44        | 20.45       | 20.34        | 21.5    |
|           | 64QAM      | 1       | 0         | 20.82        | 20.78       | 20.6         | 21.5    |
|           |            | 1       | 13        | 20.54        | 20.51       | 20.31        | 21.5    |
|           |            | 1       | 24        | 20.72        | 20.66       | 20.65        | 21.5    |
|           |            | 12      | 0         | 20.64        | 20.5        | 20.58        | 21.5    |
|           |            | 12      | 6         | 20.63        | 20.55       | 20.47        | 21.5    |
|           |            | 12      | 13        | 20.53        | 20.53       | 20.44        | 21.5    |
|           |            | 25      | 0         | 20.53        | 20.51       | 20.5         | 21.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel     | Channel      | Tune up |
|           |            |         |           | 20450        | 20525       | 20600        |         |
| 10MHz     | QPSK       | 1       | 0         | <b>20.58</b> | <b>20.5</b> | <b>20.42</b> | 21.5    |
|           |            | 1       | 25        | 20.23        | 20.17       | 20.1         | 21.5    |
|           |            | 1       | 49        | 20.43        | 20.41       | 20.39        | 21.5    |
|           |            | 25      | 0         | <b>20.53</b> | 20.52       | 20.48        | 21.5    |
|           |            | 25      | 13        | 20.51        | 20.46       | 20.42        | 21.5    |
|           |            | 25      | 25        | 20.49        | 20.47       | 20.45        | 21.5    |
|           |            | 50      | 0         | 20.49        | 20.49       | 20.41        | 21.5    |
|           | 16QAM      | 1       | 0         | 20.86        | 20.77       | 20.77        | 21.5    |
|           |            | 1       | 25        | 20.55        | 20.57       | 20.52        | 21.5    |
|           |            | 1       | 49        | 20.86        | 20.8        | 20.8         | 21.5    |
|           |            | 25      | 0         | 20.48        | 20.43       | 20.4         | 21.5    |
|           |            | 25      | 13        | 20.42        | 20.45       | 20.34        | 21.5    |
|           |            | 25      | 25        | 20.42        | 20.38       | 20.3         | 21.5    |
|           |            | 50      | 0         | 20.44        | 20.38       | 20.37        | 21.5    |
|           | 64QAM      | 1       | 0         | 20.87        | 20.76       | 20.64        | 21.5    |
|           |            | 1       | 25        | 20.59        | 20.54       | 20.29        | 21.5    |
|           |            | 1       | 49        | 20.73        | 20.68       | 20.66        | 21.5    |

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|  |  |    |    |       |       |       |      |
|--|--|----|----|-------|-------|-------|------|
|  |  | 25 | 0  | 20.62 | 20.57 | 20.52 | 21.5 |
|  |  | 25 | 13 | 20.62 | 20.52 | 20.49 | 21.5 |
|  |  | 25 | 25 | 20.53 | 20.57 | 20.45 | 21.5 |
|  |  | 50 | 0  | 20.62 | 20.55 | 20.47 | 21.5 |

| LTE Band 5 Receiver off (body or limbs) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 18.63                | 18.53   | 18.43   | 19.5    |
|  |            | 1       | 2         | 18.28                | 18.05   | 18.09   | 19.5    |
|  |            | 1       | 5         | 18.53                | 18.51   | 18.44   | 19.5    |
|  |            | 3       | 0         | 18.53                | 18.36   | 18.41   | 19.5    |
|  |            | 3       | 2         | 18.53                | 18.49   | 18.18   | 19.5    |
|  |            | 3       | 3         | 18.45                | 18.23   | 18.18   | 19.5    |
|  |            | 6       | 0         | 18.49                | 18.42   | 18.31   | 19.5    |
|  | 16QAM      | 1       | 0         | 18.94                | 18.85   | 18.71   | 19.5    |
|  |            | 1       | 2         | 18.77                | 18.8    | 18.83   | 19.5    |
|  |            | 1       | 5         | 18.92                | 18.75   | 18.7    | 19.5    |
|  |            | 3       | 0         | 18.67                | 18.58   | 18.57   | 19.5    |
|  |            | 3       | 2         | 18.45                | 18.5    | 18.22   | 19.5    |
|  |            | 3       | 3         | 18.48                | 18.45   | 18.3    | 19.5    |
|  |            | 6       | 0         | 18.51                | 18.43   | 18.25   | 19.5    |
|  | 64QAM      | 1       | 0         | 18.86                | 18.67   | 18.55   | 19.5    |
|  |            | 1       | 2         | 18.57                | 18.49   | 18.28   | 19.5    |
|  |            | 1       | 5         | 18.66                | 18.63   | 18.62   | 19.5    |
|  |            | 3       | 0         | 18.61                | 18.54   | 18.47   | 19.5    |
|  |            | 3       | 2         | 18.55                | 18.43   | 18.46   | 19.5    |
|  |            | 3       | 3         | 18.43                | 18.5    | 18.4    | 19.5    |
|  |            | 6       | 0         | 18.61                | 18.55   | 18.46   | 19.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz   | QPSK       | 1       | 0         | 18.6                 | 18.51   | 18.42   | 19.5    |
|  |            | 1       | 7         | 18.11                | 18.13   | 18.25   | 19.5    |
|  |            | 1       | 14        | 18.48                | 18.52   | 18.37   | 19.5    |
|  |            | 8       | 0         | 18.55                | 18.47   | 18.31   | 19.5    |
|  |            | 8       | 4         | 18.43                | 18.45   | 18.34   | 19.5    |
|  |            | 8       | 7         | 18.47                | 18.38   | 18.39   | 19.5    |
|  |            | 15      | 0         | 18.54                | 18.48   | 18.4    | 19.5    |
|  | 16QAM      | 1       | 0         | 18.9                 | 18.76   | 18.77   | 19.5    |
|  |            | 1       | 7         | 18.45                | 18.34   | 18.16   | 19.5    |
|  |            | 1       | 14        | 18.81                | 18.83   | 18.67   | 19.5    |
|  |            | 8       | 0         | 18.49                | 18.46   | 18.36   | 19.5    |
|  |            | 8       | 4         | 18.45                | 18.44   | 18.36   | 19.5    |
|  |            | 8       | 7         | 18.41                | 18.47   | 18.36   | 19.5    |
|  |            | 15      | 0         | 18.43                | 18.38   | 18.31   | 19.5    |

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|           | 64QAM      | 1       | 0         | 18.86         | 18.74         | 18.55         | 19.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 7         | 18.52         | 18.51         | 18.25         | 19.5    |
|           |            | 1       | 14        | 18.65         | 18.68         | 18.61         | 19.5    |
|           |            | 8       | 0         | 18.55         | 18.53         | 18.51         | 19.5    |
|           |            | 8       | 4         | 18.61         | 18.48         | 18.4          | 19.5    |
|           |            | 8       | 7         | 18.51         | 18.5          | 18.35         | 19.5    |
|           |            | 15      | 0         | 18.54         | 18.54         | 18.43         | 19.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20425 | Channel 20525 | Channel 20625 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 18.56         | 18.46         | 18.4          | 19.5    |
|           |            | 1       | 13        | 18.55         | 18.53         | 18.43         | 19.5    |
|           |            | 1       | 24        | 18.52         | 18.48         | 18.35         | 19.5    |
|           |            | 12      | 0         | 18.57         | 18.55         | 18.53         | 19.5    |
|           |            | 12      | 6         | 18.51         | 18.5          | 18.41         | 19.5    |
|           |            | 12      | 13        | 18.55         | 18.56         | 18.46         | 19.5    |
|           |            | 25      | 0         | 18.5          | 18.51         | 18.4          | 19.5    |
|           | 16QAM      | 1       | 0         | 18.91         | 18.78         | 18.73         | 19.5    |
|           |            | 1       | 13        | 18.79         | 18.76         | 18.69         | 19.5    |
|           |            | 1       | 24        | 18.81         | 18.79         | 18.76         | 19.5    |
|           |            | 12      | 0         | 18.49         | 18.51         | 18.43         | 19.5    |
|           |            | 12      | 6         | 18.51         | 18.49         | 18.39         | 19.5    |
|           |            | 12      | 13        | 18.55         | 18.5          | 18.42         | 19.5    |
|           |            | 25      | 0         | 18.48         | 18.41         | 18.39         | 19.5    |
|           | 64QAM      | 1       | 0         | 18.78         | 18.74         | 18.56         | 19.5    |
|           |            | 1       | 13        | 18.58         | 18.54         | 18.28         | 19.5    |
|           |            | 1       | 24        | 18.68         | 18.59         | 18.56         | 19.5    |
|           |            | 12      | 0         | 18.62         | 18.5          | 18.5          | 19.5    |
|           |            | 12      | 6         | 18.62         | 18.44         | 18.46         | 19.5    |
|           |            | 12      | 13        | 18.48         | 18.47         | 18.4          | 19.5    |
|           |            | 25      | 0         | 18.52         | 18.51         | 18.45         | 19.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20450 | Channel 20525 | Channel 20600 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 18.53         | 18.49         | 18.44         | 19.5    |
|           |            | 1       | 25        | 18.1          | 18.09         | 18.14         | 19.5    |
|           |            | 1       | 49        | 18.45         | 18.47         | 18.41         | 19.5    |
|           |            | 25      | 0         | 18.56         | 18.51         | 18.49         | 19.5    |
|           |            | 25      | 13        | 18.49         | 18.49         | 18.41         | 19.5    |
|           |            | 25      | 25        | 18.48         | 18.47         | 18.44         | 19.5    |
|           |            | 50      | 0         | 18.52         | 18.49         | 18.42         | 19.5    |
|           | 16QAM      | 1       | 0         | 18.83         | 18.75         | 18.74         | 19.5    |
|           |            | 1       | 25        | 18.48         | 18.67         | 18.39         | 19.5    |
|           |            | 1       | 49        | 18.61         | 18.68         | 18.59         | 19.5    |
|           |            | 25      | 0         | 18.48         | 18.45         | 18.4          | 19.5    |
|           |            | 25      | 13        | 18.42         | 18.44         | 18.39         | 19.5    |
|           |            | 25      | 25        | 18.44         | 18.42         | 18.38         | 19.5    |
|           |            | 50      | 0         | 18.43         | 18.44         | 18.34         | 19.5    |
|           | 64QAM      | 1       | 0         | 18.81         | 18.75         | 18.61         | 19.5    |

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|  |  |    |    |       |       |       |      |
|--|--|----|----|-------|-------|-------|------|
|  |  | 1  | 25 | 18.51 | 18.54 | 18.21 | 19.5 |
|  |  | 1  | 49 | 18.71 | 18.62 | 18.59 | 19.5 |
|  |  | 25 | 0  | 18.54 | 18.47 | 18.48 | 19.5 |
|  |  | 25 | 13 | 18.58 | 18.49 | 18.48 | 19.5 |
|  |  | 25 | 25 | 18.5  | 18.5  | 18.36 | 19.5 |
|  |  | 50 | 0  | 18.61 | 18.5  | 18.46 | 19.5 |

| LTE Band 5 Receiver on(Left head) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |               |               |         |
|--|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel 20407        | Channel 20525 | Channel 20643 | Tune up |
| 1.4MHz   | QPSK       | 1       | 0         | 16.47                | 16.45         | 16.4          | 17.5    |
|  |            | 1       | 2         | 16.71                | 15.32         | 16.07         | 17.5    |
|  |            | 1       | 5         | 16.48                | 16.43         | 16.28         | 17.5    |
|  |            | 3       | 0         | 16.14                | 16.2          | 16.28         | 17.5    |
|  |            | 3       | 2         | 16.41                | 16.41         | 15.9          | 17.5    |
|  |            | 3       | 3         | 16.48                | 16.43         | 16.16         | 17.5    |
|  |            | 6       | 0         | 16.45                | 16.25         | 16.36         | 17.5    |
|  | 16QAM      | 1       | 0         | 16.87                | 16.58         | 16.85         | 17.5    |
|  |            | 1       | 2         | 16.73                | 16.2          | 16.12         | 17.5    |
|  |            | 1       | 5         | 16.73                | 16.7          | 16.61         | 17.5    |
|  |            | 3       | 0         | 16.34                | 15.93         | 16.29         | 17.5    |
|  |            | 3       | 2         | 16.4                 | 15.46         | 16.15         | 17.5    |
|  |            | 3       | 3         | 16.45                | 16.59         | 16.63         | 17.5    |
|  |            | 6       | 0         | 16.58                | 16.01         | 16.35         | 17.5    |
|  | 64QAM      | 1       | 0         | 16.79                | 16.73         | 16.53         | 17.5    |
|  |            | 1       | 2         | 16.41                | 16.47         | 16.21         | 17.5    |
|  |            | 1       | 5         | 16.67                | 16.6          | 16.57         | 17.5    |
|  |            | 3       | 0         | 16.52                | 16.37         | 16.45         | 17.5    |
|  |            | 3       | 2         | 16.5                 | 16.44         | 16.42         | 17.5    |
|  |            | 3       | 3         | 16.49                | 16.48         | 16.27         | 17.5    |
|  |            | 6       | 0         | 16.53                | 16.49         | 16.41         | 17.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel 20415        | Channel 20525 | Channel 20635 | Tune up |
| 3MHz   | QPSK       | 1       | 0         | 16.52                | 16.33         | 16.4          | 17.5    |
|  |            | 1       | 7         | 16.4                 | 15.11         | 15.67         | 17.5    |
|  |            | 1       | 14        | 16.51                | 16.36         | 16.32         | 17.5    |
|  |            | 8       | 0         | 16.28                | 16.28         | 15.82         | 17.5    |
|  |            | 8       | 4         | 16.47                | 16.21         | 16.26         | 17.5    |
|  |            | 8       | 7         | 16.4                 | 16.39         | 16.4          | 17.5    |
|  |            | 15      | 0         | 16.34                | 16.35         | 16.35         | 17.5    |
|  | 16QAM      | 1       | 0         | 16.87                | 16.72         | 16.48         | 17.5    |
|  |            | 1       | 7         | 15.95                | 15.48         | 16.31         | 17.5    |
|  |            | 1       | 14        | 16.9                 | 16.45         | 16.64         | 17.5    |
|  |            | 8       | 0         | 16.3                 | 16.23         | 16.28         | 17.5    |
|  |            | 8       | 4         | 16.37                | 16.15         | 16.01         | 17.5    |

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|           |            | 8       | 7         | 16.76   | 16.5    | 15.91   | 17.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 15      | 0         | 16.18   | 16.4    | 16.31   | 17.5    |
|           | 64QAM      | 1       | 0         | 16.81   | 16.66   | 16.56   | 17.5    |
|           |            | 1       | 7         | 16.45   | 16.54   | 16.21   | 17.5    |
|           |            | 1       | 14        | 16.7    | 16.61   | 16.58   | 17.5    |
|           |            | 8       | 0         | 16.45   | 16.41   | 16.41   | 17.5    |
|           |            | 8       | 4         | 16.54   | 16.43   | 16.45   | 17.5    |
|           |            | 8       | 7         | 16.49   | 16.46   | 16.3    | 17.5    |
|           |            | 15      | 0         | 16.57   | 16.43   | 16.42   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 16.46   | 16.41   | 16.34   | 17.5    |
|           |            | 1       | 13        | 16.46   | 16.3    | 16.28   | 17.5    |
|           |            | 1       | 24        | 16.4    | 16.37   | 16.24   | 17.5    |
|           |            | 12      | 0         | 16.48   | 16.46   | 16.42   | 17.5    |
|           |            | 12      | 6         | 16.44   | 16.3    | 16.25   | 17.5    |
|           |            | 12      | 13        | 16.49   | 16.49   | 16.29   | 17.5    |
|           |            | 25      | 0         | 16.34   | 16.33   | 16.44   | 17.5    |
|           | 16QAM      | 1       | 0         | 16.73   | 16.67   | 16.6    | 17.5    |
|           |            | 1       | 13        | 16.34   | 16.71   | 16.08   | 17.5    |
|           |            | 1       | 24        | 16.76   | 16.66   | 16.58   | 17.5    |
|           |            | 12      | 0         | 16.47   | 16.42   | 16.4    | 17.5    |
|           |            | 12      | 6         | 16.35   | 16.38   | 16.39   | 17.5    |
|           |            | 12      | 13        | 16.38   | 16.4    | 16.21   | 17.5    |
|           |            | 25      | 0         | 16.29   | 16.38   | 16.21   | 17.5    |
|           | 64QAM      | 1       | 0         | 16.78   | 16.71   | 16.55   | 17.5    |
|           |            | 1       | 13        | 16.5    | 16.47   | 16.19   | 17.5    |
|           |            | 1       | 24        | 16.7    | 16.56   | 16.56   | 17.5    |
|           |            | 12      | 0         | 16.49   | 16.44   | 16.46   | 17.5    |
|           |            | 12      | 6         | 16.55   | 16.46   | 16.4    | 17.5    |
|           |            | 12      | 13        | 16.49   | 16.47   | 16.29   | 17.5    |
|           |            | 25      | 0         | 16.53   | 16.41   | 16.45   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 16.54   | 16.28   | 16.34   | 17.5    |
|           |            | 1       | 25        | 16.26   | 16.42   | 16.64   | 17.5    |
|           |            | 1       | 49        | 16.38   | 16.41   | 16.24   | 17.5    |
|           |            | 25      | 0         | 16.49   | 16.45   | 16.4    | 17.5    |
|           |            | 25      | 13        | 16.43   | 16.43   | 16.46   | 17.5    |
|           |            | 25      | 25        | 16.44   | 16.36   | 16.39   | 17.5    |
|           |            | 50      | 0         | 16.29   | 16.39   | 16.37   | 17.5    |
|           | 16QAM      | 1       | 0         | 16.55   | 16.65   | 16.37   | 17.5    |
|           |            | 1       | 25        | 16.42   | 16.7    | 16.65   | 17.5    |
|           |            | 1       | 49        | 16.63   | 16.3    | 16.59   | 17.5    |
|           |            | 25      | 0         | 16.46   | 16.21   | 16.27   | 17.5    |
|           |            | 25      | 13        | 16.34   | 16.36   | 16.38   | 17.5    |
|           |            | 25      | 25        | 16.37   | 16.26   | 16.35   | 17.5    |

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|  |  |    |    |       |       |       |      |
|--|--|----|----|-------|-------|-------|------|
|  |  | 50 | 0  | 16.28 | 16.33 | 16.37 | 17.5 |
|  |  | 1  | 0  | 16.8  | 16.71 | 16.54 | 17.5 |
|  |  | 1  | 25 | 16.44 | 16.46 | 16.2  | 17.5 |
|  |  | 1  | 49 | 16.69 | 16.58 | 16.5  | 17.5 |
|  |  | 25 | 0  | 16.47 | 16.37 | 16.4  | 17.5 |
|  |  | 25 | 13 | 16.5  | 16.44 | 16.47 | 17.5 |
|  |  | 25 | 25 | 16.42 | 16.45 | 16.35 | 17.5 |
|  |  | 50 | 0  | 16.51 | 16.47 | 16.37 | 17.5 |

| LTE Band 5 Receiver on(Right head) + hotspot<br>2.4G |            |         |           | Conducted Power(dBm) |                  |                  |         |
|--|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel<br>20407     | Channel<br>20525 | Channel<br>20643 | Tune up |
| 1.4MHz   | QPSK       | 1       | 0         | 16.65                | 16.4             | 16.41            | 17.5    |
|  |            | 1       | 2         | 15.74                | 15.51            | 15.96            | 17.5    |
|  |            | 1       | 5         | 16.53                | 16.38            | 16.31            | 17.5    |
|  |            | 3       | 0         | 16.52                | 16.42            | 16.17            | 17.5    |
|  |            | 3       | 2         | 16.47                | 16.54            | 16.32            | 17.5    |
|  |            | 3       | 3         | 15.98                | 16.49            | 16.36            | 17.5    |
|  |            | 6       | 0         | 16.53                | 16.51            | 16.25            | 17.5    |
|  | 16QAM      | 1       | 0         | 16.54                | 16.73            | 16.52            | 17.5    |
|  |            | 1       | 2         | 17.11                | 16.79            | 16.79            | 17.5    |
|  |            | 1       | 5         | 16.67                | 16.59            | 16.68            | 17.5    |
|  |            | 3       | 0         | 16.29                | 16.54            | 16.32            | 17.5    |
|  |            | 3       | 2         | 16.43                | 16.11            | 16.65            | 17.5    |
|  |            | 3       | 3         | 16.46                | 16.51            | 16.24            | 17.5    |
|  |            | 6       | 0         | 16.44                | 16.35            | 16.54            | 17.5    |
|  | 64QAM      | 1       | 0         | 16.77                | 16.72            | 16.53            | 17.5    |
|  |            | 1       | 2         | 16.41                | 16.47            | 16.21            | 17.5    |
|  |            | 1       | 5         | 16.66                | 16.58            | 16.55            | 17.5    |
|  |            | 3       | 0         | 16.52                | 16.37            | 16.44            | 17.5    |
|  |            | 3       | 2         | 16.47                | 16.43            | 16.39            | 17.5    |
|  |            | 3       | 3         | 16.49                | 16.47            | 16.25            | 17.5    |
|  |            | 6       | 0         | 16.53                | 16.48            | 16.4             | 17.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel<br>20415     | Channel<br>20525 | Channel<br>20635 | Tune up |
| 3MHz   | QPSK       | 1       | 0         | 16.38                | 16.47            | 16.23            | 17.5    |
|  |            | 1       | 7         | 15.29                | 15.44            | 15.55            | 17.5    |
|  |            | 1       | 14        | 16.39                | 16.34            | 16.35            | 17.5    |
|  |            | 8       | 0         | 16.46                | 16.58            | 16.29            | 17.5    |
|  |            | 8       | 4         | 16.33                | 16.28            | 16.37            | 17.5    |
|  |            | 8       | 7         | 16.31                | 16.35            | 16.18            | 17.5    |
|  |            | 15      | 0         | 16.52                | 16.4             | 16.38            | 17.5    |
|  | 16QAM      | 1       | 0         | 16.57                | 16.59            | 16.44            | 17.5    |
|  |            | 1       | 7         | 16.72                | 16.7             | 16.5             | 17.5    |
|  |            | 1       | 14        | 16.95                | 16.48            | 16.55            | 17.5    |

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|           |            | 8       | 0         | 16.02   | 16.35   | 16.28   | 17.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 4         | 16.29   | 16.36   | 16.39   | 17.5    |
|           |            | 8       | 7         | 16.44   | 16.45   | 15.97   | 17.5    |
|           |            | 15      | 0         | 16.47   | 16.43   | 16.24   | 17.5    |
|           | 64QAM      | 1       | 0         | 16.77   | 16.71   | 16.52   | 17.5    |
|           |            | 1       | 7         | 16.4    | 16.47   | 16.2    | 17.5    |
|           |            | 1       | 14        | 16.66   | 16.59   | 16.54   | 17.5    |
|           |            | 8       | 0         | 16.52   | 16.34   | 16.45   | 17.5    |
|           |            | 8       | 4         | 16.47   | 16.42   | 16.42   | 17.5    |
|           |            | 8       | 7         | 16.46   | 16.48   | 16.26   | 17.5    |
|           |            | 15      | 0         | 16.51   | 16.47   | 16.41   | 17.5    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 16.44   | 16.38   | 16.32   | 17.5    |
|           |            | 1       | 13        | 16.55   | 16.37   | 16.22   | 17.5    |
|           |            | 1       | 24        | 16.33   | 16.3    | 16.38   | 17.5    |
|           |            | 12      | 0         | 16.45   | 16.43   | 16.42   | 17.5    |
|           |            | 12      | 6         | 16.41   | 16.42   | 16.52   | 17.5    |
|           |            | 12      | 13        | 16.45   | 16.49   | 16.39   | 17.5    |
|           |            | 25      | 0         | 16.44   | 16.32   | 16.31   | 17.5    |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 16.65   | 16.9    | 16.43   | 17.5    |
|           |            | 1       | 13        | 16.41   | 16.77   | 16.33   | 17.5    |
|           |            | 1       | 24        | 16.32   | 16.64   | 16.21   | 17.5    |
|           |            | 12      | 0         | 16.57   | 16.45   | 16.39   | 17.5    |
|           |            | 12      | 6         | 16.52   | 16.37   | 16.47   | 17.5    |
|           |            | 12      | 13        | 16.35   | 16.53   | 16.37   | 17.5    |
|           |            | 25      | 0         | 16.38   | 16.23   | 16.42   | 17.5    |
|           |            |         |           |         |         |         |         |
|           | 64QAM      | 1       | 0         | 16.76   | 16.71   | 16.5    | 17.5    |
|           |            | 1       | 13        | 16.39   | 16.45   | 16.2    | 17.5    |
|           |            | 1       | 24        | 16.64   | 16.57   | 16.56   | 17.5    |
|           |            | 12      | 0         | 16.51   | 16.34   | 16.44   | 17.5    |
|           |            | 12      | 6         | 16.48   | 16.42   | 16.41   | 17.5    |
|           |            | 12      | 13        | 16.48   | 16.46   | 16.24   | 17.5    |
|           |            | 25      | 0         | 16.51   | 16.49   | 16.38   | 17.5    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 16.54   | 16.45   | 16.52   | 17.5    |
|           |            | 1       | 25        | 16.69   | 15.17   | 16.41   | 17.5    |
|           |            | 1       | 49        | 16.4    | 16.29   | 16.37   | 17.5    |
|           |            | 25      | 0         | 16.48   | 16.42   | 16.37   | 17.5    |
|           |            | 25      | 13        | 16.41   | 16.39   | 16.29   | 17.5    |
|           |            | 25      | 25        | 16.43   | 16.35   | 16.38   | 17.5    |
|           |            | 50      | 0         | 16.38   | 16.5    | 16.36   | 17.5    |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 16.79   | 16.66   | 16.45   | 17.5    |
|           |            | 1       | 25        | 16.39   | 16.33   | 16.57   | 17.5    |
|           |            | 1       | 49        | 16.63   | 16.49   | 16.53   | 17.5    |
|           |            | 25      | 0         | 16.41   | 16.49   | 16.39   | 17.5    |

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|  |       |    |    |       |       |       |      |
|--|-------|----|----|-------|-------|-------|------|
|  |       | 25 | 13 | 16.47 | 16.38 | 16.24 | 17.5 |
|  |       | 25 | 25 | 16.29 | 16.27 | 16.23 | 17.5 |
|  |       | 50 | 0  | 16.29 | 16.28 | 16.41 | 17.5 |
|  | 64QAM | 1  | 0  | 16.77 | 16.7  | 16.52 | 17.5 |
|  |       | 1  | 25 | 16.41 | 16.45 | 16.2  | 17.5 |
|  |       | 1  | 49 | 16.65 | 16.6  | 16.55 | 17.5 |
|  |       | 25 | 0  | 16.52 | 16.34 | 16.43 | 17.5 |
|  |       | 25 | 13 | 16.49 | 16.43 | 16.39 | 17.5 |
|  |       | 25 | 25 | 16.47 | 16.46 | 16.24 | 17.5 |
|  |       | 50 | 0  | 16.51 | 16.47 | 16.39 | 17.5 |

| LTE Band 5 Receiver on(Left head) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                      | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 14.56                | 14.39   | 14.38   | 15.5    |
|  |            | 1       | 2         | 14.79                | 14.12   | 13.55   | 15.5    |
|  |            | 1       | 5         | 14.43                | 14.44   | 14.31   | 15.5    |
|  |            | 3       | 0         | 14.3                 | 14.46   | 14.28   | 15.5    |
|  |            | 3       | 2         | 14.37                | 14.41   | 14.41   | 15.5    |
|  |            | 3       | 3         | 14.49                | 14.24   | 14.21   | 15.5    |
|  |            | 6       | 0         | 14.72                | 14.53   | 14.36   | 15.5    |
|  | 16QAM      | 1       | 0         | 14.74                | 15.06   | 14.62   | 15.5    |
|  |            | 1       | 2         | 14.18                | 14.58   | 13.82   | 15.5    |
|  |            | 1       | 5         | 14.7                 | 14.95   | 14.89   | 15.5    |
|  |            | 3       | 0         | 14.32                | 13.76   | 14.15   | 15.5    |
|  |            | 3       | 2         | 14.01                | 14.48   | 13.56   | 15.5    |
|  |            | 3       | 3         | 14.4                 | 14.31   | 13.89   | 15.5    |
|  |            | 6       | 0         | 14.23                | 14.42   | 14.38   | 15.5    |
|  | 64QAM      | 1       | 0         | 14.69                | 14.7    | 14.52   | 15.5    |
|  |            | 1       | 2         | 14.37                | 14.38   | 14.14   | 15.5    |
|  |            | 1       | 5         | 14.6                 | 14.58   | 14.46   | 15.5    |
|  |            | 3       | 0         | 14.44                | 14.25   | 14.4    | 15.5    |
|  |            | 3       | 2         | 14.43                | 14.36   | 14.3    | 15.5    |
|  |            | 3       | 3         | 14.42                | 14.37   | 14.17   | 15.5    |
|  |            | 6       | 0         | 14.49                | 14.42   | 14.34   | 15.5    |
| Bandwidth                                      | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz   | QPSK       | 1       | 0         | 14.42                | 14.38   | 14.39   | 15.5    |
|  |            | 1       | 7         | 14.48                | 13.45   | 13.22   | 15.5    |
|  |            | 1       | 14        | 14.4                 | 14.36   | 14.3    | 15.5    |
|  |            | 8       | 0         | 14.33                | 14.23   | 14.2    | 15.5    |
|  |            | 8       | 4         | 14.52                | 14.34   | 13.96   | 15.5    |
|  |            | 8       | 7         | 14.17                | 14.49   | 14.36   | 15.5    |
|  |            | 15      | 0         | 14.49                | 14.42   | 14.29   | 15.5    |
|  | 16QAM      | 1       | 0         | 14.75                | 14.9    | 14.3    | 15.5    |

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|           |            | 1       | 7         | 13.08         | 14.59         | 14.11         | 15.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 14        | 14.81         | 14.41         | 14.64         | 15.5    |
|           |            | 8       | 0         | 14.54         | 14.57         | 14.35         | 15.5    |
|           |            | 8       | 4         | 14.33         | 14.28         | 13.95         | 15.5    |
|           |            | 8       | 7         | 14.03         | 14.54         | 14.28         | 15.5    |
|           |            | 15      | 0         | 14.39         | 14.25         | 14.31         | 15.5    |
|           | 64QAM      | 1       | 0         | 14.7          | 14.7          | 14.51         | 15.5    |
|           |            | 1       | 7         | 14.4          | 14.41         | 14.15         | 15.5    |
|           |            | 1       | 14        | 14.62         | 14.6          | 14.5          | 15.5    |
|           |            | 8       | 0         | 14.48         | 14.26         | 14.37         | 15.5    |
|           |            | 8       | 4         | 14.39         | 14.38         | 14.37         | 15.5    |
|           |            | 8       | 7         | 14.47         | 14.38         | 14.17         | 15.5    |
|           |            | 15      | 0         | 14.48         | 14.46         | 14.33         | 15.5    |
|           |            |         |           |               |               |               |         |
| Bandwidth | Modulation | RB size | RB offset | Channel 20425 | Channel 20525 | Channel 20625 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 14.41         | 14.37         | 14.29         | 15.5    |
|           |            | 1       | 13        | 14.4          | 14.34         | 14.23         | 15.5    |
|           |            | 1       | 24        | 14.56         | 14.43         | 14.43         | 15.5    |
|           |            | 12      | 0         | 14.48         | 14.49         | 14.43         | 15.5    |
|           |            | 12      | 6         | 14.45         | 14.48         | 14.22         | 15.5    |
|           |            | 12      | 13        | 14.47         | 14.43         | 14.38         | 15.5    |
|           |            | 25      | 0         | 14.46         | 14.5          | 14.37         | 15.5    |
|           | 16QAM      | 1       | 0         | 14.35         | 14.75         | 14.23         | 15.5    |
|           |            | 1       | 13        | 14.45         | 14.38         | 14.56         | 15.5    |
|           |            | 1       | 24        | 14.33         | 14.2          | 14.61         | 15.5    |
|           |            | 12      | 0         | 14.47         | 14.46         | 14.34         | 15.5    |
|           |            | 12      | 6         | 14.44         | 14.49         | 14.27         | 15.5    |
|           |            | 12      | 13        | 14.36         | 14.42         | 14.34         | 15.5    |
|           |            | 25      | 0         | 14.4          | 14.32         | 14.16         | 15.5    |
|           | 64QAM      | 1       | 0         | 14.75         | 14.62         | 14.46         | 15.5    |
|           |            | 1       | 13        | 14.41         | 14.41         | 14.15         | 15.5    |
|           |            | 1       | 24        | 14.64         | 14.56         | 14.47         | 15.5    |
|           |            | 12      | 0         | 14.5          | 14.27         | 14.37         | 15.5    |
|           |            | 12      | 6         | 14.48         | 14.4          | 14.29         | 15.5    |
|           |            | 12      | 13        | 14.44         | 14.37         | 14.23         | 15.5    |
|           |            | 25      | 0         | 14.44         | 14.42         | 14.32         | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20450 | Channel 20525 | Channel 20600 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 14.59         | 14.44         | 14.39         | 15.5    |
|           |            | 1       | 25        | 13.7          | 14.33         | 14.16         | 15.5    |
|           |            | 1       | 49        | 14.32         | 14.42         | 14.38         | 15.5    |
|           |            | 25      | 0         | 14.48         | 14.43         | 14.4          | 15.5    |
|           |            | 25      | 13        | 14.49         | 14.43         | 14.3          | 15.5    |
|           |            | 25      | 25        | 14.4          | 14.39         | 14.38         | 15.5    |
|           |            | 50      | 0         | 14.49         | 14.4          | 14.38         | 15.5    |
|           | 16QAM      | 1       | 0         | 14.76         | 14.29         | 14.22         | 15.5    |
|           |            | 1       | 25        | 14.5          | 13.8          | 14.71         | 15.5    |

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|  |       |    |    |       |       |       |      |
|--|-------|----|----|-------|-------|-------|------|
|  |       | 1  | 49 | 14.65 | 14.67 | 14.33 | 15.5 |
|  |       | 25 | 0  | 14.37 | 14.33 | 14.3  | 15.5 |
|  |       | 25 | 13 | 14.49 | 14.4  | 14.21 | 15.5 |
|  |       | 25 | 25 | 14.33 | 14.31 | 14.24 | 15.5 |
|  |       | 50 | 0  | 14.42 | 14.34 | 14.29 | 15.5 |
|  | 64QAM | 1  | 0  | 14.73 | 14.62 | 14.46 | 15.5 |
|  |       | 1  | 25 | 14.39 | 14.43 | 14.16 | 15.5 |
|  |       | 1  | 49 | 14.61 | 14.53 | 14.52 | 15.5 |
|  |       | 25 | 0  | 14.43 | 14.28 | 14.34 | 15.5 |
|  |       | 25 | 13 | 14.47 | 14.38 | 14.36 | 15.5 |
|  |       | 25 | 25 | 14.38 | 14.4  | 14.15 | 15.5 |
|  |       | 50 | 0  | 14.46 | 14.44 | 14.39 | 15.5 |

| LTE Band 5 Receiver on(Right head) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 14.48                | 14.36   | 14.44   | 15.5    |
|   |            | 1       | 2         | 13.51                | 13.56   | 14.65   | 15.5    |
|   |            | 1       | 5         | 14.6                 | 14.42   | 14.34   | 15.5    |
|   |            | 3       | 0         | 14.5                 | 14.59   | 14.29   | 15.5    |
|   |            | 3       | 2         | 14.31                | 14.45   | 14.48   | 15.5    |
|   |            | 3       | 3         | 14.19                | 14.22   | 14.24   | 15.5    |
|   |            | 6       | 0         | 14.55                | 14.44   | 14.28   | 15.5    |
|   | 16QAM      | 1       | 0         | 14.82                | 14.37   | 14.43   | 15.5    |
|   |            | 1       | 2         | 14.62                | 14.92   | 14.19   | 15.5    |
|   |            | 1       | 5         | 14.53                | 14.19   | 14.75   | 15.5    |
|   |            | 3       | 0         | 14.48                | 14.2    | 14.15   | 15.5    |
|   |            | 3       | 2         | 14.73                | 14.44   | 14.42   | 15.5    |
|   |            | 3       | 3         | 14.46                | 14.37   | 14.18   | 15.5    |
|   |            | 6       | 0         | 14.41                | 14.14   | 14.28   | 15.5    |
|   | 64QAM      | 1       | 0         | 14.69                | 14.53   | 14.37   | 15.5    |
|   |            | 1       | 2         | 14.36                | 14.35   | 14.09   | 15.5    |
|   |            | 1       | 5         | 14.55                | 14.49   | 14.46   | 15.5    |
|   |            | 3       | 0         | 14.38                | 14.21   | 14.28   | 15.5    |
|   |            | 3       | 2         | 14.38                | 14.31   | 14.29   | 15.5    |
|   |            | 3       | 3         | 14.29                | 14.38   | 14.13   | 15.5    |
|   |            | 6       | 0         | 14.44                | 14.38   | 14.36   | 15.5    |
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz  | QPSK       | 1       | 0         | 14.61                | 14.39   | 14.31   | 15.5    |
|   |            | 1       | 7         | 13.58                | 13.18   | 14.45   | 15.5    |
|   |            | 1       | 14        | 14.36                | 14.38   | 14.33   | 15.5    |
|   |            | 8       | 0         | 14.43                | 14.26   | 14.29   | 15.5    |
|   |            | 8       | 4         | 14.4                 | 14.41   | 14.32   | 15.5    |
|   |            | 8       | 7         | 14.36                | 14.36   | 14.3    | 15.5    |

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|           | 16QAM      | 15      | 0         | 14.51         | 14.41         | 14.34         | 15.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 14.84         | 14.07         | 14.1          | 15.5    |
|           |            | 1       | 7         | 14.72         | 14.74         | 14.57         | 15.5    |
|           |            | 1       | 14        | 14.48         | 15.01         | 14.77         | 15.5    |
|           |            | 8       | 0         | 14.25         | 14.23         | 14.47         | 15.5    |
|           |            | 8       | 4         | 14.34         | 14.37         | 14.23         | 15.5    |
|           |            | 8       | 7         | 14.41         | 14.45         | 14.41         | 15.5    |
|           |            | 15      | 0         | 14.32         | 14.37         | 14.27         | 15.5    |
|           | 64QAM      | 1       | 0         | 14.65         | 14.61         | 14.38         | 15.5    |
|           |            | 1       | 7         | 14.37         | 14.37         | 14.09         | 15.5    |
|           |            | 1       | 14        | 14.59         | 14.5          | 14.46         | 15.5    |
|           |            | 8       | 0         | 14.35         | 14.19         | 14.27         | 15.5    |
|           |            | 8       | 4         | 14.39         | 14.33         | 14.32         | 15.5    |
|           |            | 8       | 7         | 14.29         | 14.35         | 14.08         | 15.5    |
|           |            | 15      | 0         | 14.38         | 14.34         | 14.31         | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20425 | Channel 20525 | Channel 20625 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 14.49         | 14.48         | 14.34         | 15.5    |
|           |            | 1       | 13        | 14.39         | 14.39         | 14.25         | 15.5    |
|           |            | 1       | 24        | 14.34         | 14.47         | 14.32         | 15.5    |
|           |            | 12      | 0         | 14.5          | 14.48         | 14.42         | 15.5    |
|           |            | 12      | 6         | 14.43         | 14.16         | 14.24         | 15.5    |
|           |            | 12      | 13        | 14.47         | 14.43         | 14.4          | 15.5    |
|           |            | 25      | 0         | 14.35         | 14.38         | 14.37         | 15.5    |
|           | 16QAM      | 1       | 0         | 14.81         | 14.73         | 14.56         | 15.5    |
|           |            | 1       | 13        | 14.45         | 14.27         | 14.33         | 15.5    |
|           |            | 1       | 24        | 14.64         | 14.83         | 14.4          | 15.5    |
|           |            | 12      | 0         | 14.52         | 14.39         | 14.44         | 15.5    |
|           |            | 12      | 6         | 14.35         | 14.24         | 14.21         | 15.5    |
|           |            | 12      | 13        | 14.46         | 14.51         | 14.27         | 15.5    |
|           |            | 25      | 0         | 14.36         | 14.3          | 14.32         | 15.5    |
|           | 64QAM      | 1       | 0         | 14.66         | 14.57         | 14.39         | 15.5    |
|           |            | 1       | 13        | 14.32         | 14.39         | 14.12         | 15.5    |
|           |            | 1       | 24        | 14.51         | 14.52         | 14.52         | 15.5    |
|           |            | 12      | 0         | 14.41         | 14.28         | 14.28         | 15.5    |
|           |            | 12      | 6         | 14.45         | 14.36         | 14.35         | 15.5    |
|           |            | 12      | 13        | 14.29         | 14.38         | 14.1          | 15.5    |
|           |            | 25      | 0         | 14.39         | 14.4          | 14.37         | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20450 | Channel 20525 | Channel 20600 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 14.45         | 14.26         | 14.36         | 15.5    |
|           |            | 1       | 25        | 13.44         | 13.65         | 14.36         | 15.5    |
|           |            | 1       | 49        | 14.27         | 14.38         | 14.42         | 15.5    |
|           |            | 25      | 0         | 14.44         | 14.43         | 14.39         | 15.5    |
|           |            | 25      | 13        | 14.48         | 14.31         | 14.4          | 15.5    |
|           |            | 25      | 25        | 14.38         | 14.38         | 14.37         | 15.5    |
|           |            | 50      | 0         | 14.35         | 14.4          | 14.38         | 15.5    |

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|  |       |    |    |       |       |       |      |
|--|-------|----|----|-------|-------|-------|------|
|  | 16QAM | 1  | 0  | 14    | 14.5  | 14.59 | 15.5 |
|  |       | 1  | 25 | 14.94 | 14.63 | 14.42 | 15.5 |
|  |       | 1  | 49 | 14.83 | 14.66 | 13.98 | 15.5 |
|  |       | 25 | 0  | 14.43 | 14.33 | 14.29 | 15.5 |
|  |       | 25 | 13 | 14.34 | 14.4  | 14.19 | 15.5 |
|  |       | 25 | 25 | 14.52 | 14.35 | 14.27 | 15.5 |
|  |       | 50 | 0  | 14.41 | 14.32 | 14.27 | 15.5 |
|  | 64QAM | 1  | 0  | 14.72 | 14.61 | 14.39 | 15.5 |
|  |       | 1  | 25 | 14.35 | 14.35 | 14.11 | 15.5 |
|  |       | 1  | 49 | 14.54 | 14.45 | 14.46 | 15.5 |
|  |       | 25 | 0  | 14.34 | 14.19 | 14.31 | 15.5 |
|  |       | 25 | 13 | 14.46 | 14.31 | 14.3  | 15.5 |
|  |       | 25 | 25 | 14.33 | 14.3  | 14.08 | 15.5 |
|  |       | 50 | 0  | 14.39 | 14.35 | 14.36 | 15.5 |

| LTE Band 5 Receiver on(Left head) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                                 | QPSK       | 1       | 0         | 17.57                | 17.43   | 17.37   | 18.5    |
|  |            | 1       | 2         | 17.09                | 17.01   | 16.76   | 18.5    |
|  |            | 1       | 5         | 17.43                | 17.37   | 17.27   | 18.5    |
|  |            | 3       | 0         | 17.48                | 17.38   | 17.36   | 18.5    |
|  |            | 3       | 2         | 16.77                | 17.27   | 17.39   | 18.5    |
|  |            | 3       | 3         | 17.43                | 17.57   | 17.31   | 18.5    |
|  |            | 6       | 0         | 17.1                 | 17.43   | 17.32   | 18.5    |
|  | 16QAM      | 1       | 0         | 17.59                | 17.62   | 17.91   | 18.5    |
|  |            | 1       | 2         | 16.56                | 17.53   | 17.35   | 18.5    |
|  |            | 1       | 5         | 17.59                | 17.47   | 17.66   | 18.5    |
|  |            | 3       | 0         | 17.53                | 17.42   | 17.42   | 18.5    |
|  |            | 3       | 2         | 17.54                | 17.43   | 17.43   | 18.5    |
|  |            | 3       | 3         | 17.44                | 17.24   | 17.23   | 18.5    |
|  |            | 6       | 0         | 17.24                | 17.31   | 17.22   | 18.5    |
|  | 64QAM      | 1       | 0         | 17.68                | 17.44   | 17.37   | 18.5    |
|  |            | 1       | 2         | 17.35                | 17.27   | 17      | 18.5    |
|  |            | 1       | 5         | 17.45                | 17.47   | 17.44   | 18.5    |
|  |            | 3       | 0         | 17.33                | 17.21   | 17.24   | 18.5    |
|  |            | 3       | 2         | 17.37                | 17.25   | 17.24   | 18.5    |
|  |            | 3       | 3         | 17.21                | 17.34   | 17.05   | 18.5    |
|  |            | 6       | 0         | 17.39                | 17.3    | 17.32   | 18.5    |
| Bandwidth                              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz                                   | QPSK       | 1       | 0         | 17.55                | 17.44   | 17.23   | 18.5    |
|  |            | 1       | 7         | 17.86                | 16.58   | 16.74   | 18.5    |
|  |            | 1       | 14        | 17.46                | 17.36   | 17.37   | 18.5    |
|  |            | 8       | 0         | 17.49                | 17.28   | 17.25   | 18.5    |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 4         | 17.43   | 17.45   | 17.12   | 18.5    |
|           |            | 8       | 7         | 17.59   | 17.25   | 17.24   | 18.5    |
|           |            | 15      | 0         | 17.53   | 17.32   | 17.33   | 18.5    |
|           |            | 1       | 0         | 18.09   | 17.86   | 17.37   | 18.5    |
|           |            | 1       | 7         | 16.68   | 17.21   | 17.52   | 18.5    |
|           |            | 1       | 14        | 17.74   | 17.38   | 17.42   | 18.5    |
|           |            | 8       | 0         | 17.47   | 17.43   | 17.29   | 18.5    |
|           |            | 8       | 4         | 17.49   | 17.52   | 17.15   | 18.5    |
|           |            | 8       | 7         | 17.4    | 17.13   | 17.37   | 18.5    |
|           |            | 15      | 0         | 17.28   | 17.47   | 17.15   | 18.5    |
|           | 16QAM      | 1       | 0         | 17.6    | 17.45   | 17.32   | 18.5    |
|           |            | 1       | 7         | 17.32   | 17.3    | 17.05   | 18.5    |
|           |            | 1       | 14        | 17.45   | 17.45   | 17.39   | 18.5    |
|           |            | 8       | 0         | 17.34   | 17.16   | 17.25   | 18.5    |
|           |            | 8       | 4         | 17.37   | 17.23   | 17.29   | 18.5    |
|           |            | 8       | 7         | 17.25   | 17.3    | 17.11   | 18.5    |
|           |            | 15      | 0         | 17.42   | 17.31   | 17.32   | 18.5    |
|           | 64QAM      | 1       | 0         | 17.6    | 17.45   | 17.32   | 18.5    |
|           |            | 1       | 7         | 17.32   | 17.3    | 17.05   | 18.5    |
|           |            | 1       | 14        | 17.45   | 17.45   | 17.39   | 18.5    |
|           |            | 8       | 0         | 17.34   | 17.16   | 17.25   | 18.5    |
|           |            | 8       | 4         | 17.37   | 17.23   | 17.29   | 18.5    |
|           |            | 8       | 7         | 17.25   | 17.3    | 17.11   | 18.5    |
|           |            | 15      | 0         | 17.42   | 17.31   | 17.32   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.41   | 17.42   | 17.38   | 18.5    |
|           |            | 1       | 13        | 17.46   | 17.36   | 17.33   | 18.5    |
|           |            | 1       | 24        | 17.41   | 17.32   | 17.3    | 18.5    |
|           |            | 12      | 0         | 17.47   | 17.46   | 17.34   | 18.5    |
|           |            | 12      | 6         | 17.4    | 17.34   | 17.41   | 18.5    |
|           |            | 12      | 13        | 17.46   | 17.51   | 17.41   | 18.5    |
|           |            | 25      | 0         | 17.45   | 17.33   | 17.38   | 18.5    |
|           |            | 25      | 0         | 17.45   | 17.33   | 17.38   | 18.5    |
|           | 16QAM      | 1       | 0         | 17.46   | 17.61   | 17.95   | 18.5    |
|           |            | 1       | 13        | 17.6    | 17.59   | 17.74   | 18.5    |
|           |            | 1       | 24        | 17.64   | 17.36   | 17.62   | 18.5    |
|           |            | 12      | 0         | 17.5    | 17.47   | 17.36   | 18.5    |
|           |            | 12      | 6         | 17.4    | 17.33   | 17.09   | 18.5    |
|           |            | 12      | 13        | 17.38   | 17.42   | 17.35   | 18.5    |
|           |            | 25      | 0         | 17.44   | 17.5    | 17.32   | 18.5    |
|           |            | 25      | 0         | 17.44   | 17.5    | 17.32   | 18.5    |
|           | 64QAM      | 1       | 0         | 17.64   | 17.44   | 17.31   | 18.5    |
|           |            | 1       | 13        | 17.34   | 17.3    | 17.02   | 18.5    |
|           |            | 1       | 24        | 17.49   | 17.41   | 17.41   | 18.5    |
|           |            | 12      | 0         | 17.33   | 17.16   | 17.26   | 18.5    |
|           |            | 12      | 6         | 17.33   | 17.21   | 17.26   | 18.5    |
|           |            | 12      | 13        | 17.28   | 17.33   | 17.11   | 18.5    |
|           |            | 25      | 0         | 17.36   | 17.33   | 17.31   | 18.5    |
|           |            | 25      | 0         | 17.36   | 17.33   | 17.31   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.35   | 17.32   | 17.34   | 18.5    |
|           |            | 1       | 25        | 17.37   | 17.09   | 17.24   | 18.5    |
|           |            | 1       | 49        | 17.37   | 17.37   | 17.23   | 18.5    |
|           |            | 25      | 0         | 17.38   | 17.47   | 17.33   | 18.5    |
|           |            | 25      | 13        | 17.29   | 17.32   | 17.35   | 18.5    |

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|  |       |    |    |       |       |       |      |
|--|-------|----|----|-------|-------|-------|------|
|  |       | 25 | 25 | 17.42 | 17.38 | 17.45 | 18.5 |
|  |       | 50 | 0  | 17.4  | 17.42 | 17.3  | 18.5 |
|  | 16QAM | 1  | 0  | 18.11 | 17.74 | 17.33 | 18.5 |
|  |       | 1  | 25 | 17.86 | 17.75 | 17.44 | 18.5 |
|  |       | 1  | 49 | 17.5  | 17.79 | 17.92 | 18.5 |
|  |       | 25 | 0  | 17.3  | 17.4  | 17.29 | 18.5 |
|  |       | 25 | 13 | 17.42 | 17.35 | 17.22 | 18.5 |
|  |       | 25 | 25 | 17.3  | 17.34 | 17.36 | 18.5 |
|  |       | 50 | 0  | 17.33 | 17.32 | 17.32 | 18.5 |
|  |       | 1  | 0  | 17.6  | 17.45 | 17.29 | 18.5 |
|  | 64QAM | 1  | 25 | 17.31 | 17.28 | 17.06 | 18.5 |
|  |       | 1  | 49 | 17.54 | 17.42 | 17.43 | 18.5 |
|  |       | 25 | 0  | 17.31 | 17.19 | 17.24 | 18.5 |
|  |       | 25 | 13 | 17.28 | 17.29 | 17.22 | 18.5 |
|  |       | 25 | 25 | 17.23 | 17.34 | 17.1  | 18.5 |
|  |       | 50 | 0  | 17.42 | 17.3  | 17.28 | 18.5 |

| LTE Band 5 Receiver on(Right head) + BT |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel 20407        | Channel 20525 | Channel 20643 | Tune up |
| 1.4MHz                                  | QPSK       | 1       | 0         | 17.53                | 17.45         | 17.36         | 18.5    |
|   |            | 1       | 2         | 17.66                | 17.58         | 16.45         | 18.5    |
|   |            | 1       | 5         | 17.48                | 17.39         | 17.32         | 18.5    |
|   |            | 3       | 0         | 17.45                | 17.46         | 17.19         | 18.5    |
|   |            | 3       | 2         | 17.34                | 17.32         | 17.42         | 18.5    |
|   |            | 3       | 3         | 17.18                | 17.37         | 17.23         | 18.5    |
|   |            | 6       | 0         | 17.35                | 17.31         | 17.38         | 18.5    |
|   | 16QAM      | 1       | 0         | 17.56                | 17.63         | 17.52         | 18.5    |
|   |            | 1       | 2         | 18.14                | 17.15         | 16.79         | 18.5    |
|   |            | 1       | 5         | 17.8                 | 17.86         | 17.65         | 18.5    |
|   |            | 3       | 0         | 17.49                | 17.33         | 17.28         | 18.5    |
|   |            | 3       | 2         | 17.27                | 16.64         | 16.93         | 18.5    |
|   |            | 3       | 3         | 16.98                | 16.99         | 17.39         | 18.5    |
|   |            | 6       | 0         | 17.55                | 17.4          | 17.15         | 18.5    |
|   | 64QAM      | 1       | 0         | 17.55                | 17.39         | 17.24         | 18.5    |
|   |            | 1       | 2         | 17.26                | 17.27         | 17.05         | 18.5    |
|   |            | 1       | 5         | 17.49                | 17.38         | 17.41         | 18.5    |
|   |            | 3       | 0         | 17.31                | 17.13         | 17.23         | 18.5    |
|   |            | 3       | 2         | 17.25                | 17.24         | 17.21         | 18.5    |
|   |            | 3       | 3         | 17.23                | 17.26         | 17.05         | 18.5    |
|   |            | 6       | 0         | 17.41                | 17.24         | 17.2          | 18.5    |
| Bandwidth                               | Modulation | RB size | RB offset | Channel 20415        | Channel 20525 | Channel 20635 | Tune up |
| 3MHz                                    | QPSK       | 1       | 0         | 17.51                | 17.44         | 17.31         | 18.5    |
|   |            | 1       | 7         | 16.09                | 17.19         | 15.84         | 18.5    |

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|  |                  |                   |                |                  |                |                |                |
|--|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|
|  |                  | 1                 | 14             | 17.43            | 17.32          | 17.37          | 18.5           |
|  |                  | 8                 | 0              | 17.45            | 17.62          | 17.36          | 18.5           |
|  |                  | 8                 | 4              | 17.42            | 17.56          | 17.4           | 18.5           |
|  |                  | 8                 | 7              | 17.21            | 17.36          | 17.26          | 18.5           |
|  |                  | 15                | 0              | 17.52            | 17.43          | 17.43          | 18.5           |
|  | 16QAM            | 1                 | 0              | 17.79            | 18.04          | 17.58          | 18.5           |
|  |                  | 1                 | 7              | 17.83            | 17.09          | 16.4           | 18.5           |
|  |                  | 1                 | 14             | 18.04            | 17.86          | 17.49          | 18.5           |
|  |                  | 8                 | 0              | 17.45            | 17.39          | 17.27          | 18.5           |
|  |                  | 8                 | 4              | 17.4             | 17.32          | 17.3           | 18.5           |
|  |                  | 8                 | 7              | 17.15            | 17.17          | 17.25          | 18.5           |
|  |                  | 15                | 0              | 17.45            | 17.24          | 17.21          | 18.5           |
|  | 64QAM            | 1                 | 0              | 17.54            | 17.44          | 17.24          | 18.5           |
|  |                  | 1                 | 7              | 17.29            | 17.21          | 17.02          | 18.5           |
|  |                  | 1                 | 14             | 17.48            | 17.37          | 17.43          | 18.5           |
|  |                  | 8                 | 0              | 17.28            | 17.14          | 17.22          | 18.5           |
|  |                  | 8                 | 4              | 17.2             | 17.26          | 17.16          | 18.5           |
|  |                  | 8                 | 7              | 17.16            | 17.33          | 17.02          | 18.5           |
|  |                  | 15                | 0              | 17.39            | 17.22          | 17.21          | 18.5           |
|  | <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> |
|  | 5MHz             | QPSK              |                |                  | 20425          | 20525          | 20625          |
|  |                  |                   | 1              | 0                | 17.47          | 17.37          | 17.33          |
|  |                  |                   | 1              | 13               | 17.43          | 17.42          | 17.38          |
|  |                  |                   | 1              | 24               | 17.31          | 17.33          | 17.28          |
|  |                  |                   | 12             | 0                | 17.45          | 17.46          | 17.46          |
|  |                  |                   | 12             | 6                | 17.38          | 17.45          | 17.27          |
|  |                  |                   | 12             | 13               | 17.44          | 17.49          | 17.41          |
|  |                  | 16QAM             | 25             | 0                | 17.3           | 17.45          | 17.39          |
|  |                  |                   | 1              | 0                | 17.14          | 17.83          | 17.55          |
|  |                  |                   | 1              | 13               | 17.88          | 17.15          | 17.81          |
|  |                  |                   | 1              | 24               | 17.34          | 17.84          | 17.82          |
|  |                  |                   | 12             | 0                | 17.33          | 17.37          | 17.43          |
|  |                  |                   | 12             | 6                | 17.17          | 17.44          | 17.21          |
|  |                  |                   | 12             | 13               | 17.37          | 17.54          | 17.34          |
|  |                  | 64QAM             | 25             | 0                | 17.37          | 17.39          | 17.3           |
|  |                  |                   | 1              | 0                | 17.57          | 17.4           | 17.24          |
|  |                  |                   | 1              | 13               | 17.26          | 17.28          | 16.99          |
|  |                  |                   | 1              | 24               | 17.51          | 17.35          | 17.41          |
|  |                  |                   | 12             | 0                | 17.3           | 17.12          | 17.19          |
|  |                  |                   | 12             | 6                | 17.26          | 17.24          | 17.18          |
|  |                  |                   | 12             | 13               | 17.2           | 17.31          | 17.05          |
|  |                  |                   | 25             | 0                | 17.39          | 17.24          | 17.21          |
|  | <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> |
|  | 10MHz            | QPSK              |                |                  | 20450          | 20525          | 20600          |
|  |                  |                   | 1              | 0                | 17.42          | 17.4           | 17.39          |
|  |                  |                   | 1              | 25               | 17.12          | 17.23          | 17.05          |
|  |                  |                   | 1              | 49               | 17.43          | 17.32          | 17.35          |

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|  |       |    |    |       |       |       |      |
|--|-------|----|----|-------|-------|-------|------|
|  |       | 25 | 0  | 17.49 | 17.33 | 17.42 | 18.5 |
|  |       | 25 | 13 | 17.4  | 17.44 | 17.32 | 18.5 |
|  |       | 25 | 25 | 17.41 | 17.36 | 17.29 | 18.5 |
|  |       | 50 | 0  | 17.38 | 17.39 | 17.41 | 18.5 |
|  | 16QAM | 1  | 0  | 17.9  | 18.02 | 17.59 | 18.5 |
|  |       | 1  | 25 | 17.54 | 17.63 | 18    | 18.5 |
|  |       | 1  | 49 | 17.15 | 17.94 | 17.56 | 18.5 |
|  |       | 25 | 0  | 17.47 | 17.33 | 17.22 | 18.5 |
|  |       | 25 | 13 | 17.27 | 17.35 | 17.26 | 18.5 |
|  |       | 25 | 25 | 17.45 | 17.32 | 17.37 | 18.5 |
|  |       | 50 | 0  | 17.31 | 17.33 | 17.31 | 18.5 |
|  |       | 1  | 0  | 17.57 | 17.44 | 17.27 | 18.5 |
|  | 64QAM | 1  | 25 | 17.28 | 17.25 | 17.02 | 18.5 |
|  |       | 1  | 49 | 17.53 | 17.38 | 17.42 | 18.5 |
|  |       | 25 | 0  | 17.3  | 17.11 | 17.24 | 18.5 |
|  |       | 25 | 13 | 17.24 | 17.27 | 17.18 | 18.5 |
|  |       | 25 | 25 | 17.22 | 17.27 | 17.07 | 18.5 |
|  |       | 50 | 0  | 17.39 | 17.3  | 17.21 | 18.5 |

| LTE Band 5 Receiver off (body or limbs) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                                       | QPSK       | 1       | 0         | 21.61                | 21.44   | 21.42   | 22.5    |
|  |            | 1       | 2         | 21.8                 | 21.11   | 21.07   | 22.5    |
|  |            | 1       | 5         | 21.41                | 21.53   | 21.39   | 22.5    |
|  |            | 3       | 0         | 21.51                | 21.38   | 21.4    | 22.5    |
|  |            | 3       | 2         | 21.3                 | 21.21   | 20.77   | 22.5    |
|  |            | 3       | 3         | 21.55                | 21.31   | 21.11   | 22.5    |
|  |            | 6       | 0         | 21.48                | 21.2    | 20.94   | 22.5    |
|  | 16QAM      | 1       | 0         | 22.12                | 22.02   | 21.62   | 22.5    |
|  |            | 1       | 2         | 21.55                | 21.42   | 21.52   | 22.5    |
|  |            | 1       | 5         | 21.89                | 21.99   | 21.67   | 22.5    |
|  |            | 3       | 0         | 21.33                | 21.62   | 21.18   | 22.5    |
|  |            | 3       | 2         | 21.49                | 21.14   | 21.29   | 22.5    |
|  |            | 3       | 3         | 21.07                | 21.01   | 21.37   | 22.5    |
|  |            | 6       | 0         | 20.85                | 20.87   | 21.11   | 22.5    |
|  | 64QAM      | 1       | 0         | 21.59                | 21.51   | 21.3    | 22.5    |
|  |            | 1       | 2         | 21.31                | 21.3    | 21.06   | 22.5    |
|  |            | 1       | 5         | 21.6                 | 21.39   | 21.45   | 22.5    |
|  |            | 3       | 0         | 21.32                | 21.11   | 21.27   | 22.5    |
|  |            | 3       | 2         | 21.3                 | 21.27   | 21.24   | 22.5    |
|  |            | 3       | 3         | 21.29                | 21.34   | 21.08   | 22.5    |
|  |            | 6       | 0         | 21.39                | 21.32   | 21.23   | 22.5    |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20415   | 20525   | 20635   |         |
| 3MHz      | QPSK       | 1       | 0         | 21.61   | 21.47   | 21.48   | 22.5    |
|           |            | 1       | 7         | 20.92   | 21.06   | 20.52   | 22.5    |
|           |            | 1       | 14        | 21.44   | 21.33   | 21.27   | 22.5    |
|           |            | 8       | 0         | 21.38   | 21.34   | 21.13   | 22.5    |
|           |            | 8       | 4         | 21.52   | 20.94   | 21.37   | 22.5    |
|           |            | 8       | 7         | 21.39   | 21.46   | 21.34   | 22.5    |
|           |            | 15      | 0         | 21.44   | 21.49   | 21.21   | 22.5    |
|           | 16QAM      | 1       | 0         | 21.55   | 21.83   | 21.63   | 22.5    |
|           |            | 1       | 7         | 21.55   | 20.04   | 21.54   | 22.5    |
|           |            | 1       | 14        | 21.52   | 21.87   | 21.89   | 22.5    |
|           |            | 8       | 0         | 20.91   | 20.93   | 20.78   | 22.5    |
|           |            | 8       | 4         | 20.95   | 20.96   | 20.9    | 22.5    |
|           |            | 8       | 7         | 20.64   | 20.91   | 20.93   | 22.5    |
|           |            | 15      | 0         | 20.88   | 20.83   | 20.62   | 22.5    |
|           | 64QAM      | 1       | 0         | 21.58   | 21.51   | 21.28   | 22.5    |
|           |            | 1       | 7         | 21.35   | 21.27   | 21.1    | 22.5    |
|           |            | 1       | 14        | 21.54   | 21.42   | 21.44   | 22.5    |
|           |            | 8       | 0         | 21.32   | 21.16   | 21.27   | 22.5    |
|           |            | 8       | 4         | 21.25   | 21.3    | 21.24   | 22.5    |
|           |            | 8       | 7         | 21.25   | 21.28   | 21.13   | 22.5    |
|           |            | 15      | 0         | 21.44   | 21.32   | 21.27   | 22.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 21.5    | 21.37   | 21.22   | 22.5    |
|           |            | 1       | 13        | 21.42   | 21.49   | 21.38   | 22.5    |
|           |            | 1       | 24        | 21.45   | 21.37   | 21.32   | 22.5    |
|           |            | 12      | 0         | 21.54   | 21.56   | 21.38   | 22.5    |
|           |            | 12      | 6         | 21.36   | 21.51   | 21.23   | 22.5    |
|           |            | 12      | 13        | 21.41   | 21.5    | 21.36   | 22.5    |
|           |            | 25      | 0         | 21.52   | 21.44   | 21.35   | 22.5    |
|           | 16QAM      | 1       | 0         | 21.83   | 21.72   | 21.8    | 22.5    |
|           |            | 1       | 13        | 21.43   | 21.92   | 21.66   | 22.5    |
|           |            | 1       | 24        | 21.52   | 21.64   | 21.9    | 22.5    |
|           |            | 12      | 0         | 20.96   | 21.05   | 20.95   | 22.5    |
|           |            | 12      | 6         | 21      | 20.97   | 20.73   | 22.5    |
|           |            | 12      | 13        | 21.08   | 20.96   | 20.87   | 22.5    |
|           |            | 25      | 0         | 20.87   | 20.91   | 20.76   | 22.5    |
|           | 64QAM      | 1       | 0         | 21.57   | 21.46   | 21.31   | 22.5    |
|           |            | 1       | 13        | 21.32   | 21.32   | 21.07   | 22.5    |
|           |            | 1       | 24        | 21.6    | 21.45   | 21.44   | 22.5    |
|           |            | 12      | 0         | 21.3    | 21.12   | 21.3    | 22.5    |
|           |            | 12      | 6         | 21.25   | 21.31   | 21.21   | 22.5    |
|           |            | 12      | 13        | 21.26   | 21.31   | 21.1    | 22.5    |
|           |            | 25      | 0         | 21.41   | 21.33   | 21.25   | 22.5    |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 21.54   | 21.39   | 21.4    | 22.5    |
|           |            | 1       | 25        | 21.38   | 21.4    | 21.31   | 22.5    |
|           |            | 1       | 49        | 21.48   | 21.49   | 21.39   | 22.5    |
|           |            | 25      | 0         | 21.45   | 21.42   | 21.45   | 22.5    |
|           |            | 25      | 13        | 21.47   | 21.44   | 21.4    | 22.5    |
|           |            | 25      | 25        | 21.37   | 21.49   | 21.39   | 22.5    |
|           |            | 50      | 0         | 21.46   | 21.5    | 21.42   | 22.5    |
|           | 16QAM      | 1       | 0         | 21.41   | 21.81   | 21.68   | 22.5    |
|           |            | 1       | 25        | 21.69   | 20.33   | 21.66   | 22.5    |
|           |            | 1       | 49        | 21.88   | 21.56   | 21.87   | 22.5    |
|           |            | 25      | 0         | 20.85   | 20.8    | 20.84   | 22.5    |
|           |            | 25      | 13        | 20.88   | 20.78   | 20.81   | 22.5    |
|           |            | 25      | 25        | 20.86   | 20.99   | 20.8    | 22.5    |
|           |            | 50      | 0         | 20.91   | 20.89   | 20.77   | 22.5    |
|           | 64QAM      | 1       | 0         | 21.61   | 21.51   | 21.27   | 22.5    |
|           |            | 1       | 25        | 21.35   | 21.32   | 21.08   | 22.5    |
|           |            | 1       | 49        | 21.6    | 21.45   | 21.43   | 22.5    |
|           |            | 25      | 0         | 21.33   | 21.12   | 21.28   | 22.5    |
|           |            | 25      | 13        | 21.28   | 21.28   | 21.19   | 22.5    |
|           |            | 25      | 25        | 21.27   | 21.27   | 21.09   | 22.5    |
|           |            | 50      | 0         | 21.4    | 21.3    | 21.26   | 22.5    |

| LTE Band 5 Receiver on(Left head) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 16.54                | 16.38   | 16.34   | 17.5    |
|   |            | 1       | 2         | 16.6                 | 16.68   | 16.53   | 17.5    |
|   |            | 1       | 5         | 16.45                | 16.41   | 16.28   | 17.5    |
|   |            | 3       | 0         | 16.43                | 16.43   | 16.36   | 17.5    |
|   |            | 3       | 2         | 16.47                | 16.1    | 16.26   | 17.5    |
|   |            | 3       | 3         | 16.37                | 16.43   | 16.22   | 17.5    |
|   |            | 6       | 0         | 16.44                | 16.5    | 16.1    | 17.5    |
|   | 16QAM      | 1       | 0         | 16.82                | 16.62   | 16.39   | 17.5    |
|   |            | 1       | 2         | 16.69                | 15.89   | 15.98   | 17.5    |
|   |            | 1       | 5         | 16.7                 | 16.75   | 16.67   | 17.5    |
|   |            | 3       | 0         | 16.66                | 15.74   | 16.2    | 17.5    |
|   |            | 3       | 2         | 15.94                | 16.33   | 16.28   | 17.5    |
|   |            | 3       | 3         | 16.41                | 16.39   | 16.46   | 17.5    |
|   |            | 6       | 0         | 16.57                | 16.56   | 16.17   | 17.5    |
|   | 64QAM      | 1       | 0         | 16.5                 | 16.33   | 16.17   | 17.5    |
|   |            | 1       | 2         | 16.23                | 16.23   | 16.03   | 17.5    |
|   |            | 1       | 5         | 16.44                | 16.32   | 16.36   | 17.5    |
|   |            | 3       | 0         | 16.28                | 16.04   | 16.16   | 17.5    |

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|           |            | 3       | 2         | 16.21   | 16.23   | 16.13   | 17.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 3         | 16.2    | 16.18   | 16.05   | 17.5    |
|           |            | 6       | 0         | 16.32   | 16.18   | 16.19   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20415   | 20525   | 20635   |         |
| 3MHz      | QPSK       | 1       | 0         | 16.44   | 16.37   | 16.27   | 17.5    |
|           |            | 1       | 7         | 15.27   | 16.41   | 14.98   | 17.5    |
|           |            | 1       | 14        | 16.46   | 16.37   | 16.32   | 17.5    |
|           |            | 8       | 0         | 16.37   | 16.45   | 16.2    | 17.5    |
|           |            | 8       | 4         | 16.36   | 16.33   | 16.36   | 17.5    |
|           |            | 8       | 7         | 16.39   | 16.43   | 16.43   | 17.5    |
|           |            | 15      | 0         | 16.43   | 16.43   | 16.37   | 17.5    |
|           | 16QAM      | 1       | 0         | 16.8    | 16.67   | 16.5    | 17.5    |
|           |            | 1       | 7         | 16.42   | 16.24   | 16.18   | 17.5    |
|           |            | 1       | 14        | 16.7    | 16.69   | 16.21   | 17.5    |
|           |            | 8       | 0         | 16.38   | 15.95   | 16.16   | 17.5    |
|           |            | 8       | 4         | 16.46   | 16.52   | 16.27   | 17.5    |
|           |            | 8       | 7         | 16.33   | 16.46   | 16.45   | 17.5    |
|           |            | 15      | 0         | 16.35   | 16.34   | 16.35   | 17.5    |
|           | 64QAM      | 1       | 0         | 16.53   | 16.34   | 16.17   | 17.5    |
|           |            | 1       | 7         | 16.19   | 16.25   | 16.04   | 17.5    |
|           |            | 1       | 14        | 16.4    | 16.29   | 16.31   | 17.5    |
|           |            | 8       | 0         | 16.28   | 16.04   | 16.18   | 17.5    |
|           |            | 8       | 4         | 16.24   | 16.17   | 16.12   | 17.5    |
|           |            | 8       | 7         | 16.17   | 16.19   | 16.04   | 17.5    |
|           |            | 15      | 0         | 16.34   | 16.15   | 16.12   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 16.39   | 16.38   | 16.37   | 17.5    |
|           |            | 1       | 13        | 16.41   | 16.54   | 16.35   | 17.5    |
|           |            | 1       | 24        | 16.33   | 16.31   | 16.36   | 17.5    |
|           |            | 12      | 0         | 16.41   | 16.49   | 16.52   | 17.5    |
|           |            | 12      | 6         | 16.42   | 16.37   | 16.34   | 17.5    |
|           |            | 12      | 13        | 16.41   | 16.46   | 16.35   | 17.5    |
|           |            | 25      | 0         | 16.46   | 16.36   | 16.32   | 17.5    |
|           | 16QAM      | 1       | 0         | 16.78   | 16.74   | 16.69   | 17.5    |
|           |            | 1       | 13        | 16.86   | 16.76   | 16.66   | 17.5    |
|           |            | 1       | 24        | 16.65   | 16.6    | 16.5    | 17.5    |
|           |            | 12      | 0         | 16.59   | 16.41   | 16.26   | 17.5    |
|           |            | 12      | 6         | 16.44   | 16.55   | 16.33   | 17.5    |
|           |            | 12      | 13        | 16.44   | 16.39   | 16.55   | 17.5    |
|           |            | 25      | 0         | 16.3    | 16.37   | 16.28   | 17.5    |
|           | 64QAM      | 1       | 0         | 16.5    | 16.36   | 16.21   | 17.5    |
|           |            | 1       | 13        | 16.24   | 16.22   | 16.02   | 17.5    |
|           |            | 1       | 24        | 16.44   | 16.35   | 16.39   | 17.5    |
|           |            | 12      | 0         | 16.31   | 16.06   | 16.19   | 17.5    |
|           |            | 12      | 6         | 16.15   | 16.17   | 16.21   | 17.5    |

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|           |            | 12      | 13        | 16.22   | 16.19   | 16      | 17.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 16.33   | 16.17   | 16.12   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 16.37   | 16.44   | 16.41   | 17.5    |
|           |            | 1       | 25        | 16.41   | 15.93   | 15.51   | 17.5    |
|           |            | 1       | 49        | 16.34   | 16.43   | 16.31   | 17.5    |
|           |            | 25      | 0         | 16.44   | 16.34   | 16.33   | 17.5    |
|           |            | 25      | 13        | 16.35   | 16.34   | 16.27   | 17.5    |
|           |            | 25      | 25        | 16.37   | 16.44   | 16.35   | 17.5    |
|           |            | 50      | 0         | 16.46   | 16.4    | 16.33   | 17.5    |
|           | 16QAM      | 1       | 0         | 16.62   | 16.59   | 16.91   | 17.5    |
|           |            | 1       | 25        | 16.74   | 16.65   | 15.8    | 17.5    |
|           |            | 1       | 49        | 16.55   | 15.92   | 16.48   | 17.5    |
|           |            | 25      | 0         | 16.45   | 16.35   | 16.39   | 17.5    |
|           |            | 25      | 13        | 16.38   | 16.45   | 16.26   | 17.5    |
|           |            | 25      | 25        | 16.4    | 16.35   | 16.26   | 17.5    |
|           |            | 50      | 0         | 16.33   | 16.3    | 16.24   | 17.5    |
|           | 64QAM      | 1       | 0         | 16.48   | 16.31   | 16.21   | 17.5    |
|           |            | 1       | 25        | 16.25   | 16.22   | 15.98   | 17.5    |
|           |            | 1       | 49        | 16.48   | 16.34   | 16.39   | 17.5    |
|           |            | 25      | 0         | 16.25   | 16.05   | 16.16   | 17.5    |
|           |            | 25      | 13        | 16.24   | 16.24   | 16.2    | 17.5    |
|           |            | 25      | 25        | 16.14   | 16.19   | 15.95   | 17.5    |
|           |            | 50      | 0         | 16.36   | 16.22   | 16.12   | 17.5    |

| LTE Band 5 Receiver on(Right head) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 16.45                | 16.47   | 16.3    | 17.5    |
|  |            | 1       | 2         | 16.43                | 15.97   | 16.5    | 17.5    |
|  |            | 1       | 5         | 16.39                | 16.44   | 16.34   | 17.5    |
|  |            | 3       | 0         | 16.41                | 16.39   | 16.56   | 17.5    |
|  |            | 3       | 2         | 16.05                | 16.25   | 16.22   | 17.5    |
|  |            | 3       | 3         | 16.42                | 16.14   | 16.25   | 17.5    |
|  |            | 6       | 0         | 16.01                | 16.23   | 16.23   | 17.5    |
|  | 16QAM      | 1       | 0         | 16.98                | 16.89   | 16.68   | 17.5    |
|  |            | 1       | 2         | 16.33                | 16.47   | 16.6    | 17.5    |
|  |            | 1       | 5         | 16.5                 | 16.87   | 16.86   | 17.5    |
|  |            | 3       | 0         | 16.27                | 16.47   | 16.57   | 17.5    |
|  |            | 3       | 2         | 16.65                | 17.07   | 16.19   | 17.5    |
|  |            | 3       | 3         | 16.74                | 16.24   | 16.25   | 17.5    |
|  |            | 6       | 0         | 15.91                | 16.37   | 16.28   | 17.5    |
|  | 64QAM      | 1       | 0         | 16.44                | 16.28   | 16.13   | 17.5    |
|  |            | 1       | 2         | 16.25                | 16.16   | 15.96   | 17.5    |

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|           |            | 1       | 5         | 16.46         | 16.31         | 16.39         | 17.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 3       | 0         | 16.19         | 15.97         | 16.15         | 17.5    |
|           |            | 3       | 2         | 16.17         | 16.19         | 16.13         | 17.5    |
|           |            | 3       | 3         | 16.09         | 16.12         | 15.92         | 17.5    |
|           |            | 6       | 0         | 16.28         | 16.18         | 16.09         | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20415 | Channel 20525 | Channel 20635 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 16.5          | 16.57         | 16.37         | 17.5    |
|           |            | 1       | 7         | 15.88         | 15.48         | 14.67         | 17.5    |
|           |            | 1       | 14        | 16.41         | 16.49         | 16.3          | 17.5    |
|           |            | 8       | 0         | 16.17         | 16.38         | 16.29         | 17.5    |
|           |            | 8       | 4         | 16.53         | 16.2          | 16.31         | 17.5    |
|           |            | 8       | 7         | 16.37         | 16.4          | 15.81         | 17.5    |
|           |            | 15      | 0         | 16.28         | 16.4          | 16.46         | 17.5    |
|           | 16QAM      | 1       | 0         | 16.39         | 16.4          | 16.87         | 17.5    |
|           |            | 1       | 7         | 16.78         | 16.13         | 16.31         | 17.5    |
|           |            | 1       | 14        | 16.9          | 16.77         | 16.85         | 17.5    |
|           |            | 8       | 0         | 16.45         | 16.29         | 16.1          | 17.5    |
|           |            | 8       | 4         | 16.27         | 16.37         | 16.37         | 17.5    |
|           |            | 8       | 7         | 16.14         | 16.43         | 16.3          | 17.5    |
|           |            | 15      | 0         | 16.32         | 16.34         | 16.32         | 17.5    |
|           | 64QAM      | 1       | 0         | 16.45         | 16.31         | 16.17         | 17.5    |
|           |            | 1       | 7         | 16.16         | 16.17         | 15.9          | 17.5    |
|           |            | 1       | 14        | 16.46         | 16.27         | 16.36         | 17.5    |
|           |            | 8       | 0         | 16.25         | 16.01         | 16.12         | 17.5    |
|           |            | 8       | 4         | 16.2          | 16.21         | 16.19         | 17.5    |
|           |            | 8       | 7         | 16.05         | 16.12         | 15.94         | 17.5    |
|           |            | 15      | 0         | 16.32         | 16.2          | 16.05         | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20425 | Channel 20525 | Channel 20625 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 16.36         | 16.39         | 16.34         | 17.5    |
|           |            | 1       | 13        | 16.47         | 16.34         | 16.21         | 17.5    |
|           |            | 1       | 24        | 16.33         | 16.47         | 16.36         | 17.5    |
|           |            | 12      | 0         | 16.44         | 16.51         | 16.29         | 17.5    |
|           |            | 12      | 6         | 16.37         | 16.38         | 16.35         | 17.5    |
|           |            | 12      | 13        | 16.44         | 16.49         | 16.35         | 17.5    |
|           |            | 25      | 0         | 16.28         | 16.44         | 16.34         | 17.5    |
|           | 16QAM      | 1       | 0         | 16.69         | 16.92         | 16.7          | 17.5    |
|           |            | 1       | 13        | 16.8          | 16.71         | 16.47         | 17.5    |
|           |            | 1       | 24        | 16.21         | 16.36         | 16.66         | 17.5    |
|           |            | 12      | 0         | 16.38         | 16.33         | 16.45         | 17.5    |
|           |            | 12      | 6         | 16.4          | 16.5          | 16.31         | 17.5    |
|           |            | 12      | 13        | 16.34         | 16.42         | 16.29         | 17.5    |
|           |            | 25      | 0         | 16.44         | 16.27         | 16.24         | 17.5    |
|           | 64QAM      | 1       | 0         | 16.42         | 16.25         | 16.12         | 17.5    |
|           |            | 1       | 13        | 16.17         | 16.15         | 15.89         | 17.5    |
|           |            | 1       | 24        | 16.44         | 16.28         | 16.39         | 17.5    |

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|           |            | 12      | 0         | 16.16         | 15.95         | 16.08         | 17.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 12      | 6         | 16.19         | 16.24         | 16.17         | 17.5    |
|           |            | 12      | 13        | 16.05         | 16.11         | 15.88         | 17.5    |
|           |            | 25      | 0         | 16.33         | 16.18         | 16.1          | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20450 | Channel 20525 | Channel 20600 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 16.49         | 16.45         | 16.37         | 17.5    |
|           |            | 1       | 25        | 16.49         | 16.42         | 16            | 17.5    |
|           |            | 1       | 49        | 16.24         | 16.31         | 16.25         | 17.5    |
|           |            | 25      | 0         | 16.38         | 16.4          | 16.4          | 17.5    |
|           |            | 25      | 13        | 16.29         | 16.39         | 16.38         | 17.5    |
|           |            | 25      | 25        | 16.42         | 16.32         | 16.29         | 17.5    |
|           |            | 50      | 0         | 16.38         | 16.45         | 16.4          | 17.5    |
|           | 16QAM      | 1       | 0         | 16.66         | 16.75         | 16.77         | 17.5    |
|           |            | 1       | 25        | 16.35         | 17.18         | 16.64         | 17.5    |
|           |            | 1       | 49        | 16.79         | 16.46         | 16.74         | 17.5    |
|           |            | 25      | 0         | 16.34         | 16.33         | 16.3          | 17.5    |
|           |            | 25      | 13        | 16.44         | 16.4          | 16.09         | 17.5    |
|           |            | 25      | 25        | 16.38         | 16.37         | 16.28         | 17.5    |
|           |            | 50      | 0         | 16.2          | 16.33         | 16.23         | 17.5    |
|           | 64QAM      | 1       | 0         | 16.44         | 16.22         | 16.2          | 17.5    |
|           |            | 1       | 25        | 16.24         | 16.16         | 15.93         | 17.5    |
|           |            | 1       | 49        | 16.47         | 16.29         | 16.32         | 17.5    |
|           |            | 25      | 0         | 16.22         | 16.04         | 16.13         | 17.5    |
|           |            | 25      | 13        | 16.24         | 16.16         | 16.19         | 17.5    |
|           |            | 25      | 25        | 16.13         | 16.19         | 15.89         | 17.5    |
|           |            | 50      | 0         | 16.3          | 16.16         | 16.12         | 17.5    |

| LTE Band 5 Receiver off (body or limbs) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel 20407        | Channel 20525 | Channel 20643 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 20.5                 | 20.39         | 20.41         | 21.5    |
|   |            | 1       | 2         | 20.04                | 20            | 19.98         | 21.5    |
|   |            | 1       | 5         | 20.47                | 20.44         | 20.3          | 21.5    |
|   |            | 3       | 0         | 20.68                | 20.3          | 20.37         | 21.5    |
|   |            | 3       | 2         | 20.36                | 19.66         | 20.52         | 21.5    |
|   |            | 3       | 3         | 20.54                | 20.29         | 20.27         | 21.5    |
|   |            | 6       | 0         | 20.29                | 20.33         | 20.3          | 21.5    |
|   | 16QAM      | 1       | 0         | 20.81                | 20.92         | 20.41         | 21.5    |
|   |            | 1       | 2         | 20.34                | 20.29         | 20.01         | 21.5    |
|   |            | 1       | 5         | 21.02                | 20.4          | 20.22         | 21.5    |
|   |            | 3       | 0         | 20.28                | 20.3          | 20.31         | 21.5    |
|   |            | 3       | 2         | 19.77                | 20.72         | 19.8          | 21.5    |
|   |            | 3       | 3         | 20.53                | 19.95         | 20.19         | 21.5    |
|   |            | 6       | 0         | 20.43                | 20.34         | 20.03         | 21.5    |

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|           | 64QAM      | 1       | 0         | 20.43         | 20.22         | 20.06         | 21.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 2         | 20.17         | 20.07         | 19.89         | 21.5    |
|           |            | 1       | 5         | 20.46         | 20.26         | 20.38         | 21.5    |
|           |            | 3       | 0         | 20.11         | 19.88         | 20.08         | 21.5    |
|           |            | 3       | 2         | 20.08         | 20.16         | 20.11         | 21.5    |
|           |            | 3       | 3         | 20            | 20.12         | 19.84         | 21.5    |
|           |            | 6       | 0         | 20.23         | 20.13         | 20.06         | 21.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20415 | Channel 20525 | Channel 20635 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 20.54         | 20.41         | 20.17         | 21.5    |
|           |            | 1       | 7         | 20.3          | 19.82         | 19.9          | 21.5    |
|           |            | 1       | 14        | 20.29         | 20.29         | 20.4          | 21.5    |
|           |            | 8       | 0         | 20.48         | 20.33         | 20.42         | 21.5    |
|           |            | 8       | 4         | 20.45         | 20.47         | 20.42         | 21.5    |
|           |            | 8       | 7         | 20.23         | 20.44         | 20.19         | 21.5    |
|           |            | 15      | 0         | 20.38         | 20.5          | 20.35         | 21.5    |
|           | 16QAM      | 1       | 0         | 21.03         | 20.91         | 20.67         | 21.5    |
|           |            | 1       | 7         | 20.58         | 21.51         | 19.83         | 21.5    |
|           |            | 1       | 14        | 20.41         | 20.62         | 20.64         | 21.5    |
|           |            | 8       | 0         | 20.41         | 20.28         | 20.34         | 21.5    |
|           |            | 8       | 4         | 20.27         | 20.38         | 20.22         | 21.5    |
|           |            | 8       | 7         | 20.35         | 20.26         | 20.33         | 21.5    |
|           |            | 15      | 0         | 20.28         | 20.46         | 20.39         | 21.5    |
|           | 64QAM      | 1       | 0         | 20.41         | 20.23         | 20.05         | 21.5    |
|           |            | 1       | 7         | 20.17         | 20.11         | 19.88         | 21.5    |
|           |            | 1       | 14        | 20.44         | 20.21         | 20.38         | 21.5    |
|           |            | 8       | 0         | 20.15         | 19.93         | 20.07         | 21.5    |
|           |            | 8       | 4         | 20.12         | 20.14         | 20.11         | 21.5    |
|           |            | 8       | 7         | 20.06         | 20.08         | 19.85         | 21.5    |
|           |            | 15      | 0         | 20.23         | 20.1          | 20.04         | 21.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20425 | Channel 20525 | Channel 20625 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 20.49         | 20.44         | 20.34         | 21.5    |
|           |            | 1       | 13        | 20.42         | 20.4          | 20.32         | 21.5    |
|           |            | 1       | 24        | 20.49         | 20.35         | 20.32         | 21.5    |
|           |            | 12      | 0         | 20.4          | 20.42         | 20.36         | 21.5    |
|           |            | 12      | 6         | 20.31         | 20.28         | 20.29         | 21.5    |
|           |            | 12      | 13        | 20.48         | 20.46         | 20.3          | 21.5    |
|           |            | 25      | 0         | 20.45         | 20.41         | 20.38         | 21.5    |
|           | 16QAM      | 1       | 0         | 20.96         | 20.29         | 20.21         | 21.5    |
|           |            | 1       | 13        | 20.71         | 20.82         | 20.61         | 21.5    |
|           |            | 1       | 24        | 20.93         | 20.61         | 20.52         | 21.5    |
|           |            | 12      | 0         | 20.45         | 20.47         | 20.44         | 21.5    |
|           |            | 12      | 6         | 20.42         | 20.22         | 20.12         | 21.5    |
|           |            | 12      | 13        | 20.45         | 20.46         | 20.22         | 21.5    |
|           |            | 25      | 0         | 20.23         | 20.32         | 20.2          | 21.5    |
|           | 64QAM      | 1       | 0         | 20.36         | 20.23         | 20.04         | 21.5    |

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|           |            | 1       | 13        | 20.16   | 20.07   | 19.87   | 21.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 24        | 20.38   | 20.23   | 20.37   | 21.5    |
|           |            | 12      | 0         | 20.16   | 19.91   | 20.09   | 21.5    |
|           |            | 12      | 6         | 20.15   | 20.12   | 20.07   | 21.5    |
|           |            | 12      | 13        | 20.01   | 20.11   | 19.87   | 21.5    |
|           |            | 25      | 0         | 20.25   | 20.12   | 20.04   | 21.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.51   | 20.44   | 20.33   | 21.5    |
|           |            | 1       | 25        | 19.99   | 20.39   | 20.22   | 21.5    |
|           |            | 1       | 49        | 20.29   | 20.33   | 20.27   | 21.5    |
|           |            | 25      | 0         | 20.43   | 20.41   | 20.35   | 21.5    |
|           |            | 25      | 13        | 20.33   | 20.28   | 20.35   | 21.5    |
|           |            | 25      | 25        | 20.45   | 20.33   | 20.33   | 21.5    |
|           |            | 50      | 0         | 20.43   | 20.46   | 20.32   | 21.5    |
|           | 16QAM      | 1       | 0         | 20.78   | 20.89   | 20.76   | 21.5    |
|           |            | 1       | 25        | 21.08   | 20.69   | 20.31   | 21.5    |
|           |            | 1       | 49        | 20.59   | 20.81   | 20.59   | 21.5    |
|           |            | 25      | 0         | 20.43   | 20.4    | 20.41   | 21.5    |
|           |            | 25      | 13        | 20.47   | 20.26   | 20.1    | 21.5    |
|           |            | 25      | 25        | 20.34   | 20.3    | 20.31   | 21.5    |
|           |            | 50      | 0         | 20.35   | 20.32   | 20.22   | 21.5    |
|           | 64QAM      | 1       | 0         | 20.44   | 20.24   | 20.09   | 21.5    |
|           |            | 1       | 25        | 20.18   | 20.1    | 19.94   | 21.5    |
|           |            | 1       | 49        | 20.38   | 20.25   | 20.35   | 21.5    |
|           |            | 25      | 0         | 20.17   | 19.94   | 20.14   | 21.5    |
|           |            | 25      | 13        | 20.15   | 20.18   | 20.03   | 21.5    |
|           |            | 25      | 25        | 20.07   | 20.04   | 19.89   | 21.5    |
|           |            | 50      | 0         | 20.21   | 20.09   | 20.03   | 21.5    |

| LTE Band 5 Receiver on(Left head) + WiFi5G<br>Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 14.57                | 14.49   | 14.45   | 15.5    |
|  |            | 1       | 2         | 13.81                | 13.37   | 13.88   | 15.5    |
|  |            | 1       | 5         | 14.51                | 14.32   | 14.38   | 15.5    |
|  |            | 3       | 0         | 14.35                | 14.43   | 14.34   | 15.5    |
|  |            | 3       | 2         | 14.45                | 14.53   | 14.01   | 15.5    |
|  |            | 3       | 3         | 14.23                | 14.54   | 14.26   | 15.5    |
|  |            | 6       | 0         | 14.25                | 14.41   | 14.24   | 15.5    |
|  | 16QAM      | 1       | 0         | 14.69                | 14.75   | 14.67   | 15.5    |
|  |            | 1       | 2         | 14.48                | 14.28   | 14.1    | 15.5    |
|  |            | 1       | 5         | 15.06                | 14.75   | 14.53   | 15.5    |
|  |            | 3       | 0         | 14.2                 | 13.8    | 14.38   | 15.5    |
|  |            | 3       | 2         | 14.29                | 14.61   | 14.19   | 15.5    |

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|           |            | 3       | 3         | 14.32   | 14.24   | 14.27   | 15.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 6       | 0         | 14.72   | 14.43   | 14.21   | 15.5    |
|           | 64QAM      | 1       | 0         | 14.5    | 14.31   | 14.13   | 15.5    |
|           |            | 1       | 2         | 14.24   | 14.19   | 13.98   | 15.5    |
|           |            | 1       | 5         | 14.41   | 14.35   | 14.43   | 15.5    |
|           |            | 3       | 0         | 14.23   | 13.98   | 14.19   | 15.5    |
|           |            | 3       | 2         | 14.21   | 14.26   | 14.12   | 15.5    |
|           |            | 3       | 3         | 14.11   | 14.07   | 13.97   | 15.5    |
|           |            | 6       | 0         | 14.3    | 14.19   | 14.06   | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20415   | 20525   | 20635   |         |
| 3MHz      | QPSK       | 1       | 0         | 14.45   | 14.4    | 14.37   | 15.5    |
|           |            | 1       | 7         | 13.83   | 14.48   | 12.9    | 15.5    |
|           |            | 1       | 14        | 14.31   | 14.43   | 14.37   | 15.5    |
|           |            | 8       | 0         | 14.4    | 14.29   | 14.23   | 15.5    |
|           |            | 8       | 4         | 14.34   | 14.36   | 14.4    | 15.5    |
|           |            | 8       | 7         | 14.05   | 14.5    | 14.22   | 15.5    |
|           |            | 15      | 0         | 14.31   | 14.35   | 14.31   | 15.5    |
|           | 16QAM      | 1       | 0         | 14.81   | 14.79   | 14.83   | 15.5    |
|           |            | 1       | 7         | 14.93   | 15.32   | 14.38   | 15.5    |
|           |            | 1       | 14        | 14.43   | 14.21   | 14.54   | 15.5    |
|           |            | 8       | 0         | 14.2    | 14.54   | 14.3    | 15.5    |
|           |            | 8       | 4         | 14.28   | 14.26   | 14.35   | 15.5    |
|           |            | 8       | 7         | 14.27   | 14.5    | 14.29   | 15.5    |
|           |            | 15      | 0         | 14.36   | 14.4    | 14.33   | 15.5    |
|           | 64QAM      | 1       | 0         | 14.47   | 14.33   | 14.12   | 15.5    |
|           |            | 1       | 7         | 14.21   | 14.12   | 13.97   | 15.5    |
|           |            | 1       | 14        | 14.42   | 14.34   | 14.38   | 15.5    |
|           |            | 8       | 0         | 14.21   | 14.03   | 14.18   | 15.5    |
|           |            | 8       | 4         | 14.16   | 14.27   | 14.05   | 15.5    |
|           |            | 8       | 7         | 14.17   | 14.11   | 13.97   | 15.5    |
|           |            | 15      | 0         | 14.27   | 14.15   | 14.1    | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 14.45   | 14.47   | 14.4    | 15.5    |
|           |            | 1       | 13        | 14.46   | 14.45   | 14.34   | 15.5    |
|           |            | 1       | 24        | 14.36   | 14.39   | 14.34   | 15.5    |
|           |            | 12      | 0         | 14.41   | 14.4    | 14.26   | 15.5    |
|           |            | 12      | 6         | 14.22   | 14.43   | 14.27   | 15.5    |
|           |            | 12      | 13        | 14.37   | 14.46   | 14.33   | 15.5    |
|           |            | 25      | 0         | 14.52   | 14.41   | 14.28   | 15.5    |
|           | 16QAM      | 1       | 0         | 14.77   | 14.71   | 14.46   | 15.5    |
|           |            | 1       | 13        | 14.39   | 14.85   | 14.6    | 15.5    |
|           |            | 1       | 24        | 14.78   | 14.22   | 14.38   | 15.5    |
|           |            | 12      | 0         | 14.52   | 14.47   | 14.36   | 15.5    |
|           |            | 12      | 6         | 14.5    | 14.38   | 14.07   | 15.5    |
|           |            | 12      | 13        | 14.43   | 14.4    | 14.3    | 15.5    |

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|           | 64QAM      | 25      | 0         | 14.45   | 14.37   | 14.26   | 15.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 14.48   | 14.24   | 14.1    | 15.5    |
|           |            | 1       | 13        | 14.2    | 14.12   | 14.03   | 15.5    |
|           |            | 1       | 24        | 14.4    | 14.33   | 14.42   | 15.5    |
|           |            | 12      | 0         | 14.22   | 13.95   | 14.19   | 15.5    |
|           |            | 12      | 6         | 14.2    | 14.22   | 14.04   | 15.5    |
|           |            | 12      | 13        | 14.14   | 14.06   | 13.95   | 15.5    |
|           |            | 25      | 0         | 14.3    | 14.13   | 14.05   | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 14.44   | 14.36   | 14.36   | 15.5    |
|           |            | 1       | 25        | 14.32   | 13.71   | 13.7    | 15.5    |
|           |            | 1       | 49        | 14.36   | 14.35   | 14.28   | 15.5    |
|           |            | 25      | 0         | 14.43   | 14.39   | 14.34   | 15.5    |
|           |            | 25      | 13        | 14.32   | 14.3    | 14.35   | 15.5    |
|           |            | 25      | 25        | 14.38   | 14.39   | 14.35   | 15.5    |
|           |            | 50      | 0         | 14.36   | 14.38   | 14.34   | 15.5    |
|           |            | 1       | 0         | 14.67   | 14.58   | 14.86   | 15.5    |
|           | 16QAM      | 1       | 25        | 14.01   | 14.27   | 14.54   | 15.5    |
|           |            | 1       | 49        | 14.56   | 14.55   | 14.52   | 15.5    |
|           |            | 25      | 0         | 14.42   | 14.25   | 14.4    | 15.5    |
|           |            | 25      | 13        | 14.22   | 14.29   | 14.24   | 15.5    |
|           |            | 25      | 25        | 14.31   | 14.33   | 14.19   | 15.5    |
|           |            | 50      | 0         | 14.37   | 14.28   | 14.37   | 15.5    |
|           |            | 1       | 0         | 14.5    | 14.27   | 14.18   | 15.5    |
|           |            | 1       | 25        | 14.23   | 14.12   | 14.01   | 15.5    |
|           | 64QAM      | 1       | 49        | 14.42   | 14.26   | 14.35   | 15.5    |
|           |            | 25      | 0         | 14.23   | 13.96   | 14.22   | 15.5    |
|           |            | 25      | 13        | 14.22   | 14.26   | 14.08   | 15.5    |
|           |            | 25      | 25        | 14.14   | 14.06   | 13.95   | 15.5    |
|           |            | 50      | 0         | 14.3    | 14.11   | 14.07   | 15.5    |

| LTE Band 5 Receiver on(Right head) + WiFi5G<br>Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 14.44                | 14.47   | 14.41   | 15.5    |
|   |            | 1       | 2         | 14.78                | 14.7    | 14.04   | 15.5    |
|   |            | 1       | 5         | 14.38                | 14.41   | 14.37   | 15.5    |
|   |            | 3       | 0         | 14.4                 | 14.38   | 14.21   | 15.5    |
|   |            | 3       | 2         | 14.46                | 14.12   | 14.2    | 15.5    |
|   |            | 3       | 3         | 14.43                | 13.92   | 14.3    | 15.5    |
|   |            | 6       | 0         | 14.52                | 14.47   | 14.2    | 15.5    |
|   | 16QAM      | 1       | 0         | 15.04                | 14.96   | 14.05   | 15.5    |
|   |            | 1       | 2         | 14.91                | 14.51   | 14.76   | 15.5    |
|   |            | 1       | 5         | 14.36                | 14.81   | 14.52   | 15.5    |

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|           |            | 3       | 0         | 14.52            | 14.59            | 14.24            | 15.5    |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 3       | 2         | 14.42            | 14.63            | 14.45            | 15.5    |
|           |            | 3       | 3         | 14.22            | 14.52            | 14.21            | 15.5    |
|           |            | 6       | 0         | 14.21            | 14.58            | 14.34            | 15.5    |
|           | 64QAM      | 1       | 0         | 14.45            | 14.29            | 14.06            | 15.5    |
|           |            | 1       | 2         | 14.18            | 14.12            | 13.89            | 15.5    |
|           |            | 1       | 5         | 14.39            | 14.35            | 14.34            | 15.5    |
|           |            | 3       | 0         | 14.21            | 13.94            | 14.16            | 15.5    |
|           |            | 3       | 2         | 14.15            | 14.25            | 14.05            | 15.5    |
|           |            | 3       | 3         | 14.02            | 14               | 13.9             | 15.5    |
|           |            | 6       | 0         | 14.24            | 14.12            | 14.02            | 15.5    |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20415 | Channel<br>20525 | Channel<br>20635 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 14.39            | 14.38            | 14.23            | 15.5    |
|           |            | 1       | 7         | 13.67            | 14.11            | 14.73            | 15.5    |
|           |            | 1       | 14        | 14.49            | 14.33            | 14.28            | 15.5    |
|           |            | 8       | 0         | 14.27            | 14.46            | 14.3             | 15.5    |
|           |            | 8       | 4         | 14.32            | 14.22            | 14.17            | 15.5    |
|           |            | 8       | 7         | 14.3             | 14.15            | 14.37            | 15.5    |
|           |            | 15      | 0         | 14.43            | 14.47            | 14.3             | 15.5    |
|           |            |         |           |                  |                  |                  |         |
|           | 16QAM      | 1       | 0         | 14.78            | 14.88            | 14.41            | 15.5    |
|           |            | 1       | 7         | 14.51            | 14.65            | 13.33            | 15.5    |
|           |            | 1       | 14        | 14.37            | 14.7             | 14.72            | 15.5    |
|           |            | 8       | 0         | 14.54            | 14.23            | 14.28            | 15.5    |
|           |            | 8       | 4         | 14.46            | 14.11            | 14.17            | 15.5    |
|           |            | 8       | 7         | 14.25            | 14.42            | 14.14            | 15.5    |
|           |            | 15      | 0         | 14.38            | 14.27            | 14.24            | 15.5    |
|           |            |         |           |                  |                  |                  |         |
|           | 64QAM      | 1       | 0         | 14.44            | 14.3             | 14.08            | 15.5    |
|           |            | 1       | 7         | 14.14            | 14.16            | 13.9             | 15.5    |
|           |            | 1       | 14        | 14.34            | 14.26            | 14.36            | 15.5    |
|           |            | 8       | 0         | 14.14            | 13.94            | 14.13            | 15.5    |
|           |            | 8       | 4         | 14.16            | 14.25            | 14.07            | 15.5    |
|           |            | 8       | 7         | 14.03            | 14.05            | 13.93            | 15.5    |
|           |            | 15      | 0         | 14.25            | 14.14            | 13.96            | 15.5    |
|           |            |         |           |                  |                  |                  |         |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20425 | Channel<br>20525 | Channel<br>20625 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 14.51            | 14.37            | 14.32            | 15.5    |
|           |            | 1       | 13        | 14.29            | 14.46            | 14.37            | 15.5    |
|           |            | 1       | 24        | 14.3             | 14.4             | 14.32            | 15.5    |
|           |            | 12      | 0         | 14.51            | 14.49            | 14.41            | 15.5    |
|           |            | 12      | 6         | 14.24            | 14.42            | 14.36            | 15.5    |
|           |            | 12      | 13        | 14.47            | 14.42            | 14.4             | 15.5    |
|           |            | 25      | 0         | 14.31            | 14.37            | 14.34            | 15.5    |
|           |            |         |           |                  |                  |                  |         |
|           | 16QAM      | 1       | 0         | 14.58            | 14.74            | 14.79            | 15.5    |
|           |            | 1       | 13        | 14.99            | 14.57            | 14.36            | 15.5    |
|           |            | 1       | 24        | 14.63            | 14.48            | 14.39            | 15.5    |
|           |            | 12      | 0         | 14.42            | 14.37            | 14.33            | 15.5    |

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|           | 64QAM      | 12      | 6         | 14.59   | 14.33   | 14.37   | 15.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 13        | 14.39   | 14.52   | 14.3    | 15.5    |
|           |            | 25      | 0         | 14.34   | 14.29   | 14.27   | 15.5    |
|           |            | 1       | 0         | 14.43   | 14.3    | 14.11   | 15.5    |
|           |            | 1       | 13        | 14.24   | 14.1    | 13.88   | 15.5    |
|           |            | 1       | 24        | 14.33   | 14.34   | 14.42   | 15.5    |
|           |            | 12      | 0         | 14.19   | 13.9    | 14.09   | 15.5    |
|           |            | 12      | 6         | 14.13   | 14.17   | 14.06   | 15.5    |
|           |            | 12      | 13        | 14.05   | 14.02   | 13.89   | 15.5    |
|           |            | 25      | 0         | 14.26   | 14.13   | 14.03   | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 14.47   | 14.46   | 14.32   | 15.5    |
|           |            | 1       | 25        | 14.66   | 14.31   | 14.44   | 15.5    |
|           |            | 1       | 49        | 14.36   | 14.37   | 14.23   | 15.5    |
|           |            | 25      | 0         | 14.42   | 14.4    | 14.32   | 15.5    |
|           |            | 25      | 13        | 14.49   | 14.42   | 14.45   | 15.5    |
|           |            | 25      | 25        | 14.39   | 14.38   | 14.33   | 15.5    |
|           |            | 50      | 0         | 14.48   | 14.38   | 14.44   | 15.5    |
|           |            | 1       | 0         | 14.42   | 15.05   | 14.72   | 15.5    |
|           | 16QAM      | 1       | 25        | 14.36   | 14.36   | 14.66   | 15.5    |
|           |            | 1       | 49        | 14.5    | 14.9    | 14.46   | 15.5    |
|           |            | 25      | 0         | 14.44   | 14.33   | 14.36   | 15.5    |
|           |            | 25      | 13        | 14.16   | 14.25   | 14.24   | 15.5    |
|           |            | 25      | 25        | 14.44   | 14.39   | 14.37   | 15.5    |
|           |            | 50      | 0         | 14.29   | 14.27   | 14.22   | 15.5    |
|           |            | 1       | 0         | 14.49   | 14.23   | 14.09   | 15.5    |
|           |            | 1       | 25        | 14.23   | 14.15   | 13.89   | 15.5    |
|           | 64QAM      | 1       | 49        | 14.32   | 14.25   | 14.42   | 15.5    |
|           |            | 25      | 0         | 14.18   | 13.96   | 14.18   | 15.5    |
|           |            | 25      | 13        | 14.16   | 14.17   | 14.11   | 15.5    |
|           |            | 25      | 25        | 14.07   | 14      | 13.96   | 15.5    |
|           |            | 50      | 0         | 14.26   | 14.18   | 14.06   | 15.5    |

| LTE Band 5 Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 18.44                | 18.53   | 18.28   | 19.5    |
|   |            | 1       | 2         | 17.72                | 17.34   | 17.31   | 19.5    |
|   |            | 1       | 5         | 18.5                 | 18.41   | 18.35   | 19.5    |
|   |            | 3       | 0         | 18.26                | 18.31   | 18.25   | 19.5    |
|   |            | 3       | 2         | 17.83                | 17.45   | 18.15   | 19.5    |
|   |            | 3       | 3         | 18.1                 | 18.22   | 18.17   | 19.5    |
|   |            | 6       | 0         | 18.3                 | 18.24   | 18.43   | 19.5    |
|   | 16QAM      | 1       | 0         | 18.95                | 18.47   | 18.64   | 19.5    |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 2         | 18.71   | 18.62   | 18.14   | 19.5    |
|           |            | 1       | 5         | 18.87   | 18.86   | 18.74   | 19.5    |
|           |            | 3       | 0         | 18.37   | 18.4    | 18.13   | 19.5    |
|           |            | 3       | 2         | 17.82   | 18.99   | 18.25   | 19.5    |
|           |            | 3       | 3         | 18.51   | 18.4    | 18.27   | 19.5    |
|           |            | 6       | 0         | 18.1    | 18.35   | 18.12   | 19.5    |
|           | 64QAM      | 1       | 0         | 18.58   | 18.32   | 18.16   | 19.5    |
|           |            | 1       | 2         | 18.26   | 18.16   | 17.95   | 19.5    |
|           |            | 1       | 5         | 18.33   | 18.34   | 18.48   | 19.5    |
|           |            | 3       | 0         | 18.19   | 18.01   | 18.25   | 19.5    |
|           |            | 3       | 2         | 18.21   | 18.19   | 18.19   | 19.5    |
|           |            | 3       | 3         | 18.14   | 18.02   | 17.96   | 19.5    |
|           |            | 6       | 0         | 18.27   | 18.2    | 18.16   | 19.5    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20415   | 20525   | 20635   |         |
| 3MHz      | QPSK       | 1       | 0         | 18.58   | 18.34   | 18.35   | 19.5    |
|           |            | 1       | 7         | 18.78   | 18.32   | 18.22   | 19.5    |
|           |            | 1       | 14        | 18.39   | 18.34   | 18.33   | 19.5    |
|           |            | 8       | 0         | 18.54   | 18.5    | 18.37   | 19.5    |
|           |            | 8       | 4         | 18.12   | 18.39   | 17.99   | 19.5    |
|           |            | 8       | 7         | 18.26   | 18.4    | 18.34   | 19.5    |
|           |            | 15      | 0         | 18.46   | 18.42   | 18.39   | 19.5    |
|           | 16QAM      | 1       | 0         | 18.75   | 18.22   | 18.65   | 19.5    |
|           |            | 1       | 7         | 18.91   | 18.77   | 18.71   | 19.5    |
|           |            | 1       | 14        | 18.25   | 18.31   | 18.65   | 19.5    |
|           |            | 8       | 0         | 17.99   | 18.28   | 18.33   | 19.5    |
|           |            | 8       | 4         | 18.42   | 18.24   | 18.24   | 19.5    |
|           |            | 8       | 7         | 18.37   | 18.53   | 18.16   | 19.5    |
|           |            | 15      | 0         | 18.4    | 18.4    | 18.3    | 19.5    |
|           | 64QAM      | 1       | 0         | 18.58   | 18.33   | 18.12   | 19.5    |
|           |            | 1       | 7         | 18.29   | 18.23   | 17.9    | 19.5    |
|           |            | 1       | 14        | 18.34   | 18.34   | 18.46   | 19.5    |
|           |            | 8       | 0         | 18.24   | 18.03   | 18.22   | 19.5    |
|           |            | 8       | 4         | 18.25   | 18.24   | 18.16   | 19.5    |
|           |            | 8       | 7         | 18.16   | 18.09   | 18.03   | 19.5    |
|           |            | 15      | 0         | 18.36   | 18.21   | 18.15   | 19.5    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 18.36   | 18.43   | 18.18   | 19.5    |
|           |            | 1       | 13        | 18.47   | 18.37   | 18.32   | 19.5    |
|           |            | 1       | 24        | 18.36   | 18.41   | 18.35   | 19.5    |
|           |            | 12      | 0         | 18.46   | 18.49   | 18.43   | 19.5    |
|           |            | 12      | 6         | 18.34   | 18.36   | 18.38   | 19.5    |
|           |            | 12      | 13        | 18.44   | 18.39   | 18.41   | 19.5    |
|           |            | 25      | 0         | 18.4    | 18.33   | 18.34   | 19.5    |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 18.57   | 18.3    | 18.7    | 19.5    |
|           |            | 1       | 13        | 18.86   | 18.49   | 18.09   | 19.5    |

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|  |       |           |    |            |       |           |      |
|--|-------|-----------|----|------------|-------|-----------|------|
|  |       | 1         | 24 | 18.75      | 18.8  | 18.66     | 19.5 |
|  |       | 12        | 0  | 18.45      | 18.36 | 18.36     | 19.5 |
|  |       | 12        | 6  | 18.41      | 18.52 | 18.37     | 19.5 |
|  |       | 12        | 13 | 18.4       | 18.51 | 18.42     | 19.5 |
|  |       | 25        | 0  | 18.27      | 18.36 | 18.21     | 19.5 |
|  | 64QAM | 1         | 0  | 18.58      | 18.31 | 18.11     | 19.5 |
|  |       | 1         | 13 | 18.32      | 18.17 | 17.93     | 19.5 |
|  |       | 1         | 24 | 18.33      | 18.28 | 18.5      | 19.5 |
|  |       | 12        | 0  | 18.21      | 18.05 | 18.23     | 19.5 |
|  |       | 12        | 6  | 18.16      | 18.2  | 18.15     | 19.5 |
|  |       | 12        | 13 | 18.16      | 18.01 | 17.97     | 19.5 |
|  |       | 25        | 0  | 18.26      | 18.24 | 18.12     | 19.5 |
|  | 10MHz | Bandwidth |    | Modulation |       | RB size   |      |
|  |       |           |    |            |       | RB offset |      |
|  |       |           |    |            |       | Channel   |      |
|  |       |           |    |            |       | Tune up   |      |
|  |       |           |    |            |       | 20450     |      |
|  |       |           |    |            |       | 20525     |      |
|  |       |           |    |            |       | 20600     |      |
|  |       |           |    |            |       |           |      |
|  | QPSK  | 1         | 0  | 18.52      | 18.33 | 18.39     | 19.5 |
|  |       | 1         | 25 | 17.92      | 18.53 | 17.93     | 19.5 |
|  |       | 1         | 49 | 18.34      | 18.25 | 18.28     | 19.5 |
|  |       | 25        | 0  | 18.36      | 18.35 | 18.42     | 19.5 |
|  |       | 25        | 13 | 18.39      | 18.46 | 18.3      | 19.5 |
|  |       | 25        | 25 | 18.41      | 18.37 | 18.38     | 19.5 |
|  |       | 50        | 0  | 18.36      | 18.39 | 18.38     | 19.5 |
|  | 16QAM | 1         | 0  | 18.87      | 18.42 | 18.62     | 19.5 |
|  |       | 1         | 25 | 18.23      | 18.37 | 18.47     | 19.5 |
|  |       | 1         | 49 | 18.78      | 18.74 | 18.34     | 19.5 |
|  |       | 25        | 0  | 18.32      | 18.36 | 18.31     | 19.5 |
|  |       | 25        | 13 | 18.35      | 18.27 | 18.32     | 19.5 |
|  |       | 25        | 25 | 18.27      | 18.4  | 18.27     | 19.5 |
|  |       | 50        | 0  | 18.36      | 18.39 | 18.19     | 19.5 |
|  | 64QAM | 1         | 0  | 18.52      | 18.33 | 18.16     | 19.5 |
|  |       | 1         | 25 | 18.23      | 18.24 | 17.9      | 19.5 |
|  |       | 1         | 49 | 18.34      | 18.34 | 18.51     | 19.5 |
|  |       | 25        | 0  | 18.2       | 17.99 | 18.27     | 19.5 |
|  |       | 25        | 13 | 18.22      | 18.24 | 18.16     | 19.5 |
|  |       | 25        | 25 | 18.15      | 18.02 | 17.97     | 19.5 |
|  |       | 50        | 0  | 18.34      | 18.21 | 18.1      | 19.5 |

| LTE Band 5 Receiver on(Left head) + BT + WiFi5G<br>Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 14.57                | 14.49   | 14.45   | 15.5    |
|   |            | 1       | 2         | 13.81                | 13.37   | 13.88   | 15.5    |
|   |            | 1       | 5         | 14.51                | 14.32   | 14.38   | 15.5    |
|   |            | 3       | 0         | 14.35                | 14.43   | 14.34   | 15.5    |
|   |            | 3       | 2         | 14.45                | 14.53   | 14.01   | 15.5    |
|   |            | 3       | 3         | 14.23                | 14.54   | 14.26   | 15.5    |

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|           | 16QAM      | 6       | 0         | 14.25         | 14.41         | 14.24         | 15.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 14.69         | 14.75         | 14.67         | 15.5    |
|           |            | 1       | 2         | 14.48         | 14.28         | 14.1          | 15.5    |
|           |            | 1       | 5         | 15.06         | 14.75         | 14.53         | 15.5    |
|           |            | 3       | 0         | 14.2          | 13.8          | 14.38         | 15.5    |
|           |            | 3       | 2         | 14.29         | 14.61         | 14.19         | 15.5    |
|           |            | 3       | 3         | 14.32         | 14.24         | 14.27         | 15.5    |
|           |            | 6       | 0         | 14.72         | 14.43         | 14.21         | 15.5    |
|           | 64QAM      | 1       | 0         | 14.5          | 14.31         | 14.13         | 15.5    |
|           |            | 1       | 2         | 14.24         | 14.19         | 13.98         | 15.5    |
|           |            | 1       | 5         | 14.41         | 14.35         | 14.43         | 15.5    |
|           |            | 3       | 0         | 14.23         | 13.98         | 14.19         | 15.5    |
|           |            | 3       | 2         | 14.21         | 14.26         | 14.12         | 15.5    |
|           |            | 3       | 3         | 14.11         | 14.07         | 13.97         | 15.5    |
|           |            | 6       | 0         | 14.3          | 14.19         | 14.06         | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20415 | Channel 20525 | Channel 20635 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 14.45         | 14.4          | 14.37         | 15.5    |
|           |            | 1       | 7         | 13.83         | 14.48         | 12.9          | 15.5    |
|           |            | 1       | 14        | 14.31         | 14.43         | 14.37         | 15.5    |
|           |            | 8       | 0         | 14.4          | 14.29         | 14.23         | 15.5    |
|           |            | 8       | 4         | 14.34         | 14.36         | 14.4          | 15.5    |
|           |            | 8       | 7         | 14.05         | 14.5          | 14.22         | 15.5    |
|           |            | 15      | 0         | 14.31         | 14.35         | 14.31         | 15.5    |
|           | 16QAM      | 1       | 0         | 14.81         | 14.79         | 14.83         | 15.5    |
|           |            | 1       | 7         | 14.93         | 15.32         | 14.38         | 15.5    |
|           |            | 1       | 14        | 14.43         | 14.21         | 14.54         | 15.5    |
|           |            | 8       | 0         | 14.2          | 14.54         | 14.3          | 15.5    |
|           |            | 8       | 4         | 14.28         | 14.26         | 14.35         | 15.5    |
|           |            | 8       | 7         | 14.27         | 14.5          | 14.29         | 15.5    |
|           |            | 15      | 0         | 14.36         | 14.4          | 14.33         | 15.5    |
|           | 64QAM      | 1       | 0         | 14.47         | 14.33         | 14.12         | 15.5    |
|           |            | 1       | 7         | 14.21         | 14.12         | 13.97         | 15.5    |
|           |            | 1       | 14        | 14.42         | 14.34         | 14.38         | 15.5    |
|           |            | 8       | 0         | 14.21         | 14.03         | 14.18         | 15.5    |
|           |            | 8       | 4         | 14.16         | 14.27         | 14.05         | 15.5    |
|           |            | 8       | 7         | 14.17         | 14.11         | 13.97         | 15.5    |
|           |            | 15      | 0         | 14.27         | 14.15         | 14.1          | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20425 | Channel 20525 | Channel 20625 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 14.45         | 14.47         | 14.4          | 15.5    |
|           |            | 1       | 13        | 14.46         | 14.45         | 14.34         | 15.5    |
|           |            | 1       | 24        | 14.36         | 14.39         | 14.34         | 15.5    |
|           |            | 12      | 0         | 14.41         | 14.4          | 14.26         | 15.5    |
|           |            | 12      | 6         | 14.22         | 14.43         | 14.27         | 15.5    |
|           |            | 12      | 13        | 14.37         | 14.46         | 14.33         | 15.5    |
|           |            | 25      | 0         | 14.52         | 14.41         | 14.28         | 15.5    |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  | 16QAM             | 1              | 0                | 14.77          | 14.71          | 14.46          | 15.5           |
|                  |                   | 1              | 13               | 14.39          | 14.85          | 14.6           | 15.5           |
|                  |                   | 1              | 24               | 14.78          | 14.22          | 14.38          | 15.5           |
|                  |                   | 12             | 0                | 14.52          | 14.47          | 14.36          | 15.5           |
|                  |                   | 12             | 6                | 14.5           | 14.38          | 14.07          | 15.5           |
|                  |                   | 12             | 13               | 14.43          | 14.4           | 14.3           | 15.5           |
|                  |                   | 25             | 0                | 14.45          | 14.37          | 14.26          | 15.5           |
|                  | 64QAM             | 1              | 0                | 14.48          | 14.24          | 14.1           | 15.5           |
|                  |                   | 1              | 13               | 14.2           | 14.12          | 14.03          | 15.5           |
|                  |                   | 1              | 24               | 14.4           | 14.33          | 14.42          | 15.5           |
|                  |                   | 12             | 0                | 14.22          | 13.95          | 14.19          | 15.5           |
|                  |                   | 12             | 6                | 14.2           | 14.22          | 14.04          | 15.5           |
|                  |                   | 12             | 13               | 14.14          | 14.06          | 13.95          | 15.5           |
|                  |                   | 25             | 0                | 14.3           | 14.13          | 14.05          | 15.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 20450          | 20525          | 20600          |                |
| <b>10MHz</b>     | QPSK              | 1              | 0                | <b>14.44</b>   | 14.36          | 14.36          | 15.5           |
|                  |                   | 1              | 25               | 14.32          | 13.71          | 13.7           | 15.5           |
|                  |                   | 1              | 49               | 14.36          | 14.35          | 14.28          | 15.5           |
|                  |                   | 25             | 0                | 14.43          | 14.39          | 14.34          | 15.5           |
|                  |                   | 25             | 13               | 14.32          | 14.3           | 14.35          | 15.5           |
|                  |                   | 25             | 25               | 14.38          | 14.39          | 14.35          | 15.5           |
|                  |                   | 50             | 0                | 14.36          | 14.38          | 14.34          | 15.5           |
|                  | 16QAM             | 1              | 0                | 14.67          | 14.58          | 14.86          | 15.5           |
|                  |                   | 1              | 25               | 14.01          | 14.27          | 14.54          | 15.5           |
|                  |                   | 1              | 49               | 14.56          | 14.55          | 14.52          | 15.5           |
|                  |                   | 25             | 0                | 14.42          | 14.25          | 14.4           | 15.5           |
|                  |                   | 25             | 13               | 14.22          | 14.29          | 14.24          | 15.5           |
|                  |                   | 25             | 25               | 14.31          | 14.33          | 14.19          | 15.5           |
|                  |                   | 50             | 0                | 14.37          | 14.28          | 14.37          | 15.5           |
|                  | 64QAM             | 1              | 0                | 14.5           | 14.27          | 14.18          | 15.5           |
|                  |                   | 1              | 25               | 14.23          | 14.12          | 14.01          | 15.5           |
|                  |                   | 1              | 49               | 14.42          | 14.26          | 14.35          | 15.5           |
|                  |                   | 25             | 0                | 14.23          | 13.96          | 14.22          | 15.5           |
|                  |                   | 25             | 13               | 14.22          | 14.26          | 14.08          | 15.5           |
|                  |                   | 25             | 25               | 14.14          | 14.06          | 13.95          | 15.5           |
|                  |                   | 50             | 0                | 14.3           | 14.11          | 14.07          | 15.5           |

| LTE Band 5 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO |                   |                |                  | Conducted Power(dBm) |                |                |                |
|---|-------------------|----------------|------------------|----------------------|----------------|----------------|----------------|
| <b>Bandwidth</b>  | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b>       | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|   |                   |                |                  | 20407                | 20525          | 20643          |                |
| <b>1.4MHz</b>   | QPSK              | 1              | 0                | 14.44                | 14.47          | 14.41          | 15.5           |
|   |                   | 1              | 2                | 14.78                | 14.7           | 14.04          | 15.5           |
|   |                   | 1              | 5                | 14.38                | 14.41          | 14.37          | 15.5           |
|   |                   | 3              | 0                | 14.4                 | 14.38          | 14.21          | 15.5           |

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|           |            | 3       | 2         | 14.46         | 14.12         | 14.2          | 15.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 3       | 3         | 14.43         | 13.92         | 14.3          | 15.5    |
|           |            | 6       | 0         | 14.52         | 14.47         | 14.2          | 15.5    |
|           | 16QAM      | 1       | 0         | 15.04         | 14.96         | 14.05         | 15.5    |
|           |            | 1       | 2         | 14.91         | 14.51         | 14.76         | 15.5    |
|           |            | 1       | 5         | 14.36         | 14.81         | 14.52         | 15.5    |
|           |            | 3       | 0         | 14.52         | 14.59         | 14.24         | 15.5    |
|           |            | 3       | 2         | 14.42         | 14.63         | 14.45         | 15.5    |
|           |            | 3       | 3         | 14.22         | 14.52         | 14.21         | 15.5    |
|           |            | 6       | 0         | 14.21         | 14.58         | 14.34         | 15.5    |
|           |            | 6       | 0         | 14.21         | 14.58         | 14.34         | 15.5    |
|           | 64QAM      | 1       | 0         | 14.45         | 14.29         | 14.06         | 15.5    |
|           |            | 1       | 2         | 14.18         | 14.12         | 13.89         | 15.5    |
|           |            | 1       | 5         | 14.39         | 14.35         | 14.34         | 15.5    |
|           |            | 3       | 0         | 14.21         | 13.94         | 14.16         | 15.5    |
|           |            | 3       | 2         | 14.15         | 14.25         | 14.05         | 15.5    |
|           |            | 3       | 3         | 14.02         | 14            | 13.9          | 15.5    |
|           |            | 6       | 0         | 14.24         | 14.12         | 14.02         | 15.5    |
|           |            | 6       | 0         | 14.24         | 14.12         | 14.02         | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20415 | Channel 20525 | Channel 20635 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 14.39         | 14.38         | 14.23         | 15.5    |
|           |            | 1       | 7         | 13.67         | 14.11         | 14.73         | 15.5    |
|           |            | 1       | 14        | 14.49         | 14.33         | 14.28         | 15.5    |
|           |            | 8       | 0         | 14.27         | 14.46         | 14.3          | 15.5    |
|           |            | 8       | 4         | 14.32         | 14.22         | 14.17         | 15.5    |
|           |            | 8       | 7         | 14.3          | 14.15         | 14.37         | 15.5    |
|           |            | 15      | 0         | 14.43         | 14.47         | 14.3          | 15.5    |
|           |            | 15      | 0         | 14.43         | 14.47         | 14.3          | 15.5    |
|           | 16QAM      | 1       | 0         | 14.78         | 14.88         | 14.41         | 15.5    |
|           |            | 1       | 7         | 14.51         | 14.65         | 13.33         | 15.5    |
|           |            | 1       | 14        | 14.37         | 14.7          | 14.72         | 15.5    |
|           |            | 8       | 0         | 14.54         | 14.23         | 14.28         | 15.5    |
|           |            | 8       | 4         | 14.46         | 14.11         | 14.17         | 15.5    |
|           |            | 8       | 7         | 14.25         | 14.42         | 14.14         | 15.5    |
|           |            | 15      | 0         | 14.38         | 14.27         | 14.24         | 15.5    |
|           |            | 15      | 0         | 14.38         | 14.27         | 14.24         | 15.5    |
|           | 64QAM      | 1       | 0         | 14.44         | 14.3          | 14.08         | 15.5    |
|           |            | 1       | 7         | 14.14         | 14.16         | 13.9          | 15.5    |
|           |            | 1       | 14        | 14.34         | 14.26         | 14.36         | 15.5    |
|           |            | 8       | 0         | 14.14         | 13.94         | 14.13         | 15.5    |
|           |            | 8       | 4         | 14.16         | 14.25         | 14.07         | 15.5    |
|           |            | 8       | 7         | 14.03         | 14.05         | 13.93         | 15.5    |
|           |            | 15      | 0         | 14.25         | 14.14         | 13.96         | 15.5    |
|           |            | 15      | 0         | 14.25         | 14.14         | 13.96         | 15.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20425 | Channel 20525 | Channel 20625 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 14.51         | 14.37         | 14.32         | 15.5    |
|           |            | 1       | 13        | 14.29         | 14.46         | 14.37         | 15.5    |
|           |            | 1       | 24        | 14.3          | 14.4          | 14.32         | 15.5    |
|           |            | 12      | 0         | 14.51         | 14.49         | 14.41         | 15.5    |
|           |            | 12      | 6         | 14.24         | 14.42         | 14.36         | 15.5    |
|           |            | 12      | 6         | 14.24         | 14.42         | 14.36         | 15.5    |

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|  |           |            |         |           |         |         |         |
|--|-----------|------------|---------|-----------|---------|---------|---------|
|  |           | 12         | 13      | 14.47     | 14.42   | 14.4    | 15.5    |
|  |           | 25         | 0       | 14.31     | 14.37   | 14.34   | 15.5    |
|  | 16QAM     | 1          | 0       | 14.58     | 14.74   | 14.79   | 15.5    |
|  |           | 1          | 13      | 14.99     | 14.57   | 14.36   | 15.5    |
|  |           | 1          | 24      | 14.63     | 14.48   | 14.39   | 15.5    |
|  |           | 12         | 0       | 14.42     | 14.37   | 14.33   | 15.5    |
|  |           | 12         | 6       | 14.59     | 14.33   | 14.37   | 15.5    |
|  |           | 12         | 13      | 14.39     | 14.52   | 14.3    | 15.5    |
|  |           | 25         | 0       | 14.34     | 14.29   | 14.27   | 15.5    |
|  |           | 1          | 0       | 14.43     | 14.3    | 14.11   | 15.5    |
|  | 64QAM     | 1          | 13      | 14.24     | 14.1    | 13.88   | 15.5    |
|  |           | 1          | 24      | 14.33     | 14.34   | 14.42   | 15.5    |
|  |           | 12         | 0       | 14.19     | 13.9    | 14.09   | 15.5    |
|  |           | 12         | 6       | 14.13     | 14.17   | 14.06   | 15.5    |
|  |           | 12         | 13      | 14.05     | 14.02   | 13.89   | 15.5    |
|  |           | 25         | 0       | 14.26     | 14.13   | 14.03   | 15.5    |
|  | Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel |
|  |           |            |         |           | 20450   | 20525   | 20600   |
|  | 10MHz     | QPSK       | 1       | 0         | 14.47   | 14.46   | 14.32   |
|  |           |            | 1       | 25        | 14.66   | 14.31   | 14.44   |
|  |           |            | 1       | 49        | 14.36   | 14.37   | 14.23   |
|  |           |            | 25      | 0         | 14.42   | 14.4    | 14.32   |
|  |           |            | 25      | 13        | 14.49   | 14.42   | 14.45   |
|  |           |            | 25      | 25        | 14.39   | 14.38   | 14.33   |
|  |           |            | 50      | 0         | 14.48   | 14.38   | 14.44   |
|  |           |            | 1       | 0         | 14.42   | 15.05   | 14.72   |
|  |           | 16QAM      | 1       | 25        | 14.36   | 14.36   | 14.66   |
|  |           |            | 1       | 49        | 14.5    | 14.9    | 14.46   |
|  |           |            | 25      | 0         | 14.44   | 14.33   | 14.36   |
|  |           |            | 25      | 13        | 14.16   | 14.25   | 14.24   |
|  |           |            | 25      | 25        | 14.44   | 14.39   | 14.37   |
|  |           |            | 50      | 0         | 14.29   | 14.27   | 14.22   |
|  |           |            | 1       | 0         | 14.49   | 14.23   | 14.09   |
|  |           |            | 1       | 25        | 14.23   | 14.15   | 13.89   |
|  |           | 64QAM      | 1       | 49        | 14.32   | 14.25   | 14.42   |
|  |           |            | 25      | 0         | 14.18   | 13.96   | 14.18   |
|  |           |            | 25      | 13        | 14.16   | 14.17   | 14.11   |
|  |           |            | 25      | 25        | 14.07   | 14      | 13.96   |
|  |           |            | 50      | 0         | 14.26   | 14.18   | 14.06   |
|  |           |            | 1       | 0         | 14.47   | 14.46   | 14.32   |
|  |           |            | 1       | 25        | 14.66   | 14.31   | 14.44   |
|  |           |            | 1       | 49        | 14.36   | 14.37   | 14.23   |
|  |           |            | 25      | 0         | 14.42   | 14.4    | 14.32   |
|  |           |            | 25      | 13        | 14.49   | 14.42   | 14.45   |
|  |           |            | 25      | 25        | 14.39   | 14.38   | 14.33   |
|  |           |            | 50      | 0         | 14.48   | 14.38   | 14.44   |
|  |           |            | 1       | 0         | 14.42   | 15.05   | 14.72   |
|  |           |            | 1       | 25        | 14.36   | 14.36   | 14.66   |
|  |           |            | 1       | 49        | 14.5    | 14.9    | 14.46   |
|  |           |            | 25      | 0         | 14.44   | 14.33   | 14.36   |
|  |           |            | 25      | 13        | 14.16   | 14.25   | 14.24   |
|  |           |            | 25      | 25        | 14.44   | 14.39   | 14.37   |
|  |           |            | 50      | 0         | 14.29   | 14.27   | 14.22   |
|  |           |            | 1       | 0         | 14.49   | 14.23   | 14.09   |
|  |           |            | 1       | 25        | 14.23   | 14.15   | 13.89   |
|  |           |            | 1       | 49        | 14.32   | 14.25   | 14.42   |
|  |           |            | 25      | 0         | 14.18   | 13.96   | 14.18   |
|  |           |            | 25      | 13        | 14.16   | 14.17   | 14.11   |
|  |           |            | 25      | 25        | 14.07   | 14      | 13.96   |
|  |           |            | 50      | 0         | 14.26   | 14.18   | 14.06   |

| LTE Band 5 Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 18.44                | 18.53   | 18.28   | 19.5    |
|  |            | 1       | 2         | 17.72                | 17.34   | 17.31   | 19.5    |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 5         | 18.5    | 18.41   | 18.35   | 19.5    |
|           |            | 3       | 0         | 18.26   | 18.31   | 18.25   | 19.5    |
|           |            | 3       | 2         | 17.83   | 17.45   | 18.15   | 19.5    |
|           |            | 3       | 3         | 18.1    | 18.22   | 18.17   | 19.5    |
|           |            | 6       | 0         | 18.3    | 18.24   | 18.43   | 19.5    |
|           | 16QAM      | 1       | 0         | 18.95   | 18.47   | 18.64   | 19.5    |
|           |            | 1       | 2         | 18.71   | 18.62   | 18.14   | 19.5    |
|           |            | 1       | 5         | 18.87   | 18.86   | 18.74   | 19.5    |
|           |            | 3       | 0         | 18.37   | 18.4    | 18.13   | 19.5    |
|           |            | 3       | 2         | 17.82   | 18.99   | 18.25   | 19.5    |
|           |            | 3       | 3         | 18.51   | 18.4    | 18.27   | 19.5    |
|           |            | 6       | 0         | 18.1    | 18.35   | 18.12   | 19.5    |
|           | 64QAM      | 1       | 0         | 18.58   | 18.32   | 18.16   | 19.5    |
|           |            | 1       | 2         | 18.26   | 18.16   | 17.95   | 19.5    |
|           |            | 1       | 5         | 18.33   | 18.34   | 18.48   | 19.5    |
|           |            | 3       | 0         | 18.19   | 18.01   | 18.25   | 19.5    |
|           |            | 3       | 2         | 18.21   | 18.19   | 18.19   | 19.5    |
|           |            | 3       | 3         | 18.14   | 18.02   | 17.96   | 19.5    |
|           |            | 6       | 0         | 18.27   | 18.2    | 18.16   | 19.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20415   | 20525   | 20635   |         |
| 3MHz      | QPSK       | 1       | 0         | 18.58   | 18.34   | 18.35   | 19.5    |
|           |            | 1       | 7         | 18.78   | 18.32   | 18.22   | 19.5    |
|           |            | 1       | 14        | 18.39   | 18.34   | 18.33   | 19.5    |
|           |            | 8       | 0         | 18.54   | 18.5    | 18.37   | 19.5    |
|           |            | 8       | 4         | 18.12   | 18.39   | 17.99   | 19.5    |
|           |            | 8       | 7         | 18.26   | 18.4    | 18.34   | 19.5    |
|           |            | 15      | 0         | 18.46   | 18.42   | 18.39   | 19.5    |
|           | 16QAM      | 1       | 0         | 18.75   | 18.22   | 18.65   | 19.5    |
|           |            | 1       | 7         | 18.91   | 18.77   | 18.71   | 19.5    |
|           |            | 1       | 14        | 18.25   | 18.31   | 18.65   | 19.5    |
|           |            | 8       | 0         | 17.99   | 18.28   | 18.33   | 19.5    |
|           |            | 8       | 4         | 18.42   | 18.24   | 18.24   | 19.5    |
|           |            | 8       | 7         | 18.37   | 18.53   | 18.16   | 19.5    |
|           |            | 15      | 0         | 18.4    | 18.4    | 18.3    | 19.5    |
|           | 64QAM      | 1       | 0         | 18.58   | 18.33   | 18.12   | 19.5    |
|           |            | 1       | 7         | 18.29   | 18.23   | 17.9    | 19.5    |
|           |            | 1       | 14        | 18.34   | 18.34   | 18.46   | 19.5    |
|           |            | 8       | 0         | 18.24   | 18.03   | 18.22   | 19.5    |
|           |            | 8       | 4         | 18.25   | 18.24   | 18.16   | 19.5    |
|           |            | 8       | 7         | 18.16   | 18.09   | 18.03   | 19.5    |
|           |            | 15      | 0         | 18.36   | 18.21   | 18.15   | 19.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 18.36   | 18.43   | 18.18   | 19.5    |
|           |            | 1       | 13        | 18.47   | 18.37   | 18.32   | 19.5    |
|           |            | 1       | 24        | 18.36   | 18.41   | 18.35   | 19.5    |

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|       |           |            |         |           |         |         |         |         |
|-------|-----------|------------|---------|-----------|---------|---------|---------|---------|
|       |           | 12         | 0       | 18.46     | 18.49   | 18.43   | 19.5    |         |
|       |           | 12         | 6       | 18.34     | 18.36   | 18.38   | 19.5    |         |
|       |           | 12         | 13      | 18.44     | 18.39   | 18.41   | 19.5    |         |
|       |           | 25         | 0       | 18.4      | 18.33   | 18.34   | 19.5    |         |
|       | 16QAM     | 1          | 0       | 18.57     | 18.3    | 18.7    | 19.5    |         |
|       |           | 1          | 13      | 18.86     | 18.49   | 18.09   | 19.5    |         |
|       |           | 1          | 24      | 18.75     | 18.8    | 18.66   | 19.5    |         |
|       |           | 12         | 0       | 18.45     | 18.36   | 18.36   | 19.5    |         |
|       |           | 12         | 6       | 18.41     | 18.52   | 18.37   | 19.5    |         |
|       |           | 12         | 13      | 18.4      | 18.51   | 18.42   | 19.5    |         |
|       |           | 25         | 0       | 18.27     | 18.36   | 18.21   | 19.5    |         |
|       |           | 64QAM      | 1       | 0         | 18.58   | 18.31   | 18.11   | 19.5    |
|       | 1         |            | 13      | 18.32     | 18.17   | 17.93   | 19.5    |         |
|       | 1         |            | 24      | 18.33     | 18.28   | 18.5    | 19.5    |         |
|       | 12        |            | 0       | 18.21     | 18.05   | 18.23   | 19.5    |         |
|       | 12        |            | 6       | 18.16     | 18.2    | 18.15   | 19.5    |         |
|       | 12        |            | 13      | 18.16     | 18.01   | 17.97   | 19.5    |         |
|       | 25        |            | 0       | 18.26     | 18.24   | 18.12   | 19.5    |         |
|       | Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|       |           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz | QPSK      | 1          | 0       | 18.52     | 18.33   | 18.39   | 19.5    |         |
|       |           | 1          | 25      | 17.92     | 18.53   | 17.93   | 19.5    |         |
|       |           | 1          | 49      | 18.34     | 18.25   | 18.28   | 19.5    |         |
|       |           | 25         | 0       | 18.36     | 18.35   | 18.42   | 19.5    |         |
|       |           | 25         | 13      | 18.39     | 18.46   | 18.3    | 19.5    |         |
|       |           | 25         | 25      | 18.41     | 18.37   | 18.38   | 19.5    |         |
|       |           | 50         | 0       | 18.36     | 18.39   | 18.38   | 19.5    |         |
|       | 16QAM     | 1          | 0       | 18.87     | 18.42   | 18.62   | 19.5    |         |
|       |           | 1          | 25      | 18.23     | 18.37   | 18.47   | 19.5    |         |
|       |           | 1          | 49      | 18.78     | 18.74   | 18.34   | 19.5    |         |
|       |           | 25         | 0       | 18.32     | 18.36   | 18.31   | 19.5    |         |
|       |           | 25         | 13      | 18.35     | 18.27   | 18.32   | 19.5    |         |
|       |           | 25         | 25      | 18.27     | 18.4    | 18.27   | 19.5    |         |
|       |           | 50         | 0       | 18.36     | 18.39   | 18.19   | 19.5    |         |
|       | 64QAM     | 1          | 0       | 18.52     | 18.33   | 18.16   | 19.5    |         |
|       |           | 1          | 25      | 18.23     | 18.24   | 17.9    | 19.5    |         |
|       |           | 1          | 49      | 18.34     | 18.34   | 18.51   | 19.5    |         |
|       |           | 25         | 0       | 18.2      | 17.99   | 18.27   | 19.5    |         |
|       |           | 25         | 13      | 18.22     | 18.24   | 18.16   | 19.5    |         |
|       |           | 25         | 25      | 18.15     | 18.02   | 17.97   | 19.5    |         |
|       |           | 50         | 0       | 18.34     | 18.21   | 18.1    | 19.5    |         |

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| LTE Band 5 Receiver on(Left head) + WiFi2.4G<br>Ant1 + WiFi5G Ant2 |            |            |              | Conducted Power(dBm) |                  |                  |         |
|--|------------|------------|--------------|----------------------|------------------|------------------|---------|
| Bandwidth  | Modulation | RB<br>size | RB<br>offset | Channel<br>20407     | Channel<br>20525 | Channel<br>20643 | Tune up |
| 1.4MHz   | QPSK       | 1          | 0            | 16.54                | 16.38            | 16.34            | 17.5    |
|  |            | 1          | 2            | 16.6                 | 16.68            | 16.53            | 17.5    |
|  |            | 1          | 5            | 16.45                | 16.41            | 16.28            | 17.5    |
|  |            | 3          | 0            | 16.43                | 16.43            | 16.36            | 17.5    |
|  |            | 3          | 2            | 16.47                | 16.1             | 16.26            | 17.5    |
|  |            | 3          | 3            | 16.37                | 16.43            | 16.22            | 17.5    |
|  |            | 6          | 0            | 16.44                | 16.5             | 16.1             | 17.5    |
|  | 16QAM      | 1          | 0            | 16.82                | 16.62            | 16.39            | 17.5    |
|  |            | 1          | 2            | 16.69                | 15.89            | 15.98            | 17.5    |
|  |            | 1          | 5            | 16.7                 | 16.75            | 16.67            | 17.5    |
|  |            | 3          | 0            | 16.66                | 15.74            | 16.2             | 17.5    |
|  |            | 3          | 2            | 15.94                | 16.33            | 16.28            | 17.5    |
|  |            | 3          | 3            | 16.41                | 16.39            | 16.46            | 17.5    |
|  |            | 6          | 0            | 16.57                | 16.56            | 16.17            | 17.5    |
|  | 64QAM      | 1          | 0            | 16.5                 | 16.33            | 16.17            | 17.5    |
|  |            | 1          | 2            | 16.23                | 16.23            | 16.03            | 17.5    |
|  |            | 1          | 5            | 16.44                | 16.32            | 16.36            | 17.5    |
|  |            | 3          | 0            | 16.28                | 16.04            | 16.16            | 17.5    |
|  |            | 3          | 2            | 16.21                | 16.23            | 16.13            | 17.5    |
|  |            | 3          | 3            | 16.2                 | 16.18            | 16.05            | 17.5    |
|  |            | 6          | 0            | 16.32                | 16.18            | 16.19            | 17.5    |
| Bandwidth  | Modulation | RB<br>size | RB<br>offset | Channel<br>20415     | Channel<br>20525 | Channel<br>20635 | Tune up |
| 3MHz   | QPSK       | 1          | 0            | 16.44                | 16.37            | 16.27            | 17.5    |
|  |            | 1          | 7            | 15.27                | 16.41            | 14.98            | 17.5    |
|  |            | 1          | 14           | 16.46                | 16.37            | 16.32            | 17.5    |
|  |            | 8          | 0            | 16.37                | 16.45            | 16.2             | 17.5    |
|  |            | 8          | 4            | 16.36                | 16.33            | 16.36            | 17.5    |
|  |            | 8          | 7            | 16.39                | 16.43            | 16.43            | 17.5    |
|  |            | 15         | 0            | 16.43                | 16.43            | 16.37            | 17.5    |
|  | 16QAM      | 1          | 0            | 16.8                 | 16.67            | 16.5             | 17.5    |
|  |            | 1          | 7            | 16.42                | 16.24            | 16.18            | 17.5    |
|  |            | 1          | 14           | 16.7                 | 16.69            | 16.21            | 17.5    |
|  |            | 8          | 0            | 16.38                | 15.95            | 16.16            | 17.5    |
|  |            | 8          | 4            | 16.46                | 16.52            | 16.27            | 17.5    |
|  |            | 8          | 7            | 16.33                | 16.46            | 16.45            | 17.5    |
|  |            | 15         | 0            | 16.35                | 16.34            | 16.35            | 17.5    |
|  | 64QAM      | 1          | 0            | 16.53                | 16.34            | 16.17            | 17.5    |
|  |            | 1          | 7            | 16.19                | 16.25            | 16.04            | 17.5    |
|  |            | 1          | 14           | 16.4                 | 16.29            | 16.31            | 17.5    |
|  |            | 8          | 0            | 16.28                | 16.04            | 16.18            | 17.5    |
|  |            | 8          | 4            | 16.24                | 16.17            | 16.12            | 17.5    |
|  |            | 8          | 7            | 16.17                | 16.19            | 16.04            | 17.5    |

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| Bandwidth | Modulation | 15      | 0         | 16.34   | 16.15   | 16.12   | 17.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 16.39   | 16.38   | 16.37   | 17.5    |
|           |            | 1       | 13        | 16.41   | 16.54   | 16.35   | 17.5    |
|           |            | 1       | 24        | 16.33   | 16.31   | 16.36   | 17.5    |
|           |            | 12      | 0         | 16.41   | 16.49   | 16.52   | 17.5    |
|           |            | 12      | 6         | 16.42   | 16.37   | 16.34   | 17.5    |
|           |            | 12      | 13        | 16.41   | 16.46   | 16.35   | 17.5    |
|           |            | 25      | 0         | 16.46   | 16.36   | 16.32   | 17.5    |
|           | 16QAM      | 1       | 0         | 16.78   | 16.74   | 16.69   | 17.5    |
|           |            | 1       | 13        | 16.86   | 16.76   | 16.66   | 17.5    |
|           |            | 1       | 24        | 16.65   | 16.6    | 16.5    | 17.5    |
|           |            | 12      | 0         | 16.59   | 16.41   | 16.26   | 17.5    |
|           |            | 12      | 6         | 16.44   | 16.55   | 16.33   | 17.5    |
|           |            | 12      | 13        | 16.44   | 16.39   | 16.55   | 17.5    |
|           |            | 25      | 0         | 16.3    | 16.37   | 16.28   | 17.5    |
|           | 64QAM      | 1       | 0         | 16.5    | 16.36   | 16.21   | 17.5    |
|           |            | 1       | 13        | 16.24   | 16.22   | 16.02   | 17.5    |
|           |            | 1       | 24        | 16.44   | 16.35   | 16.39   | 17.5    |
|           |            | 12      | 0         | 16.31   | 16.06   | 16.19   | 17.5    |
|           |            | 12      | 6         | 16.15   | 16.17   | 16.21   | 17.5    |
|           |            | 12      | 13        | 16.22   | 16.19   | 16      | 17.5    |
|           |            | 25      | 0         | 16.33   | 16.17   | 16.12   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 16.37   | 16.44   | 16.41   | 17.5    |
|           |            | 1       | 25        | 16.41   | 15.93   | 15.51   | 17.5    |
|           |            | 1       | 49        | 16.34   | 16.43   | 16.31   | 17.5    |
|           |            | 25      | 0         | 16.44   | 16.34   | 16.33   | 17.5    |
|           |            | 25      | 13        | 16.35   | 16.34   | 16.27   | 17.5    |
|           |            | 25      | 25        | 16.37   | 16.44   | 16.35   | 17.5    |
|           |            | 50      | 0         | 16.46   | 16.4    | 16.33   | 17.5    |
|           | 16QAM      | 1       | 0         | 16.62   | 16.59   | 16.91   | 17.5    |
|           |            | 1       | 25        | 16.74   | 16.65   | 15.8    | 17.5    |
|           |            | 1       | 49        | 16.55   | 15.92   | 16.48   | 17.5    |
|           |            | 25      | 0         | 16.45   | 16.35   | 16.39   | 17.5    |
|           |            | 25      | 13        | 16.38   | 16.45   | 16.26   | 17.5    |
|           |            | 25      | 25        | 16.4    | 16.35   | 16.26   | 17.5    |
|           |            | 50      | 0         | 16.33   | 16.3    | 16.24   | 17.5    |
|           | 64QAM      | 1       | 0         | 16.48   | 16.31   | 16.21   | 17.5    |
|           |            | 1       | 25        | 16.25   | 16.22   | 15.98   | 17.5    |
|           |            | 1       | 49        | 16.48   | 16.34   | 16.39   | 17.5    |
|           |            | 25      | 0         | 16.25   | 16.05   | 16.16   | 17.5    |
|           |            | 25      | 13        | 16.24   | 16.24   | 16.2    | 17.5    |
|           |            | 25      | 25        | 16.14   | 16.19   | 15.95   | 17.5    |
|           |            | 50      | 0         | 16.36   | 16.22   | 16.12   | 17.5    |

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| LTE Band 5 Receiver on(Right head) + WiFi2.4G<br>Ant1 + WiFi5G Ant2 |            |            |              | Conducted Power(dBm) |                  |                  |         |
|---|------------|------------|--------------|----------------------|------------------|------------------|---------|
| Bandwidth   | Modulation | RB<br>size | RB<br>offset | Channel<br>20407     | Channel<br>20525 | Channel<br>20643 | Tune up |
| 1.4MHz  | QPSK       | 1          | 0            | 16.45                | 16.47            | 16.3             | 17.5    |
|   |            | 1          | 2            | 16.43                | 15.97            | 16.5             | 17.5    |
|   |            | 1          | 5            | 16.39                | 16.44            | 16.34            | 17.5    |
|   |            | 3          | 0            | 16.41                | 16.39            | 16.56            | 17.5    |
|   |            | 3          | 2            | 16.05                | 16.25            | 16.22            | 17.5    |
|   |            | 3          | 3            | 16.42                | 16.14            | 16.25            | 17.5    |
|   |            | 6          | 0            | 16.01                | 16.23            | 16.23            | 17.5    |
|   | 16QAM      | 1          | 0            | 16.98                | 16.89            | 16.68            | 17.5    |
|   |            | 1          | 2            | 16.33                | 16.47            | 16.6             | 17.5    |
|   |            | 1          | 5            | 16.5                 | 16.87            | 16.86            | 17.5    |
|   |            | 3          | 0            | 16.27                | 16.47            | 16.57            | 17.5    |
|   |            | 3          | 2            | 16.65                | 17.07            | 16.19            | 17.5    |
|   |            | 3          | 3            | 16.74                | 16.24            | 16.25            | 17.5    |
|   |            | 6          | 0            | 15.91                | 16.37            | 16.28            | 17.5    |
|   | 64QAM      | 1          | 0            | 16.44                | 16.28            | 16.13            | 17.5    |
|   |            | 1          | 2            | 16.25                | 16.16            | 15.96            | 17.5    |
|   |            | 1          | 5            | 16.46                | 16.31            | 16.39            | 17.5    |
|   |            | 3          | 0            | 16.19                | 15.97            | 16.15            | 17.5    |
|   |            | 3          | 2            | 16.17                | 16.19            | 16.13            | 17.5    |
|   |            | 3          | 3            | 16.09                | 16.12            | 15.92            | 17.5    |
|   |            | 6          | 0            | 16.28                | 16.18            | 16.09            | 17.5    |
| Bandwidth   | Modulation | RB<br>size | RB<br>offset | Channel<br>20415     | Channel<br>20525 | Channel<br>20635 | Tune up |
| 3MHz  | QPSK       | 1          | 0            | 16.5                 | 16.57            | 16.37            | 17.5    |
|   |            | 1          | 7            | 15.88                | 15.48            | 14.67            | 17.5    |
|   |            | 1          | 14           | 16.41                | 16.49            | 16.3             | 17.5    |
|   |            | 8          | 0            | 16.17                | 16.38            | 16.29            | 17.5    |
|   |            | 8          | 4            | 16.53                | 16.2             | 16.31            | 17.5    |
|   |            | 8          | 7            | 16.37                | 16.4             | 15.81            | 17.5    |
|   |            | 15         | 0            | 16.28                | 16.4             | 16.46            | 17.5    |
|   | 16QAM      | 1          | 0            | 16.39                | 16.4             | 16.87            | 17.5    |
|   |            | 1          | 7            | 16.78                | 16.13            | 16.31            | 17.5    |
|   |            | 1          | 14           | 16.9                 | 16.77            | 16.85            | 17.5    |
|   |            | 8          | 0            | 16.45                | 16.29            | 16.1             | 17.5    |
|   |            | 8          | 4            | 16.27                | 16.37            | 16.37            | 17.5    |
|   |            | 8          | 7            | 16.14                | 16.43            | 16.3             | 17.5    |
|   |            | 15         | 0            | 16.32                | 16.34            | 16.32            | 17.5    |
|   | 64QAM      | 1          | 0            | 16.45                | 16.31            | 16.17            | 17.5    |
|   |            | 1          | 7            | 16.16                | 16.17            | 15.9             | 17.5    |
|   |            | 1          | 14           | 16.46                | 16.27            | 16.36            | 17.5    |
|   |            | 8          | 0            | 16.25                | 16.01            | 16.12            | 17.5    |

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|           |            | 8       | 4         | 16.2    | 16.21   | 16.19   | 17.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 16.05   | 16.12   | 15.94   | 17.5    |
|           |            | 15      | 0         | 16.32   | 16.2    | 16.05   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 16.36   | 16.39   | 16.34   | 17.5    |
|           |            | 1       | 13        | 16.47   | 16.34   | 16.21   | 17.5    |
|           |            | 1       | 24        | 16.33   | 16.47   | 16.36   | 17.5    |
|           |            | 12      | 0         | 16.44   | 16.51   | 16.29   | 17.5    |
|           |            | 12      | 6         | 16.37   | 16.38   | 16.35   | 17.5    |
|           |            | 12      | 13        | 16.44   | 16.49   | 16.35   | 17.5    |
|           |            | 25      | 0         | 16.28   | 16.44   | 16.34   | 17.5    |
|           | 16QAM      | 1       | 0         | 16.69   | 16.92   | 16.7    | 17.5    |
|           |            | 1       | 13        | 16.8    | 16.71   | 16.47   | 17.5    |
|           |            | 1       | 24        | 16.21   | 16.36   | 16.66   | 17.5    |
|           |            | 12      | 0         | 16.38   | 16.33   | 16.45   | 17.5    |
|           |            | 12      | 6         | 16.4    | 16.5    | 16.31   | 17.5    |
|           |            | 12      | 13        | 16.34   | 16.42   | 16.29   | 17.5    |
|           |            | 25      | 0         | 16.44   | 16.27   | 16.24   | 17.5    |
|           | 64QAM      | 1       | 0         | 16.42   | 16.25   | 16.12   | 17.5    |
|           |            | 1       | 13        | 16.17   | 16.15   | 15.89   | 17.5    |
|           |            | 1       | 24        | 16.44   | 16.28   | 16.39   | 17.5    |
|           |            | 12      | 0         | 16.16   | 15.95   | 16.08   | 17.5    |
|           |            | 12      | 6         | 16.19   | 16.24   | 16.17   | 17.5    |
|           |            | 12      | 13        | 16.05   | 16.11   | 15.88   | 17.5    |
|           |            | 25      | 0         | 16.33   | 16.18   | 16.1    | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 16.49   | 16.45   | 16.37   | 17.5    |
|           |            | 1       | 25        | 16.49   | 16.42   | 16      | 17.5    |
|           |            | 1       | 49        | 16.24   | 16.31   | 16.25   | 17.5    |
|           |            | 25      | 0         | 16.38   | 16.4    | 16.4    | 17.5    |
|           |            | 25      | 13        | 16.29   | 16.39   | 16.38   | 17.5    |
|           |            | 25      | 25        | 16.42   | 16.32   | 16.29   | 17.5    |
|           |            | 50      | 0         | 16.38   | 16.45   | 16.4    | 17.5    |
|           | 16QAM      | 1       | 0         | 16.66   | 16.75   | 16.77   | 17.5    |
|           |            | 1       | 25        | 16.35   | 17.18   | 16.64   | 17.5    |
|           |            | 1       | 49        | 16.79   | 16.46   | 16.74   | 17.5    |
|           |            | 25      | 0         | 16.34   | 16.33   | 16.3    | 17.5    |
|           |            | 25      | 13        | 16.44   | 16.4    | 16.09   | 17.5    |
|           |            | 25      | 25        | 16.38   | 16.37   | 16.28   | 17.5    |
|           |            | 50      | 0         | 16.2    | 16.33   | 16.23   | 17.5    |
|           | 64QAM      | 1       | 0         | 16.44   | 16.22   | 16.2    | 17.5    |
|           |            | 1       | 25        | 16.24   | 16.16   | 15.93   | 17.5    |
|           |            | 1       | 49        | 16.47   | 16.29   | 16.32   | 17.5    |
|           |            | 25      | 0         | 16.22   | 16.04   | 16.13   | 17.5    |
|           |            | 25      | 13        | 16.24   | 16.16   | 16.19   | 17.5    |

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|  |  |    |    |       |       |       |      |
|--|--|----|----|-------|-------|-------|------|
|  |  | 25 | 25 | 16.13 | 16.19 | 15.89 | 17.5 |
|  |  | 50 | 0  | 16.3  | 16.16 | 16.12 | 17.5 |

| LTE Band 5 Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2 |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 20.5                 | 20.39   | 20.41   | 21.5    |
|   |            | 1       | 2         | 20.04                | 20      | 19.98   | 21.5    |
|   |            | 1       | 5         | 20.47                | 20.44   | 20.3    | 21.5    |
|   |            | 3       | 0         | 20.68                | 20.3    | 20.37   | 21.5    |
|   |            | 3       | 2         | 20.36                | 19.66   | 20.52   | 21.5    |
|   |            | 3       | 3         | 20.54                | 20.29   | 20.27   | 21.5    |
|   |            | 6       | 0         | 20.29                | 20.33   | 20.3    | 21.5    |
|   | 16QAM      | 1       | 0         | 20.81                | 20.92   | 20.41   | 21.5    |
|   |            | 1       | 2         | 20.34                | 20.29   | 20.01   | 21.5    |
|   |            | 1       | 5         | 21.02                | 20.4    | 20.22   | 21.5    |
|   |            | 3       | 0         | 20.28                | 20.3    | 20.31   | 21.5    |
|   |            | 3       | 2         | 19.77                | 20.72   | 19.8    | 21.5    |
|   |            | 3       | 3         | 20.53                | 19.95   | 20.19   | 21.5    |
|   |            | 6       | 0         | 20.43                | 20.34   | 20.03   | 21.5    |
|   | 64QAM      | 1       | 0         | 20.43                | 20.22   | 20.06   | 21.5    |
|   |            | 1       | 2         | 20.17                | 20.07   | 19.89   | 21.5    |
|   |            | 1       | 5         | 20.46                | 20.26   | 20.38   | 21.5    |
|   |            | 3       | 0         | 20.11                | 19.88   | 20.08   | 21.5    |
|   |            | 3       | 2         | 20.08                | 20.16   | 20.11   | 21.5    |
|   |            | 3       | 3         | 20                   | 20.12   | 19.84   | 21.5    |
|   |            | 6       | 0         | 20.23                | 20.13   | 20.06   | 21.5    |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz  | QPSK       | 1       | 0         | 20.54                | 20.41   | 20.17   | 21.5    |
|   |            | 1       | 7         | 20.3                 | 19.82   | 19.9    | 21.5    |
|   |            | 1       | 14        | 20.29                | 20.29   | 20.4    | 21.5    |
|   |            | 8       | 0         | 20.48                | 20.33   | 20.42   | 21.5    |
|   |            | 8       | 4         | 20.45                | 20.47   | 20.42   | 21.5    |
|   |            | 8       | 7         | 20.23                | 20.44   | 20.19   | 21.5    |
|   |            | 15      | 0         | 20.38                | 20.5    | 20.35   | 21.5    |
|   | 16QAM      | 1       | 0         | 21.03                | 20.91   | 20.67   | 21.5    |
|   |            | 1       | 7         | 20.58                | 21.51   | 19.83   | 21.5    |
|   |            | 1       | 14        | 20.41                | 20.62   | 20.64   | 21.5    |
|   |            | 8       | 0         | 20.41                | 20.28   | 20.34   | 21.5    |
|   |            | 8       | 4         | 20.27                | 20.38   | 20.22   | 21.5    |
|   |            | 8       | 7         | 20.35                | 20.26   | 20.33   | 21.5    |
|   |            | 15      | 0         | 20.28                | 20.46   | 20.39   | 21.5    |
|   | 64QAM      | 1       | 0         | 20.41                | 20.23   | 20.05   | 21.5    |
|   |            | 1       | 7         | 20.17                | 20.11   | 19.88   | 21.5    |

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|           |            | 1       | 14        | 20.44   | 20.21   | 20.38   | 21.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 0         | 20.15   | 19.93   | 20.07   | 21.5    |
|           |            | 8       | 4         | 20.12   | 20.14   | 20.11   | 21.5    |
|           |            | 8       | 7         | 20.06   | 20.08   | 19.85   | 21.5    |
|           |            | 15      | 0         | 20.23   | 20.1    | 20.04   | 21.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.49   | 20.44   | 20.34   | 21.5    |
|           |            | 1       | 13        | 20.42   | 20.4    | 20.32   | 21.5    |
|           |            | 1       | 24        | 20.49   | 20.35   | 20.32   | 21.5    |
|           |            | 12      | 0         | 20.4    | 20.42   | 20.36   | 21.5    |
|           |            | 12      | 6         | 20.31   | 20.28   | 20.29   | 21.5    |
|           |            | 12      | 13        | 20.48   | 20.46   | 20.3    | 21.5    |
|           |            | 25      | 0         | 20.45   | 20.41   | 20.38   | 21.5    |
|           | 16QAM      | 1       | 0         | 20.96   | 20.29   | 20.21   | 21.5    |
|           |            | 1       | 13        | 20.71   | 20.82   | 20.61   | 21.5    |
|           |            | 1       | 24        | 20.93   | 20.61   | 20.52   | 21.5    |
|           |            | 12      | 0         | 20.45   | 20.47   | 20.44   | 21.5    |
|           |            | 12      | 6         | 20.42   | 20.22   | 20.12   | 21.5    |
|           |            | 12      | 13        | 20.45   | 20.46   | 20.22   | 21.5    |
|           |            | 25      | 0         | 20.23   | 20.32   | 20.2    | 21.5    |
|           | 64QAM      | 1       | 0         | 20.36   | 20.23   | 20.04   | 21.5    |
|           |            | 1       | 13        | 20.16   | 20.07   | 19.87   | 21.5    |
|           |            | 1       | 24        | 20.38   | 20.23   | 20.37   | 21.5    |
|           |            | 12      | 0         | 20.16   | 19.91   | 20.09   | 21.5    |
|           |            | 12      | 6         | 20.15   | 20.12   | 20.07   | 21.5    |
|           |            | 12      | 13        | 20.01   | 20.11   | 19.87   | 21.5    |
|           |            | 25      | 0         | 20.25   | 20.12   | 20.04   | 21.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.51   | 20.44   | 20.33   | 21.5    |
|           |            | 1       | 25        | 19.99   | 20.39   | 20.22   | 21.5    |
|           |            | 1       | 49        | 20.29   | 20.33   | 20.27   | 21.5    |
|           |            | 25      | 0         | 20.43   | 20.41   | 20.35   | 21.5    |
|           |            | 25      | 13        | 20.33   | 20.28   | 20.35   | 21.5    |
|           |            | 25      | 25        | 20.45   | 20.33   | 20.33   | 21.5    |
|           |            | 50      | 0         | 20.43   | 20.46   | 20.32   | 21.5    |
|           | 16QAM      | 1       | 0         | 20.78   | 20.89   | 20.76   | 21.5    |
|           |            | 1       | 25        | 21.08   | 20.69   | 20.31   | 21.5    |
|           |            | 1       | 49        | 20.59   | 20.81   | 20.59   | 21.5    |
|           |            | 25      | 0         | 20.43   | 20.4    | 20.41   | 21.5    |
|           |            | 25      | 13        | 20.47   | 20.26   | 20.1    | 21.5    |
|           |            | 25      | 25        | 20.34   | 20.3    | 20.31   | 21.5    |
|           |            | 50      | 0         | 20.35   | 20.32   | 20.22   | 21.5    |
|           | 64QAM      | 1       | 0         | 20.44   | 20.24   | 20.09   | 21.5    |
|           |            | 1       | 25        | 20.18   | 20.1    | 19.94   | 21.5    |
|           |            | 1       | 49        | 20.38   | 20.25   | 20.35   | 21.5    |

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|  |  |    |    |       |       |       |      |
|--|--|----|----|-------|-------|-------|------|
|  |  | 25 | 0  | 20.17 | 19.94 | 20.14 | 21.5 |
|  |  | 25 | 13 | 20.15 | 20.18 | 20.03 | 21.5 |
|  |  | 25 | 25 | 20.07 | 20.04 | 19.89 | 21.5 |
|  |  | 50 | 0  | 20.21 | 20.09 | 20.03 | 21.5 |

| LTE Band 7 Receiver on(Left head) |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                         | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                   |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                              | QPSK       | 1       | 0         | 15.58                | 15.67   | 15.62   | 16.3    |
|                                   |            | 1       | 13        | 15.67                | 15.68   | 15.65   | 16.3    |
|                                   |            | 1       | 24        | 15.69                | 15.71   | 15.66   | 16.3    |
|                                   |            | 12      | 0         | 15.67                | 15.75   | 15.68   | 16.3    |
|                                   |            | 12      | 6         | 15.61                | 15.66   | 15.59   | 16.3    |
|                                   |            | 12      | 13        | 15.68                | 15.73   | 15.67   | 16.3    |
|                                   |            | 25      | 0         | 15.64                | 15.7    | 15.62   | 16.3    |
|                                   | 16QAM      | 1       | 0         | 15.84                | 15.92   | 15.96   | 16.3    |
|                                   |            | 1       | 13        | 15.93                | 15.85   | 15.84   | 16.3    |
|                                   |            | 1       | 24        | 16.09                | 16.02   | 15.96   | 16.3    |
|                                   |            | 12      | 0         | 15.66                | 15.69   | 15.65   | 16.3    |
|                                   |            | 12      | 6         | 15.64                | 15.68   | 15.64   | 16.3    |
|                                   |            | 12      | 13        | 15.66                | 15.65   | 15.62   | 16.3    |
|                                   |            | 25      | 0         | 15.59                | 15.64   | 15.65   | 16.3    |
|                                   | 64QAM      | 1       | 0         | 15.12                | 15.08   | 14.98   | 16.3    |
|                                   |            | 1       | 13        | 14.52                | 14.73   | 14.6    | 16.3    |
|                                   |            | 1       | 24        | 15.04                | 15.22   | 15.25   | 16.3    |
|                                   |            | 12      | 0         | 14.74                | 14.76   | 14.85   | 16.3    |
|                                   |            | 12      | 6         | 14.74                | 14.79   | 14.88   | 16.3    |
|                                   |            | 12      | 13        | 14.62                | 14.8    | 14.92   | 16.3    |
|                                   |            | 25      | 0         | 14.7                 | 14.73   | 14.88   | 16.3    |
| Bandwidth                         | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                   |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz                             | QPSK       | 1       | 0         | 15.66                | 15.57   | 15.64   | 16.3    |
|                                   |            | 1       | 25        | 15.37                | 15.3    | 15.39   | 16.3    |
|                                   |            | 1       | 49        | 15.67                | 15.66   | 15.68   | 16.3    |
|                                   |            | 25      | 0         | 15.65                | 15.69   | 15.61   | 16.3    |
|                                   |            | 25      | 13        | 15.64                | 15.69   | 15.66   | 16.3    |
|                                   |            | 25      | 25        | 15.72                | 15.72   | 15.68   | 16.3    |
|                                   |            | 50      | 0         | 15.66                | 15.71   | 15.62   | 16.3    |
|                                   | 16QAM      | 1       | 0         | 15.82                | 15.93   | 15.91   | 16.3    |
|                                   |            | 1       | 25        | 15.73                | 15.68   | 15.78   | 16.3    |
|                                   |            | 1       | 49        | 15.95                | 15.87   | 15.89   | 16.3    |
|                                   |            | 25      | 0         | 15.64                | 15.64   | 15.53   | 16.3    |
|                                   |            | 25      | 13        | 15.67                | 15.62   | 15.6    | 16.3    |
|                                   |            | 25      | 25        | 15.62                | 15.65   | 15.64   | 16.3    |
|                                   |            | 50      | 0         | 15.63                | 15.59   | 15.54   | 16.3    |

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|           | 64QAM      | 1       | 0         | 15.12         | 15.08         | 14.98         | 16.3    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 25        | 14.52         | 14.73         | 14.6          | 16.3    |
|           |            | 1       | 49        | 15.04         | 15.22         | 15.25         | 16.3    |
|           |            | 25      | 0         | 14.74         | 14.76         | 14.85         | 16.3    |
|           |            | 25      | 13        | 14.74         | 14.79         | 14.88         | 16.3    |
|           |            | 25      | 25        | 14.62         | 14.8          | 14.92         | 16.3    |
|           |            | 50      | 0         | 14.7          | 14.73         | 14.88         | 16.3    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20825 | Channel 21100 | Channel 21375 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 15.62         | 15.63         | 15.55         | 16.3    |
|           |            | 1       | 38        | 15.7          | 15.71         | 15.68         | 16.3    |
|           |            | 1       | 74        | 15.62         | 15.74         | 15.68         | 16.3    |
|           |            | 36      | 0         | 15.73         | 15.7          | 15.66         | 16.3    |
|           |            | 36      | 18        | 15.7          | 15.74         | 15.67         | 16.3    |
|           |            | 36      | 39        | 15.77         | 15.78         | 15.77         | 16.3    |
|           |            | 75      | 0         | 15.7          | 15.7          | 15.65         | 16.3    |
|           | 16QAM      | 1       | 0         | 15.99         | 15.93         | 15.88         | 16.3    |
|           |            | 1       | 38        | 15.91         | 16.03         | 15.89         | 16.3    |
|           |            | 1       | 74        | 15.9          | 15.98         | 15.98         | 16.3    |
|           |            | 36      | 0         | 15.65         | 15.67         | 15.61         | 16.3    |
|           |            | 36      | 18        | 15.64         | 15.73         | 15.63         | 16.3    |
|           |            | 36      | 39        | 15.72         | 15.67         | 15.7          | 16.3    |
|           |            | 75      | 0         | 15.64         | 15.65         | 15.58         | 16.3    |
|           | 64QAM      | 1       | 0         | 15.12         | 15.08         | 14.98         | 16.3    |
|           |            | 1       | 38        | 14.52         | 14.73         | 14.6          | 16.3    |
|           |            | 1       | 74        | 15.04         | 15.22         | 15.25         | 16.3    |
|           |            | 36      | 0         | 14.74         | 14.76         | 14.85         | 16.3    |
|           |            | 36      | 18        | 14.74         | 14.79         | 14.88         | 16.3    |
|           |            | 36      | 39        | 14.62         | 14.8          | 14.92         | 16.3    |
|           |            | 75      | 0         | 14.7          | 14.73         | 14.88         | 16.3    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20850 | Channel 21100 | Channel 21350 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 15.69         | 15.67         | 15.71         | 16.3    |
|           |            | 1       | 50        | 15.49         | 15.51         | 15.36         | 16.3    |
|           |            | 1       | 99        | 15.8          | 15.89         | 15.87         | 16.3    |
|           |            | 50      | 0         | 15.67         | 15.71         | 15.65         | 16.3    |
|           |            | 50      | 25        | 15.65         | 15.72         | 15.7          | 16.3    |
|           |            | 50      | 50        | 15.74         | 15.79         | 15.77         | 16.3    |
|           |            | 100     | 0         | 15.68         | 15.69         | 15.64         | 16.3    |
|           | 16QAM      | 1       | 0         | 16.05         | 15.93         | 15.99         | 16.3    |
|           |            | 1       | 50        | 15.53         | 15.65         | 15.9          | 16.3    |
|           |            | 1       | 99        | 16.2          | 16.16         | 16.08         | 16.3    |
|           |            | 50      | 0         | 15.63         | 15.6          | 15.56         | 16.3    |
|           |            | 50      | 25        | 15.58         | 15.65         | 15.63         | 16.3    |
|           |            | 50      | 50        | 15.63         | 15.67         | 15.7          | 16.3    |
|           |            | 100     | 0         | 15.6          | 15.63         | 15.58         | 16.3    |
|           | 64QAM      | 1       | 0         | 15.12         | 15.08         | 14.98         | 16.3    |

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|  |  |     |    |       |       |       |      |
|--|--|-----|----|-------|-------|-------|------|
|  |  | 1   | 50 | 14.52 | 14.73 | 14.6  | 16.3 |
|  |  | 1   | 99 | 15.04 | 15.22 | 15.25 | 16.3 |
|  |  | 50  | 0  | 14.74 | 14.76 | 14.85 | 16.3 |
|  |  | 50  | 25 | 14.74 | 14.79 | 14.88 | 16.3 |
|  |  | 50  | 50 | 14.62 | 14.8  | 14.92 | 16.3 |
|  |  | 100 | 0  | 14.7  | 14.73 | 14.88 | 16.3 |

| LTE Band 7 Receiver on(Right head) |            |         |           | Conducted Power(dBm) |                  |                  |         |
|------------------------------------|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth                          | Modulation | RB size | RB offset | Channel<br>20775     | Channel<br>21100 | Channel<br>21425 | Tune up |
| 5MHz                               | QPSK       | 1       | 0         | 14.58                | 14.69            | 14.64            | 15.3    |
|                                    |            | 1       | 13        | 14.64                | 14.61            | 14.68            | 15.3    |
|                                    |            | 1       | 24        | 14.66                | 14.67            | 14.62            | 15.3    |
|                                    |            | 12      | 0         | 14.66                | 14.72            | 14.66            | 15.3    |
|                                    |            | 12      | 6         | 14.54                | 14.67            | 14.63            | 15.3    |
|                                    |            | 12      | 13        | 14.72                | 14.76            | 14.66            | 15.3    |
|                                    |            | 25      | 0         | 14.68                | 14.66            | 14.62            | 15.3    |
|                                    | 16QAM      | 1       | 0         | 14.86                | 14.99            | 14.84            | 15.3    |
|                                    |            | 1       | 13        | 14.95                | 14.99            | 14.99            | 15.3    |
|                                    |            | 1       | 24        | 14.89                | 14.97            | 14.93            | 15.3    |
|                                    |            | 12      | 0         | 14.67                | 14.74            | 14.66            | 15.3    |
|                                    |            | 12      | 6         | 14.61                | 14.68            | 14.67            | 15.3    |
|                                    |            | 12      | 13        | 14.69                | 14.65            | 14.65            | 15.3    |
|                                    |            | 25      | 0         | 14.57                | 14.65            | 14.61            | 15.3    |
|                                    | 64QAM      | 1       | 0         | 14.17                | 14.15            | 14.08            | 15.3    |
|                                    |            | 1       | 13        | 13.54                | 13.77            | 13.65            | 15.3    |
|                                    |            | 1       | 24        | 13.96                | 14.22            | 14.33            | 15.3    |
|                                    |            | 12      | 0         | 13.87                | 13.88            | 13.95            | 15.3    |
|                                    |            | 12      | 6         | 13.73                | 13.8             | 13.87            | 15.3    |
|                                    |            | 12      | 13        | 13.75                | 13.77            | 13.91            | 15.3    |
|                                    |            | 25      | 0         | 13.75                | 13.76            | 13.95            | 15.3    |
| Bandwidth                          | Modulation | RB size | RB offset | Channel<br>20800     | Channel<br>21100 | Channel<br>21400 | Tune up |
| 10MHz                              | QPSK       | 1       | 0         | 14.59                | 14.56            | 14.62            | 15.3    |
|                                    |            | 1       | 25        | 14.62                | 14.38            | 14.64            | 15.3    |
|                                    |            | 1       | 49        | 14.63                | 14.67            | 14.68            | 15.3    |
|                                    |            | 25      | 0         | 14.68                | 14.69            | 14.66            | 15.3    |
|                                    |            | 25      | 13        | 14.68                | 14.69            | 14.68            | 15.3    |
|                                    |            | 25      | 25        | 14.67                | 14.73            | 14.68            | 15.3    |
|                                    |            | 50      | 0         | 14.65                | 14.66            | 14.62            | 15.3    |
|                                    | 16QAM      | 1       | 0         | 14.8                 | 14.91            | 14.9             | 15.3    |
|                                    |            | 1       | 25        | 14.67                | 14.81            | 14.58            | 15.3    |
|                                    |            | 1       | 49        | 14.94                | 14.93            | 14.96            | 15.3    |
|                                    |            | 25      | 0         | 14.58                | 14.61            | 14.61            | 15.3    |
|                                    |            | 25      | 13        | 14.62                | 14.6             | 14.62            | 15.3    |

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|           | 64QAM      | 25      | 25        | 14.63   | 14.65   | 14.64   | 15.3    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 14.59   | 14.57   | 14.62   | 15.3    |
|           |            | 1       | 0         | 14.18   | 14.14   | 14.13   | 15.3    |
|           |            | 1       | 25        | 13.56   | 13.75   | 13.65   | 15.3    |
|           |            | 1       | 49        | 14      | 14.22   | 14.31   | 15.3    |
|           |            | 25      | 0         | 13.82   | 13.87   | 13.87   | 15.3    |
|           |            | 25      | 13        | 13.69   | 13.81   | 13.91   | 15.3    |
|           |            | 25      | 25        | 13.75   | 13.82   | 13.94   | 15.3    |
|           |            | 50      | 0         | 13.74   | 13.78   | 13.94   | 15.3    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 14.62   | 14.6    | 14.56   | 15.3    |
|           |            | 1       | 38        | 14.69   | 14.77   | 14.7    | 15.3    |
|           |            | 1       | 74        | 14.66   | 14.71   | 14.72   | 15.3    |
|           |            | 36      | 0         | 14.7    | 14.68   | 14.66   | 15.3    |
|           |            | 36      | 18        | 14.7    | 14.71   | 14.65   | 15.3    |
|           |            | 36      | 39        | 14.74   | 14.75   | 14.72   | 15.3    |
|           |            | 75      | 0         | 14.72   | 14.7    | 14.69   | 15.3    |
|           | 16QAM      | 1       | 0         | 14.88   | 14.92   | 14.96   | 15.3    |
|           |            | 1       | 38        | 14.95   | 15.03   | 14.88   | 15.3    |
|           |            | 1       | 74        | 14.92   | 15.06   | 14.95   | 15.3    |
|           |            | 36      | 0         | 14.64   | 14.65   | 14.6    | 15.3    |
|           |            | 36      | 18        | 14.68   | 14.66   | 14.64   | 15.3    |
|           |            | 36      | 39        | 14.7    | 14.73   | 14.67   | 15.3    |
|           |            | 75      | 0         | 14.6    | 14.62   | 14.64   | 15.3    |
|           | 64QAM      | 1       | 0         | 14.2    | 14.15   | 14.12   | 15.3    |
|           |            | 1       | 38        | 13.6    | 13.72   | 13.71   | 15.3    |
|           |            | 1       | 74        | 14.01   | 14.22   | 14.29   | 15.3    |
|           |            | 36      | 0         | 13.8    | 13.88   | 13.92   | 15.3    |
|           |            | 36      | 18        | 13.77   | 13.83   | 13.88   | 15.3    |
|           |            | 36      | 39        | 13.72   | 13.74   | 13.98   | 15.3    |
|           |            | 75      | 0         | 13.81   | 13.81   | 13.93   | 15.3    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 14.69   | 14.71   | 14.67   | 15.3    |
|           |            | 1       | 50        | 14.52   | 14.54   | 14.47   | 15.3    |
|           |            | 1       | 99        | 14.8    | 14.94   | 14.89   | 15.3    |
|           |            | 50      | 0         | 14.7    | 14.68   | 14.65   | 15.3    |
|           |            | 50      | 25        | 14.68   | 14.71   | 14.61   | 15.3    |
|           |            | 50      | 50        | 14.71   | 14.72   | 14.69   | 15.3    |
|           |            | 100     | 0         | 14.75   | 14.7    | 14.66   | 15.3    |
|           | 16QAM      | 1       | 0         | 14.9    | 14.93   | 15.05   | 15.3    |
|           |            | 1       | 50        | 14.7    | 14.7    | 14.55   | 15.3    |
|           |            | 1       | 99        | 15.06   | 15.11   | 15.17   | 15.3    |
|           |            | 50      | 0         | 14.61   | 14.64   | 14.58   | 15.3    |
|           |            | 50      | 25        | 14.64   | 14.62   | 14.56   | 15.3    |
|           |            | 50      | 50        | 14.65   | 14.66   | 14.63   | 15.3    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  | 64QAM | 100 | 0  | 14.68 | 14.67 | 14.6  | 15.3 |
|  |       | 1   | 0  | 14.18 | 14.12 | 14.07 | 15.3 |
|  |       | 1   | 50 | 13.59 | 13.75 | 13.68 | 15.3 |
|  |       | 1   | 99 | 14.05 | 14.25 | 14.31 | 15.3 |
|  |       | 50  | 0  | 13.8  | 13.79 | 13.88 | 15.3 |
|  |       | 50  | 25 | 13.75 | 13.82 | 13.89 | 15.3 |
|  |       | 50  | 50 | 13.69 | 13.82 | 13.99 | 15.3 |
|  |       | 100 | 0  | 13.79 | 13.75 | 13.89 | 15.3 |

| LTE Band 7 Receiver off (body or limbs) |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel 20775        | Channel 21100 | Channel 21425 | Tune up |
| 5MHz                                    | QPSK       | 1       | 0         | 18.18                | 18.11         | 17.9          | 19.3    |
|   |            | 1       | 13        | 18.11                | 18.21         | 17.99         | 19.3    |
|   |            | 1       | 24        | 18.06                | 18.3          | 17.95         | 19.3    |
|   |            | 12      | 0         | 18.21                | 18.18         | 18.04         | 19.3    |
|   |            | 12      | 6         | 18.17                | 18.16         | 18.04         | 19.3    |
|   |            | 12      | 13        | 18.23                | 18.19         | 18.14         | 19.3    |
|   |            | 25      | 0         | 18.18                | 18.17         | 18.12         | 19.3    |
|   | 16QAM      | 1       | 0         | 18.51                | 18.18         | 18.15         | 19.3    |
|   |            | 1       | 13        | 18.19                | 18.5          | 18.27         | 19.3    |
|   |            | 1       | 24        | 18.4                 | 18.48         | 18.22         | 19.3    |
|   |            | 12      | 0         | 18.23                | 18.16         | 18.05         | 19.3    |
|   |            | 12      | 6         | 18.12                | 18.15         | 18.05         | 19.3    |
|   |            | 12      | 13        | 18.13                | 18.17         | 18.02         | 19.3    |
|   |            | 25      | 0         | 18.13                | 18.1          | 17.93         | 19.3    |
|   | 64QAM      | 1       | 0         | 18.24                | 18.1          | 18.11         | 19.3    |
|   |            | 1       | 13        | 17.57                | 17.78         | 17.71         | 19.3    |
|   |            | 1       | 24        | 18                   | 18.25         | 18.29         | 19.3    |
|   |            | 12      | 0         | 17.84                | 17.87         | 17.9          | 19.3    |
|   |            | 12      | 6         | 17.75                | 17.82         | 17.89         | 19.3    |
|   |            | 12      | 13        | 17.75                | 17.78         | 17.94         | 19.3    |
|   |            | 25      | 0         | 17.79                | 17.83         | 17.91         | 19.3    |
| Bandwidth                               | Modulation | RB size | RB offset | Channel 20800        | Channel 21100 | Channel 21400 | Tune up |
| 10MHz                                   | QPSK       | 1       | 0         | 18.03                | 18.17         | 17.9          | 19.3    |
|   |            | 1       | 25        | 18.31                | 18.25         | 17.97         | 19.3    |
|   |            | 1       | 49        | 18.2                 | 18.13         | 18.07         | 19.3    |
|   |            | 25      | 0         | 18.24                | 18.13         | 18.04         | 19.3    |
|   |            | 25      | 13        | 18.2                 | 18.21         | 18.09         | 19.3    |
|   |            | 25      | 25        | 18.13                | 18.19         | 18            | 19.3    |
|   |            | 50      | 0         | 18.15                | 18.18         | 17.94         | 19.3    |
|   | 16QAM      | 1       | 0         | 18.47                | 18.3          | 18.35         | 19.3    |
|   |            | 1       | 25        | 18.46                | 17.74         | 17.31         | 19.3    |
|   |            | 1       | 49        | 18.56                | 18.29         | 18.27         | 19.3    |

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|           |            | 25      | 0         | 18.22            | 18.13            | 17.98            | 19.3    |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 25      | 13        | 18.22            | 18.14            | 18.1             | 19.3    |
|           |            | 25      | 25        | 18.09            | 18.2             | 18.12            | 19.3    |
|           |            | 50      | 0         | 18.06            | 18.15            | 17.97            | 19.3    |
|           | 64QAM      | 1       | 0         | 18.22            | 18.13            | 18.14            | 19.3    |
|           |            | 1       | 25        | 17.6             | 17.78            | 17.73            | 19.3    |
|           |            | 1       | 49        | 18.05            | 18.27            | 18.33            | 19.3    |
|           |            | 25      | 0         | 17.89            | 17.85            | 17.94            | 19.3    |
|           |            | 25      | 13        | 17.76            | 17.78            | 17.93            | 19.3    |
|           |            | 25      | 25        | 17.75            | 17.77            | 17.96            | 19.3    |
|           |            | 50      | 0         | 17.78            | 17.79            | 17.91            | 19.3    |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20825 | Channel<br>21100 | Channel<br>21375 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 18.05            | 18.03            | 18.01            | 19.3    |
|           |            | 1       | 38        | 18.28            | 18.27            | 18.11            | 19.3    |
|           |            | 1       | 74        | 18.25            | 17.96            | 18.02            | 19.3    |
|           |            | 36      | 0         | 18.28            | 18.23            | 18.08            | 19.3    |
|           |            | 36      | 18        | 18.23            | 18.12            | 18.07            | 19.3    |
|           |            | 36      | 39        | 18.22            | 18.14            | 18.06            | 19.3    |
|           |            | 75      | 0         | 18.22            | 18.22            | 18.03            | 19.3    |
|           | 16QAM      | 1       | 0         | 18.42            | 18.45            | 18.49            | 19.3    |
|           |            | 1       | 38        | 18.35            | 18.46            | 18.43            | 19.3    |
|           |            | 1       | 74        | 17.77            | 18.41            | 18.37            | 19.3    |
|           |            | 36      | 0         | 18.14            | 18.06            | 18.1             | 19.3    |
|           |            | 36      | 18        | 18.1             | 18.22            | 17.96            | 19.3    |
|           |            | 36      | 39        | 18.16            | 18.06            | 17.99            | 19.3    |
|           |            | 75      | 0         | 18.12            | 18.19            | 18.01            | 19.3    |
|           | 64QAM      | 1       | 0         | 18.22            | 18.14            | 18.11            | 19.3    |
|           |            | 1       | 38        | 17.57            | 17.78            | 17.73            | 19.3    |
|           |            | 1       | 74        | 18.03            | 18.25            | 18.28            | 19.3    |
|           |            | 36      | 0         | 17.86            | 17.87            | 17.95            | 19.3    |
|           |            | 36      | 18        | 17.75            | 17.8             | 17.9             | 19.3    |
|           |            | 36      | 39        | 17.73            | 17.79            | 17.95            | 19.3    |
|           |            | 75      | 0         | 17.79            | 17.79            | 17.93            | 19.3    |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20850 | Channel<br>21100 | Channel<br>21350 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 18.23            | 18.27            | 18.14            | 19.3    |
|           |            | 1       | 50        | 17.91            | 18.27            | 17.47            | 19.3    |
|           |            | 1       | 99        | 18.28            | 18.19            | 18.07            | 19.3    |
|           |            | 50      | 0         | 18.22            | 18.16            | 18.13            | 19.3    |
|           |            | 50      | 25        | 18.18            | 18.15            | 18.14            | 19.3    |
|           |            | 50      | 50        | 18.19            | 18.15            | 18.12            | 19.3    |
|           |            | 100     | 0         | 18.2             | 18.12            | 18.04            | 19.3    |
|           | 16QAM      | 1       | 0         | 18.68            | 18.62            | 18.5             | 19.3    |
|           |            | 1       | 50        | 18.29            | 18.1             | 17.86            | 19.3    |
|           |            | 1       | 99        | 18.24            | 18.3             | 18.41            | 19.3    |
|           |            | 50      | 0         | 18.12            | 18.13            | 18.04            | 19.3    |
|           |            |         |           |                  |                  |                  |         |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 50  | 25 | 18.16 | 18.17 | 17.96 | 19.3 |
|  |       | 50  | 50 | 18.08 | 18.11 | 18.1  | 19.3 |
|  |       | 100 | 0  | 18.15 | 18.06 | 17.96 | 19.3 |
|  | 64QAM | 1   | 0  | 18.26 | 18.16 | 18.14 | 19.3 |
|  |       | 1   | 50 | 17.61 | 17.82 | 17.73 | 19.3 |
|  |       | 1   | 99 | 18.05 | 18.29 | 18.34 | 19.3 |
|  |       | 50  | 0  | 17.89 | 17.89 | 17.95 | 19.3 |
|  |       | 50  | 25 | 17.79 | 17.84 | 17.93 | 19.3 |
|  |       | 50  | 50 | 17.77 | 17.82 | 18    | 19.3 |
|  |       | 100 | 0  | 17.82 | 17.84 | 17.96 | 19.3 |

| LTE Band 7 Receiver off (body or limbs) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz   | QPSK       | 1       | 0         | 15.1                 | 15.02   | 15.05   | 16.3    |
|  |            | 1       | 13        | 14.99                | 15.16   | 14.99   | 16.3    |
|  |            | 1       | 24        | 15.26                | 15.25   | 15      | 16.3    |
|  |            | 12      | 0         | 15.18                | 15.16   | 15.08   | 16.3    |
|  |            | 12      | 6         | 15.18                | 15.01   | 15.02   | 16.3    |
|  |            | 12      | 13        | 15.23                | 15.08   | 15.08   | 16.3    |
|  |            | 25      | 0         | 15.07                | 15.16   | 15.06   | 16.3    |
|  | 16QAM      | 1       | 0         | 15.23                | 15.13   | 15.41   | 16.3    |
|  |            | 1       | 13        | 15.4                 | 15.31   | 15.41   | 16.3    |
|  |            | 1       | 24        | 15.4                 | 15.39   | 15.06   | 16.3    |
|  |            | 12      | 0         | 15.25                | 15.21   | 15      | 16.3    |
|  |            | 12      | 6         | 15.12                | 15.14   | 15.03   | 16.3    |
|  |            | 12      | 13        | 15.2                 | 15.12   | 14.96   | 16.3    |
|  |            | 25      | 0         | 15.13                | 15.18   | 14.94   | 16.3    |
|  | 64QAM      | 1       | 0         | 15.17                | 15.16   | 15.1    | 16.3    |
|  |            | 1       | 13        | 14.6                 | 14.78   | 14.66   | 16.3    |
|  |            | 1       | 24        | 14.97                | 15.22   | 15.25   | 16.3    |
|  |            | 12      | 0         | 14.85                | 14.88   | 14.91   | 16.3    |
|  |            | 12      | 6         | 14.78                | 14.81   | 14.86   | 16.3    |
|  |            | 12      | 13        | 14.75                | 14.73   | 14.92   | 16.3    |
|  |            | 25      | 0         | 14.73                | 14.84   | 14.93   | 16.3    |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz  | QPSK       | 1       | 0         | 15.11                | 15.01   | 15.02   | 16.3    |
|  |            | 1       | 25        | 14.99                | 15.01   | 14.4    | 16.3    |
|  |            | 1       | 49        | 15.11                | 15.01   | 14.89   | 16.3    |
|  |            | 25      | 0         | 15.1                 | 15.1    | 15.02   | 16.3    |
|  |            | 25      | 13        | 15.23                | 15.14   | 15.05   | 16.3    |
|  |            | 25      | 25        | 15.2                 | 15.13   | 14.97   | 16.3    |
|  |            | 50      | 0         | 15.05                | 15.13   | 15.05   | 16.3    |
|  | 16QAM      | 1       | 0         | 15.46                | 14.96   | 15.34   | 16.3    |

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|           |            | 1       | 25        | 14.51   | 14.19   | 14.72   | 16.3    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 49        | 15.45   | 15.44   | 15.13   | 16.3    |
|           |            | 25      | 0         | 15.07   | 14.99   | 15.1    | 16.3    |
|           |            | 25      | 13        | 15.12   | 15.09   | 14.87   | 16.3    |
|           |            | 25      | 25        | 15      | 15.11   | 14.87   | 16.3    |
|           |            | 50      | 0         | 14.99   | 15.1    | 14.9    | 16.3    |
|           | 64QAM      | 1       | 0         | 15.26   | 15.13   | 15.08   | 16.3    |
|           |            | 1       | 25        | 14.6    | 14.8    | 14.67   | 16.3    |
|           |            | 1       | 49        | 14.97   | 15.21   | 15.24   | 16.3    |
|           |            | 25      | 0         | 14.88   | 14.79   | 14.87   | 16.3    |
|           |            | 25      | 13        | 14.75   | 14.76   | 14.85   | 16.3    |
|           |            | 25      | 25        | 14.71   | 14.77   | 14.94   | 16.3    |
|           |            | 50      | 0         | 14.8    | 14.76   | 14.95   | 16.3    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.07   | 15.05   | 14.94   | 16.3    |
|           |            | 1       | 38        | 15.14   | 15.18   | 15.06   | 16.3    |
|           |            | 1       | 74        | 15.21   | 15.21   | 15.05   | 16.3    |
|           |            | 36      | 0         | 15.13   | 15.14   | 15.08   | 16.3    |
|           |            | 36      | 18        | 15.22   | 15.16   | 15.04   | 16.3    |
|           |            | 36      | 39        | 15.16   | 15.13   | 15.05   | 16.3    |
|           |            | 75      | 0         | 15.11   | 15.06   | 15.04   | 16.3    |
|           | 16QAM      | 1       | 0         | 15.02   | 15.24   | 15.34   | 16.3    |
|           |            | 1       | 38        | 15.49   | 15.67   | 15.4    | 16.3    |
|           |            | 1       | 74        | 15.39   | 15.62   | 15.21   | 16.3    |
|           |            | 36      | 0         | 15.16   | 15.11   | 14.98   | 16.3    |
|           |            | 36      | 18        | 15.15   | 15.16   | 14.98   | 16.3    |
|           |            | 36      | 39        | 15.2    | 15.09   | 15.11   | 16.3    |
|           |            | 75      | 0         | 15.18   | 15.14   | 14.94   | 16.3    |
|           | 64QAM      | 1       | 0         | 15.17   | 15.11   | 15.14   | 16.3    |
|           |            | 1       | 38        | 14.56   | 14.75   | 14.71   | 16.3    |
|           |            | 1       | 74        | 15.03   | 15.19   | 15.25   | 16.3    |
|           |            | 36      | 0         | 14.81   | 14.87   | 14.88   | 16.3    |
|           |            | 36      | 18        | 14.76   | 14.82   | 14.84   | 16.3    |
|           |            | 36      | 39        | 14.69   | 14.8    | 14.92   | 16.3    |
|           |            | 75      | 0         | 14.77   | 14.75   | 14.87   | 16.3    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 15.3    | 15.2    | 15.21   | 16.3    |
|           |            | 1       | 50        | 15.08   | 15.09   | 14.96   | 16.3    |
|           |            | 1       | 99        | 15.19   | 15.13   | 15.08   | 16.3    |
|           |            | 50      | 0         | 15.28   | 15.12   | 15.01   | 16.3    |
|           |            | 50      | 25        | 15.11   | 15.25   | 14.99   | 16.3    |
|           |            | 50      | 50        | 15.19   | 15.16   | 15.12   | 16.3    |
|           |            | 100     | 0         | 15.17   | 15.14   | 15.04   | 16.3    |
|           | 16QAM      | 1       | 0         | 15.55   | 15.12   | 15.44   | 16.3    |
|           |            | 1       | 50        | 15.39   | 14.22   | 15.27   | 16.3    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 1   | 99 | 15.63 | 15.4  | 15.24 | 16.3 |
|  |       | 50  | 0  | 15.22 | 15.06 | 14.9  | 16.3 |
|  |       | 50  | 25 | 15.14 | 15.17 | 14.91 | 16.3 |
|  |       | 50  | 50 | 15.01 | 15.04 | 14.95 | 16.3 |
|  |       | 100 | 0  | 15.09 | 15.11 | 14.99 | 16.3 |
|  | 64QAM | 1   | 0  | 15.19 | 15.09 | 15.05 | 16.3 |
|  |       | 1   | 50 | 14.58 | 14.76 | 14.66 | 16.3 |
|  |       | 1   | 99 | 15.03 | 15.23 | 15.25 | 16.3 |
|  |       | 50  | 0  | 14.89 | 14.79 | 14.87 | 16.3 |
|  |       | 50  | 25 | 14.76 | 14.75 | 14.92 | 16.3 |
|  |       | 50  | 50 | 14.75 | 14.77 | 14.99 | 16.3 |
|  |       | 100 | 0  | 14.73 | 14.77 | 14.89 | 16.3 |

| LTE Band 7 Receiver off (body or limbs) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz   | QPSK       | 1       | 0         | 13.13                | 13.23   | 13.07   | 14.3    |
|  |            | 1       | 13        | 13.27                | 13.26   | 12.68   | 14.3    |
|  |            | 1       | 24        | 13.01                | 12.96   | 12.78   | 14.3    |
|  |            | 12      | 0         | 13.18                | 13.19   | 13.07   | 14.3    |
|  |            | 12      | 6         | 13.22                | 13.1    | 12.94   | 14.3    |
|  |            | 12      | 13        | 13.2                 | 13.13   | 13.03   | 14.3    |
|  |            | 25      | 0         | 13.12                | 13.14   | 13.11   | 14.3    |
|  | 16QAM      | 1       | 0         | 13.57                | 13.65   | 13.29   | 14.3    |
|  |            | 1       | 13        | 13.65                | 13.67   | 13.68   | 14.3    |
|  |            | 1       | 24        | 13.48                | 13.4    | 13.39   | 14.3    |
|  |            | 12      | 0         | 13.27                | 13.07   | 13.13   | 14.3    |
|  |            | 12      | 6         | 13.12                | 13.18   | 13.07   | 14.3    |
|  |            | 12      | 13        | 13.18                | 13.22   | 13.02   | 14.3    |
|  |            | 25      | 0         | 13.18                | 13.15   | 13.07   | 14.3    |
|  | 64QAM      | 1       | 0         | 13.18                | 13.02   | 13.02   | 14.3    |
|  |            | 1       | 13        | 12.51                | 12.68   | 12.61   | 14.3    |
|  |            | 1       | 24        | 13                   | 13.21   | 13.24   | 14.3    |
|  |            | 12      | 0         | 12.82                | 12.76   | 12.85   | 14.3    |
|  |            | 12      | 6         | 12.72                | 12.67   | 12.89   | 14.3    |
|  |            | 12      | 13        | 12.69                | 12.76   | 12.91   | 14.3    |
|  |            | 25      | 0         | 12.65                | 12.76   | 12.86   | 14.3    |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 10MHz  | QPSK       | 1       | 0         | 13.17                | 13.06   | 13.24   | 14.3    |
|  |            | 1       | 25        | 12.45                | 12.38   | 12.18   | 14.3    |
|  |            | 1       | 49        | 12.95                | 13.19   | 13.11   | 14.3    |
|  |            | 25      | 0         | 13.23                | 13.23   | 12.95   | 14.3    |
|  |            | 25      | 13        | 13.25                | 13.08   | 13.1    | 14.3    |
|  |            | 25      | 25        | 13.2                 | 13.13   | 13.16   | 14.3    |

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|           | 16QAM      | 50      | 0         | 13.15         | 13.11         | 13.09         | 14.3    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 13.39         | 12.99         | 13.04         | 14.3    |
|           |            | 1       | 25        | 12.73         | 12.71         | 11.84         | 14.3    |
|           |            | 1       | 49        | 13.81         | 13.65         | 13.52         | 14.3    |
|           |            | 25      | 0         | 13.08         | 13.22         | 12.99         | 14.3    |
|           |            | 25      | 13        | 13.09         | 13.14         | 13.05         | 14.3    |
|           |            | 25      | 25        | 13.08         | 13.19         | 12.98         | 14.3    |
|           |            | 50      | 0         | 13.11         | 13.24         | 12.89         | 14.3    |
|           | 64QAM      | 1       | 0         | 13.19         | 13.05         | 13.01         | 14.3    |
|           |            | 1       | 25        | 12.48         | 12.67         | 12.57         | 14.3    |
|           |            | 1       | 49        | 13.01         | 13.15         | 13.2          | 14.3    |
|           |            | 25      | 0         | 12.82         | 12.72         | 12.85         | 14.3    |
|           |            | 25      | 13        | 12.75         | 12.73         | 12.91         | 14.3    |
|           |            | 25      | 25        | 12.69         | 12.69         | 12.92         | 14.3    |
|           |            | 50      | 0         | 12.69         | 12.71         | 12.81         | 14.3    |
|           |            |         |           |               |               |               |         |
| Bandwidth | Modulation | RB size | RB offset | Channel 20825 | Channel 21100 | Channel 21375 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 13.14         | 12.96         | 12.93         | 14.3    |
|           |            | 1       | 38        | 13.08         | 13.05         | 12.95         | 14.3    |
|           |            | 1       | 74        | 13.36         | 12.98         | 12.91         | 14.3    |
|           |            | 36      | 0         | 13.14         | 13.25         | 13            | 14.3    |
|           |            | 36      | 18        | 13.13         | 13.17         | 12.97         | 14.3    |
|           |            | 36      | 39        | 13.29         | 13.22         | 13.14         | 14.3    |
|           |            | 75      | 0         | 13.14         | 13.24         | 13.09         | 14.3    |
|           |            |         |           |               |               |               |         |
|           | 16QAM      | 1       | 0         | 13.52         | 13.32         | 13.09         | 14.3    |
|           |            | 1       | 38        | 13.39         | 13.33         | 12.98         | 14.3    |
|           |            | 1       | 74        | 13.41         | 13.37         | 12.88         | 14.3    |
|           |            | 36      | 0         | 13.1          | 13.05         | 13.01         | 14.3    |
|           |            | 36      | 18        | 13.19         | 13.04         | 13.06         | 14.3    |
|           |            | 36      | 39        | 13.08         | 13.1          | 13.09         | 14.3    |
|           |            | 75      | 0         | 13.17         | 13.15         | 13.02         | 14.3    |
|           |            |         |           |               |               |               |         |
|           | 64QAM      | 1       | 0         | 13.11         | 13.07         | 12.99         | 14.3    |
|           |            | 1       | 38        | 12.53         | 12.67         | 12.57         | 14.3    |
|           |            | 1       | 74        | 12.99         | 13.13         | 13.16         | 14.3    |
|           |            | 36      | 0         | 12.81         | 12.76         | 12.85         | 14.3    |
|           |            | 36      | 18        | 12.76         | 12.75         | 12.85         | 14.3    |
|           |            | 36      | 39        | 12.71         | 12.67         | 12.94         | 14.3    |
|           |            | 75      | 0         | 12.65         | 12.76         | 12.85         | 14.3    |
|           |            |         |           |               |               |               |         |
| Bandwidth | Modulation | RB size | RB offset | Channel 20850 | Channel 21100 | Channel 21350 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 13.23         | 13.31         | 13.04         | 14.3    |
|           |            | 1       | 50        | 12.58         | 12.92         | 13.21         | 14.3    |
|           |            | 1       | 99        | 13.17         | 13.28         | 13.17         | 14.3    |
|           |            | 50      | 0         | 13.12         | 13.1          | 12.96         | 14.3    |
|           |            | 50      | 25        | 13.17         | 13.1          | 13.07         | 14.3    |
|           |            | 50      | 50        | 13.16         | 13.19         | 13.03         | 14.3    |
|           |            |         |           |               |               |               |         |
|           |            | 100     | 0         | 13.16         | 13.22         | 13.06         | 14.3    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  | 16QAM | 1   | 0  | 13.36 | 13.06 | 13.39 | 14.3 |
|  |       | 1   | 50 | 13.67 | 13.2  | 13.45 | 14.3 |
|  |       | 1   | 99 | 13.05 | 13.44 | 13.43 | 14.3 |
|  |       | 50  | 0  | 13.14 | 13.14 | 12.96 | 14.3 |
|  |       | 50  | 25 | 13.04 | 13.05 | 12.97 | 14.3 |
|  |       | 50  | 50 | 13.16 | 13.15 | 12.93 | 14.3 |
|  |       | 100 | 0  | 13.14 | 13.25 | 12.95 | 14.3 |
|  | 64QAM | 1   | 0  | 13.16 | 13.08 | 13.03 | 14.3 |
|  |       | 1   | 50 | 12.5  | 12.74 | 12.59 | 14.3 |
|  |       | 1   | 99 | 12.98 | 13.18 | 13.22 | 14.3 |
|  |       | 50  | 0  | 12.87 | 12.73 | 12.82 | 14.3 |
|  |       | 50  | 25 | 12.73 | 12.7  | 12.84 | 14.3 |
|  |       | 50  | 50 | 12.69 | 12.7  | 12.97 | 14.3 |
|  |       | 100 | 0  | 12.69 | 12.7  | 12.87 | 14.3 |

| LTE Band 7 Receiver on(Left head) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz   | QPSK       | 1       | 0         | 12.37                | 12.39   | 12.3    | 13.8    |
|  |            | 1       | 13        | 12.5                 | 12.2    | 12.11   | 13.8    |
|  |            | 1       | 24        | 12                   | 12.22   | 11.95   | 13.8    |
|  |            | 12      | 0         | 12.37                | 12.28   | 12.21   | 13.8    |
|  |            | 12      | 6         | 12.25                | 12.42   | 12.09   | 13.8    |
|  |            | 12      | 13        | 12.39                | 12.36   | 12.17   | 13.8    |
|  |            | 25      | 0         | 12.35                | 12.37   | 12.18   | 13.8    |
|  | 16QAM      | 1       | 0         | 12.86                | 12.84   | 12.1    | 13.8    |
|  |            | 1       | 13        | 12.78                | 12.27   | 12.99   | 13.8    |
|  |            | 1       | 24        | 12.99                | 12.46   | 12.7    | 13.8    |
|  |            | 12      | 0         | 12.32                | 12.36   | 12.17   | 13.8    |
|  |            | 12      | 6         | 12.2                 | 12.34   | 11.82   | 13.8    |
|  |            | 12      | 13        | 12.52                | 12.33   | 12.13   | 13.8    |
|  |            | 25      | 0         | 12.4                 | 12.19   | 12.02   | 13.8    |
|  | 64QAM      | 1       | 0         | 12.39                | 12.31   | 12.28   | 13.8    |
|  |            | 1       | 13        | 11.77                | 11.96   | 11.84   | 13.8    |
|  |            | 1       | 24        | 12.21                | 12.39   | 12.43   | 13.8    |
|  |            | 12      | 0         | 12.09                | 11.97   | 12.03   | 13.8    |
|  |            | 12      | 6         | 11.96                | 11.97   | 12.06   | 13.8    |
|  |            | 12      | 13        | 11.92                | 11.99   | 12.17   | 13.8    |
|  |            | 25      | 0         | 11.96                | 11.99   | 12.11   | 13.8    |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 10MHz  | QPSK       | 1       | 0         | 12.43                | 12.2    | 12.11   | 13.8    |
|  |            | 1       | 25        | 11.73                | 11.62   | 12.03   | 13.8    |
|  |            | 1       | 49        | 12.38                | 12.42   | 12.24   | 13.8    |
|  |            | 25      | 0         | 12.31                | 12.38   | 12.11   | 13.8    |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 25             | 13               | 12.22          | 12.35          | 12.12          | 13.8           |
|                  |                   | 25             | 25               | 12.42          | 12.29          | 12.23          | 13.8           |
|                  |                   | 50             | 0                | 12.34          | 12.4           | 12.12          | 13.8           |
|                  | 16QAM             | 1              | 0                | 12.17          | 11.99          | 12.71          | 13.8           |
|                  |                   | 1              | 25               | 11.23          | 11.68          | 12.04          | 13.8           |
|                  |                   | 1              | 49               | 12.96          | 12.28          | 12.4           | 13.8           |
|                  |                   | 25             | 0                | 12.11          | 12.05          | 12.16          | 13.8           |
|                  |                   | 25             | 13               | 12.35          | 12.2           | 12.16          | 13.8           |
|                  |                   | 25             | 25               | 12.13          | 12.16          | 12.11          | 13.8           |
|                  |                   | 50             | 0                | 12.32          | 12.04          | 12.14          | 13.8           |
|                  |                   | 1              | 0                | 12.43          | 12.27          | 12.3           | 13.8           |
|                  | 64QAM             | 1              | 25               | 11.79          | 11.94          | 11.79          | 13.8           |
|                  |                   | 1              | 49               | 12.23          | 12.46          | 12.49          | 13.8           |
|                  |                   | 25             | 0                | 12.12          | 11.96          | 12.03          | 13.8           |
|                  |                   | 25             | 13               | 11.96          | 11.98          | 12.05          | 13.8           |
|                  |                   | 25             | 25               | 11.91          | 11.94          | 12.18          | 13.8           |
|                  |                   | 50             | 0                | 11.97          | 11.93          | 12.14          | 13.8           |
|                  |                   |                |                  |                |                |                |                |
|                  |                   |                |                  |                |                |                |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 20825          | 21100          | 21375          |                |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 12.35          | 12.3           | 11.83          | 13.8           |
|                  |                   | 1              | 38               | 12.05          | 12.36          | 12.27          | 13.8           |
|                  |                   | 1              | 74               | 12.42          | 12.27          | 12.24          | 13.8           |
|                  |                   | 36             | 0                | 12.32          | 12.23          | 12.24          | 13.8           |
|                  |                   | 36             | 18               | 12.4           | 12.32          | 12.14          | 13.8           |
|                  |                   | 36             | 39               | 12.31          | 12.24          | 12.18          | 13.8           |
|                  |                   | 75             | 0                | 12.34          | 12.34          | 12.14          | 13.8           |
|                  |                   |                |                  |                |                |                |                |
|                  | 16QAM             | 1              | 0                | 12.66          | 12.54          | 12.66          | 13.8           |
|                  |                   | 1              | 38               | 12.8           | 12.47          | 12.64          | 13.8           |
|                  |                   | 1              | 74               | 12.66          | 12.25          | 12.6           | 13.8           |
|                  |                   | 36             | 0                | 12.32          | 12.42          | 12.04          | 13.8           |
|                  |                   | 36             | 18               | 12.3           | 12.28          | 12.05          | 13.8           |
|                  |                   | 36             | 39               | 12.16          | 12.25          | 12.06          | 13.8           |
|                  |                   | 75             | 0                | 12.16          | 12.35          | 12.11          | 13.8           |
|                  |                   |                |                  |                |                |                |                |
|                  | 64QAM             | 1              | 0                | 12.42          | 12.31          | 12.23          | 13.8           |
|                  |                   | 1              | 38               | 11.77          | 11.93          | 11.88          | 13.8           |
|                  |                   | 1              | 74               | 12.24          | 12.43          | 12.42          | 13.8           |
|                  |                   | 36             | 0                | 12.15          | 11.97          | 12.08          | 13.8           |
|                  |                   | 36             | 18               | 11.93          | 11.94          | 12.06          | 13.8           |
|                  |                   | 36             | 39               | 11.95          | 11.91          | 12.26          | 13.8           |
|                  |                   | 75             | 0                | 11.94          | 11.92          | 12.12          | 13.8           |
|                  |                   |                |                  |                |                |                |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 20850          | 21100          | 21350          |                |
| <b>20MHz</b>     | QPSK              | 1              | 0                | 12.33          | 12.5           | 12.2           | 13.8           |
|                  |                   | 1              | 50               | 12.61          | 11.7           | 12.65          | 13.8           |
|                  |                   | 1              | 99               | 12.35          | 12.42          | 12.23          | 13.8           |
|                  |                   | 50             | 0                | 12.31          | 12.35          | 12.08          | 13.8           |
|                  |                   | 50             | 25               | 12.3           | 12.28          | 12.12          | 13.8           |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 50  | 50 | 12.3  | 12.39 | 12.19 | 13.8 |
|  |       | 100 | 0  | 12.28 | 12.29 | 12.21 | 13.8 |
|  | 16QAM | 1   | 0  | 12.72 | 12.31 | 12.14 | 13.8 |
|  |       | 1   | 50 | 12.29 | 12.63 | 11.89 | 13.8 |
|  |       | 1   | 99 | 12.41 | 12.24 | 13.13 | 13.8 |
|  |       | 50  | 0  | 12.1  | 12.24 | 12.12 | 13.8 |
|  |       | 50  | 25 | 12.33 | 12.23 | 12.12 | 13.8 |
|  |       | 50  | 50 | 12.33 | 12.07 | 12.04 | 13.8 |
|  |       | 100 | 0  | 12.28 | 12.2  | 12.03 | 13.8 |
|  | 64QAM | 1   | 0  | 12.4  | 12.34 | 12.3  | 13.8 |
|  |       | 1   | 50 | 11.7  | 11.96 | 11.79 | 13.8 |
|  |       | 1   | 99 | 12.27 | 12.37 | 12.5  | 13.8 |
|  |       | 50  | 0  | 12.16 | 11.95 | 12.1  | 13.8 |
|  |       | 50  | 25 | 11.94 | 11.98 | 12.08 | 13.8 |
|  |       | 50  | 50 | 11.95 | 12    | 12.17 | 13.8 |
|  |       | 100 | 0  | 11.89 | 11.95 | 12.16 | 13.8 |

| LTE Band 7 Receiver on(Right head) + hotspot<br>2.4G |            |         |           | Conducted Power(dBm) |                  |                  |         |
|--|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel<br>20775     | Channel<br>21100 | Channel<br>21425 | Tune up |
| 5MHz   | QPSK       | 1       | 0         | 11.05                | 11.24            | 11.13            | 12.8    |
|  |            | 1       | 13        | 11.39                | 11.31            | 11.2             | 12.8    |
|  |            | 1       | 24        | 11.52                | 11.18            | 11.01            | 12.8    |
|  |            | 12      | 0         | 11.45                | 11.33            | 11.18            | 12.8    |
|  |            | 12      | 6         | 11.41                | 10.65            | 11.2             | 12.8    |
|  |            | 12      | 13        | 11.37                | 11.3             | 11.17            | 12.8    |
|  |            | 25      | 0         | 11.21                | 11.26            | 11.12            | 12.8    |
|  | 16QAM      | 1       | 0         | 11.59                | 11.56            | 11.3             | 12.8    |
|  |            | 1       | 13        | 11.51                | 11.55            | 11.29            | 12.8    |
|  |            | 1       | 24        | 11.89                | 11.94            | 11.28            | 12.8    |
|  |            | 12      | 0         | 11.32                | 11.16            | 11.19            | 12.8    |
|  |            | 12      | 6         | 11.42                | 11.18            | 10.91            | 12.8    |
|  |            | 12      | 13        | 11.41                | 11.29            | 11.13            | 12.8    |
|  |            | 25      | 0         | 11.22                | 11.12            | 11.21            | 12.8    |
|  | 64QAM      | 1       | 0         | 11.36                | 11.21            | 11.25            | 12.8    |
|  |            | 1       | 13        | 10.69                | 10.94            | 10.76            | 12.8    |
|  |            | 1       | 24        | 11.12                | 11.38            | 11.41            | 12.8    |
|  |            | 12      | 0         | 11.04                | 10.94            | 11               | 12.8    |
|  |            | 12      | 6         | 10.95                | 10.95            | 10.99            | 12.8    |
|  |            | 12      | 13        | 10.9                 | 10.94            | 11.14            | 12.8    |
|  |            | 25      | 0         | 10.92                | 10.94            | 11.06            | 12.8    |
| Bandwidth  | Modulation | RB size | RB offset | Channel<br>20800     | Channel<br>21100 | Channel<br>21400 | Tune up |
| 10MHz  | QPSK       | 1       | 0         | 11.46                | 11.38            | 10.96            | 12.8    |
|  |            | 1       | 25        | 11.59                | 11.14            | 11.16            | 12.8    |

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|           |            | 1       | 49        | 11.26   | 11.45   | 11.18   | 12.8    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 11.31   | 11.34   | 11.18   | 12.8    |
|           |            | 25      | 13        | 11.32   | 11.26   | 11.1    | 12.8    |
|           |            | 25      | 25        | 11.25   | 11.29   | 11.05   | 12.8    |
|           |            | 50      | 0         | 11.27   | 11.31   | 11.09   | 12.8    |
|           |            | 1       | 0         | 11.59   | 11.24   | 11.89   | 12.8    |
|           |            | 1       | 25        | 11.58   | 10.7    | 12.01   | 12.8    |
|           |            | 1       | 49        | 10.88   | 11.81   | 11.69   | 12.8    |
|           |            | 25      | 0         | 11.21   | 11.33   | 11.22   | 12.8    |
|           |            | 25      | 13        | 11.31   | 11.22   | 11.15   | 12.8    |
|           |            | 25      | 25        | 11.23   | 11.26   | 11.08   | 12.8    |
|           |            | 50      | 0         | 11.28   | 11.18   | 11.08   | 12.8    |
|           | 16QAM      | 1       | 0         | 11.39   | 11.23   | 11.27   | 12.8    |
|           |            | 1       | 25        | 10.73   | 10.87   | 10.81   | 12.8    |
|           |            | 1       | 49        | 11.11   | 11.31   | 11.39   | 12.8    |
|           |            | 25      | 0         | 11.02   | 10.92   | 11.02   | 12.8    |
|           |            | 25      | 13        | 10.87   | 10.87   | 11.03   | 12.8    |
|           |            | 25      | 25        | 10.83   | 10.99   | 11.1    | 12.8    |
|           |            | 50      | 0         | 10.93   | 10.98   | 11.06   | 12.8    |
|           | 64QAM      | 1       | 0         | 11.39   | 11.23   | 11.27   | 12.8    |
|           |            | 1       | 25        | 10.73   | 10.87   | 10.81   | 12.8    |
|           |            | 1       | 49        | 11.11   | 11.31   | 11.39   | 12.8    |
|           |            | 25      | 0         | 11.02   | 10.92   | 11.02   | 12.8    |
|           |            | 25      | 13        | 10.87   | 10.87   | 11.03   | 12.8    |
|           |            | 25      | 25        | 10.83   | 10.99   | 11.1    | 12.8    |
|           |            | 50      | 0         | 10.93   | 10.98   | 11.06   | 12.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 11.37   | 11.26   | 11.14   | 12.8    |
|           |            | 1       | 38        | 11.22   | 11.45   | 10.88   | 12.8    |
|           |            | 1       | 74        | 11.27   | 11.35   | 11.19   | 12.8    |
|           |            | 36      | 0         | 11.32   | 11.37   | 11.1    | 12.8    |
|           |            | 36      | 18        | 11.31   | 11.36   | 11.25   | 12.8    |
|           |            | 36      | 39        | 11.32   | 11.35   | 11.19   | 12.8    |
|           |            | 75      | 0         | 11.35   | 11.32   | 11.12   | 12.8    |
|           | 16QAM      | 1       | 0         | 11.21   | 11.65   | 11.29   | 12.8    |
|           |            | 1       | 38        | 11.73   | 11.94   | 11.28   | 12.8    |
|           |            | 1       | 74        | 12.03   | 11.74   | 11.19   | 12.8    |
|           |            | 36      | 0         | 11.23   | 11.2    | 11.15   | 12.8    |
|           |            | 36      | 18        | 11.35   | 11.27   | 11.17   | 12.8    |
|           |            | 36      | 39        | 11.14   | 11.29   | 11.16   | 12.8    |
|           |            | 75      | 0         | 11.35   | 11.25   | 11.1    | 12.8    |
|           | 64QAM      | 1       | 0         | 11.3    | 11.22   | 11.23   | 12.8    |
|           |            | 1       | 38        | 10.74   | 10.88   | 10.77   | 12.8    |
|           |            | 1       | 74        | 11.21   | 11.39   | 11.41   | 12.8    |
|           |            | 36      | 0         | 10.99   | 10.88   | 11      | 12.8    |
|           |            | 36      | 18        | 10.92   | 10.95   | 10.98   | 12.8    |
|           |            | 36      | 39        | 10.92   | 10.98   | 11.09   | 12.8    |
|           |            | 75      | 0         | 10.92   | 10.9    | 11.04   | 12.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 11.33   | 11.41   | 11.18   | 12.8    |
|           |            | 1       | 50        | 11.6    | 10.84   | 11.38   | 12.8    |
|           |            | 1       | 99        | 11.29   | 11.42   | 11.09   | 12.8    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 50  | 0  | 11.38 | 11.34 | 11.17 | 12.8 |
|  |       | 50  | 25 | 11.3  | 11.23 | 11.13 | 12.8 |
|  |       | 50  | 50 | 11.3  | 11.27 | 11.2  | 12.8 |
|  |       | 100 | 0  | 11.33 | 11.31 | 11.14 | 12.8 |
|  | 16QAM | 1   | 0  | 12.41 | 11.7  | 11.47 | 12.8 |
|  |       | 1   | 50 | 10.29 | 11.13 | 11.77 | 12.8 |
|  |       | 1   | 99 | 11.28 | 11.61 | 11.77 | 12.8 |
|  |       | 50  | 0  | 11.28 | 11.19 | 11.04 | 12.8 |
|  |       | 50  | 25 | 11.21 | 11.19 | 11.08 | 12.8 |
|  |       | 50  | 50 | 11.28 | 11.23 | 11.19 | 12.8 |
|  |       | 100 | 0  | 11.22 | 11.23 | 10.94 | 12.8 |
|  | 64QAM | 1   | 0  | 11.32 | 11.24 | 11.2  | 12.8 |
|  |       | 1   | 50 | 10.69 | 10.86 | 10.77 | 12.8 |
|  |       | 1   | 99 | 11.16 | 11.33 | 11.39 | 12.8 |
|  |       | 50  | 0  | 11.07 | 10.9  | 10.94 | 12.8 |
|  |       | 50  | 25 | 10.91 | 10.94 | 10.96 | 12.8 |
|  |       | 50  | 50 | 10.89 | 10.89 | 11.14 | 12.8 |
|  |       | 100 | 0  | 10.87 | 10.96 | 11.1  | 12.8 |

| LTE Band 7 Receiver on(Left head) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                      | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz   | QPSK       | 1       | 0         | 10.26                | 10.08   | 10.17   | 11.8    |
|  |            | 1       | 13        | 10.05                | 10.3    | 10.2    | 11.8    |
|  |            | 1       | 24        | 10.44                | 10.37   | 9.81    | 11.8    |
|  |            | 12      | 0         | 10.24                | 10.29   | 10.2    | 11.8    |
|  |            | 12      | 6         | 10.32                | 10.36   | 10.22   | 11.8    |
|  |            | 12      | 13        | 10.34                | 10.33   | 10.13   | 11.8    |
|  |            | 25      | 0         | 10.31                | 10.27   | 10.14   | 11.8    |
|  | 16QAM      | 1       | 0         | 10.94                | 11      | 10.34   | 11.8    |
|  |            | 1       | 13        | 11.19                | 10.75   | 10.47   | 11.8    |
|  |            | 1       | 24        | 10.81                | 10.44   | 10.21   | 11.8    |
|  |            | 12      | 0         | 10.33                | 10.26   | 10.32   | 11.8    |
|  |            | 12      | 6         | 10.14                | 10.09   | 10.09   | 11.8    |
|  |            | 12      | 13        | 10.18                | 10.29   | 10.04   | 11.8    |
|  |            | 25      | 0         | 10.35                | 10.34   | 10.17   | 11.8    |
|  | 64QAM      | 1       | 0         | 10.31                | 10.17   | 10.14   | 11.8    |
|  |            | 1       | 13        | 9.66                 | 9.78    | 9.7     | 11.8    |
|  |            | 1       | 24        | 10.16                | 10.29   | 10.37   | 11.8    |
|  |            | 12      | 0         | 10.01                | 9.86    | 9.88    | 11.8    |
|  |            | 12      | 6         | 9.81                 | 9.87    | 9.92    | 11.8    |
|  |            | 12      | 13        | 9.8                  | 9.8     | 10.05   | 11.8    |
|  |            | 25      | 0         | 9.86                 | 9.87    | 10.02   | 11.8    |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20800   | 21100   | 21400   |         |
| 10MHz     | QPSK       | 1       | 0         | 10.08   | 10.38   | 10.06   | 11.8    |
|           |            | 1       | 25        | 10.65   | 9.46    | 9.97    | 11.8    |
|           |            | 1       | 49        | 10.48   | 10.04   | 9.91    | 11.8    |
|           |            | 25      | 0         | 10.38   | 10.27   | 10.25   | 11.8    |
|           |            | 25      | 13        | 10.33   | 10.21   | 10.03   | 11.8    |
|           |            | 25      | 25        | 10.35   | 10.28   | 10.21   | 11.8    |
|           |            | 50      | 0         | 10.2    | 10.26   | 10.19   | 11.8    |
|           | 16QAM      | 1       | 0         | 10.98   | 10.56   | 10.95   | 11.8    |
|           |            | 1       | 25        | 9.51    | 10.42   | 9.94    | 11.8    |
|           |            | 1       | 49        | 10.56   | 10.43   | 10.74   | 11.8    |
|           |            | 25      | 0         | 10.28   | 10.26   | 10.03   | 11.8    |
|           |            | 25      | 13        | 10.13   | 10.31   | 10.01   | 11.8    |
|           |            | 25      | 25        | 10.26   | 10.35   | 10.09   | 11.8    |
|           |            | 50      | 0         | 10.12   | 10.14   | 10.01   | 11.8    |
|           | 64QAM      | 1       | 0         | 10.32   | 10.21   | 10.12   | 11.8    |
|           |            | 1       | 25        | 9.6     | 9.78    | 9.76    | 11.8    |
|           |            | 1       | 49        | 10.07   | 10.32   | 10.36   | 11.8    |
|           |            | 25      | 0         | 10      | 9.87    | 9.89    | 11.8    |
|           |            | 25      | 13        | 9.91    | 9.9     | 9.95    | 11.8    |
|           |            | 25      | 25        | 9.89    | 9.82    | 10.12   | 11.8    |
|           |            | 50      | 0         | 9.78    | 9.95    | 10.03   | 11.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 10.25   | 10.25   | 10.2    | 11.8    |
|           |            | 1       | 38        | 10.35   | 10.34   | 10.19   | 11.8    |
|           |            | 1       | 74        | 10.4    | 10.31   | 10.12   | 11.8    |
|           |            | 36      | 0         | 10.33   | 10.27   | 10.16   | 11.8    |
|           |            | 36      | 18        | 10.24   | 10.2    | 10.11   | 11.8    |
|           |            | 36      | 39        | 10.26   | 10.33   | 10.23   | 11.8    |
|           |            | 75      | 0         | 10.23   | 10.31   | 10.14   | 11.8    |
|           | 16QAM      | 1       | 0         | 11.26   | 10.55   | 10.42   | 11.8    |
|           |            | 1       | 38        | 10.78   | 11.06   | 10.77   | 11.8    |
|           |            | 1       | 74        | 10.93   | 10.88   | 10.68   | 11.8    |
|           |            | 36      | 0         | 10.24   | 10.28   | 9.94    | 11.8    |
|           |            | 36      | 18        | 10.26   | 10.28   | 10.08   | 11.8    |
|           |            | 36      | 39        | 10.26   | 10.32   | 10.11   | 11.8    |
|           |            | 75      | 0         | 10.24   | 10.17   | 10.07   | 11.8    |
|           | 64QAM      | 1       | 0         | 10.27   | 10.16   | 10.15   | 11.8    |
|           |            | 1       | 38        | 9.62    | 9.86    | 9.76    | 11.8    |
|           |            | 1       | 74        | 10.15   | 10.27   | 10.33   | 11.8    |
|           |            | 36      | 0         | 10.05   | 9.82    | 9.88    | 11.8    |
|           |            | 36      | 18        | 9.89    | 9.84    | 9.95    | 11.8    |
|           |            | 36      | 39        | 9.79    | 9.86    | 10.12   | 11.8    |
|           |            | 75      | 0         | 9.77    | 9.9     | 10.01   | 11.8    |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 10.35   | 10.23   | 10.28   | 11.8    |
|           |            | 1       | 50        | 9.86    | 10.06   | 9.58    | 11.8    |
|           |            | 1       | 99        | 10.46   | 10.13   | 10.53   | 11.8    |
|           |            | 50      | 0         | 10.4    | 10.27   | 10.21   | 11.8    |
|           |            | 50      | 25        | 10.26   | 10.38   | 10.2    | 11.8    |
|           |            | 50      | 50        | 10.24   | 10.32   | 10.18   | 11.8    |
|           |            | 100     | 0         | 10.31   | 10.28   | 10.25   | 11.8    |
|           | 16QAM      | 1       | 0         | 10.75   | 11.27   | 10.68   | 11.8    |
|           |            | 1       | 50        | 10.58   | 10.25   | 10.01   | 11.8    |
|           |            | 1       | 99        | 10.6    | 10.58   | 10.7    | 11.8    |
|           |            | 50      | 0         | 10.2    | 10.3    | 10.13   | 11.8    |
|           |            | 50      | 25        | 10.28   | 10.17   | 9.96    | 11.8    |
|           |            | 50      | 50        | 10.21   | 10.22   | 10.17   | 11.8    |
|           |            | 100     | 0         | 10.33   | 10.23   | 10.07   | 11.8    |
|           | 64QAM      | 1       | 0         | 10.3    | 10.15   | 10.12   | 11.8    |
|           |            | 1       | 50        | 9.59    | 9.77    | 9.71    | 11.8    |
|           |            | 1       | 99        | 10.06   | 10.25   | 10.34   | 11.8    |
|           |            | 50      | 0         | 10.06   | 9.82    | 9.9     | 11.8    |
|           |            | 50      | 25        | 9.87    | 9.86    | 9.87    | 11.8    |
|           |            | 50      | 50        | 9.83    | 9.85    | 10.12   | 11.8    |
|           |            | 100     | 0         | 9.87    | 9.9     | 10.08   | 11.8    |

| LTE Band 7 Receiver on(Right head) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz  | QPSK       | 1       | 0         | 9.44                 | 9.09    | 9.08    | 10.8    |
|   |            | 1       | 13        | 9.05                 | 9.21    | 8.92    | 10.8    |
|   |            | 1       | 24        | 8.96                 | 9       | 8.76    | 10.8    |
|   |            | 12      | 0         | 9.28                 | 9.16    | 9.06    | 10.8    |
|   |            | 12      | 6         | 9.16                 | 9.05    | 8.93    | 10.8    |
|   |            | 12      | 13        | 9.03                 | 9.13    | 8.72    | 10.8    |
|   |            | 25      | 0         | 9.12                 | 9.23    | 8.87    | 10.8    |
|   | 16QAM      | 1       | 0         | 9.93                 | 9.51    | 8.88    | 10.8    |
|   |            | 1       | 13        | 9.74                 | 9.04    | 9.44    | 10.8    |
|   |            | 1       | 24        | 8.76                 | 9.75    | 9.07    | 10.8    |
|   |            | 12      | 0         | 9.24                 | 9.23    | 9.18    | 10.8    |
|   |            | 12      | 6         | 9.12                 | 9.08    | 9.02    | 10.8    |
|   |            | 12      | 13        | 9.09                 | 9.16    | 8.79    | 10.8    |
|   |            | 25      | 0         | 9.15                 | 9.21    | 8.93    | 10.8    |
|   | 64QAM      | 1       | 0         | 9.22                 | 9.16    | 9.12    | 10.8    |
|   |            | 1       | 13        | 8.61                 | 8.68    | 8.67    | 10.8    |
|   |            | 1       | 24        | 9.14                 | 9.2     | 9.27    | 10.8    |
|   |            | 12      | 0         | 9.01                 | 8.85    | 8.8     | 10.8    |

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|           |            | 12      | 6         | 8.77    | 8.86    | 8.87    | 10.8    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 13        | 8.71    | 8.78    | 8.99    | 10.8    |
|           |            | 25      | 0         | 8.84    | 8.84    | 9.01    | 10.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20800   | 21100   | 21400   |         |
| 10MHz     | QPSK       | 1       | 0         | 9.61    | 9.32    | 9.78    | 10.8    |
|           |            | 1       | 25        | 9.24    | 9.23    | 9.05    | 10.8    |
|           |            | 1       | 49        | 9.05    | 8.93    | 8.6     | 10.8    |
|           |            | 25      | 0         | 9.29    | 9.43    | 9.26    | 10.8    |
|           |            | 25      | 13        | 9.21    | 9.23    | 8.97    | 10.8    |
|           |            | 25      | 25        | 8.92    | 9.1     | 8.74    | 10.8    |
|           |            | 50      | 0         | 9.01    | 9.27    | 8.98    | 10.8    |
|           | 16QAM      | 1       | 0         | 9.8     | 9.51    | 10.46   | 10.8    |
|           |            | 1       | 25        | 9.71    | 9.47    | 9.19    | 10.8    |
|           |            | 1       | 49        | 9.69    | 8.98    | 8.76    | 10.8    |
|           |            | 25      | 0         | 9.36    | 9.42    | 9.31    | 10.8    |
|           |            | 25      | 13        | 9.27    | 9.23    | 9.03    | 10.8    |
|           |            | 25      | 25        | 8.93    | 9.15    | 8.72    | 10.8    |
|           |            | 50      | 0         | 9.03    | 9.29    | 9.04    | 10.8    |
|           | 64QAM      | 1       | 0         | 9.28    | 9.14    | 9.06    | 10.8    |
|           |            | 1       | 25        | 8.65    | 8.73    | 8.7     | 10.8    |
|           |            | 1       | 49        | 9.08    | 9.27    | 9.36    | 10.8    |
|           |            | 25      | 0         | 8.93    | 8.77    | 8.87    | 10.8    |
|           |            | 25      | 13        | 8.72    | 8.8     | 8.9     | 10.8    |
|           |            | 25      | 25        | 8.79    | 8.76    | 8.98    | 10.8    |
|           |            | 50      | 0         | 8.76    | 8.82    | 8.95    | 10.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 9.63    | 9.36    | 10.17   | 10.8    |
|           |            | 1       | 38        | 9.26    | 9.37    | 9.22    | 10.8    |
|           |            | 1       | 74        | 9.32    | 9.19    | 8.8     | 10.8    |
|           |            | 36      | 0         | 9.28    | 9.28    | 9.71    | 10.8    |
|           |            | 36      | 18        | 9.2     | 9.34    | 9.13    | 10.8    |
|           |            | 36      | 39        | 9.31    | 9.32    | 8.92    | 10.8    |
|           |            | 75      | 0         | 9.36    | 9.45    | 9.11    | 10.8    |
|           | 16QAM      | 1       | 0         | 10.34   | 9.63    | 10.82   | 10.8    |
|           |            | 1       | 38        | 9.4     | 9.59    | 9.68    | 10.8    |
|           |            | 1       | 74        | 9.45    | 9.63    | 9.01    | 10.8    |
|           |            | 36      | 0         | 9.28    | 9.28    | 9.82    | 10.8    |
|           |            | 36      | 18        | 9.3     | 9.38    | 9.12    | 10.8    |
|           |            | 36      | 39        | 9.33    | 9.32    | 8.95    | 10.8    |
|           |            | 75      | 0         | 9.34    | 9.38    | 9.1     | 10.8    |
|           | 64QAM      | 1       | 0         | 9.3     | 9.12    | 9.06    | 10.8    |
|           |            | 1       | 38        | 8.63    | 8.69    | 8.61    | 10.8    |
|           |            | 1       | 74        | 9.07    | 9.26    | 9.3     | 10.8    |
|           |            | 36      | 0         | 9       | 8.76    | 8.84    | 10.8    |
|           |            | 36      | 18        | 8.8     | 8.77    | 8.88    | 10.8    |

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|           |            | 36      | 39        | 8.75    | 8.74    | 8.95    | 10.8    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 75      | 0         | 8.77    | 8.82    | 8.99    | 10.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 9.57    | 9.69    | 9.86    | 10.8    |
|           |            | 1       | 50        | 9.36    | 9.37    | 9.49    | 10.8    |
|           |            | 1       | 99        | 9.59    | 9.64    | 9.14    | 10.8    |
|           |            | 50      | 0         | 9.41    | 9.59    | 9.93    | 10.8    |
|           |            | 50      | 25        | 9.5     | 9.4     | 9.33    | 10.8    |
|           |            | 50      | 50        | 9.37    | 9.45    | 9.25    | 10.8    |
|           |            | 100     | 0         | 9.1     | 9.66    | 9.55    | 10.8    |
|           | 16QAM      | 1       | 0         | 9.85    | 10.02   | 10.26   | 10.8    |
|           |            | 1       | 50        | 10.07   | 9.63    | 9.79    | 10.8    |
|           |            | 1       | 99        | 10.1    | 10.42   | 9.76    | 10.8    |
|           |            | 50      | 0         | 9.45    | 9.61    | 9.91    | 10.8    |
|           |            | 50      | 25        | 9.5     | 9.42    | 9.26    | 10.8    |
|           |            | 50      | 50        | 9.3     | 9.44    | 9.29    | 10.8    |
|           |            | 100     | 0         | 9.09    | 9.6     | 9.53    | 10.8    |
|           | 64QAM      | 1       | 0         | 9.26    | 9.17    | 9.06    | 10.8    |
|           |            | 1       | 50        | 8.57    | 8.72    | 8.64    | 10.8    |
|           |            | 1       | 99        | 9.07    | 9.2     | 9.36    | 10.8    |
|           |            | 50      | 0         | 9       | 8.81    | 8.84    | 10.8    |
|           |            | 50      | 25        | 8.74    | 8.78    | 8.89    | 10.8    |
|           |            | 50      | 50        | 8.8     | 8.79    | 9       | 10.8    |
|           |            | 100     | 0         | 8.86    | 8.84    | 9.02    | 10.8    |

| LTE Band 7 Receiver on(Left head) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                                   | QPSK       | 1       | 0         | 13.32                | 13.2    | 13.16   | 14.8    |
|  |            | 1       | 13        | 13.24                | 13.31   | 13.11   | 14.8    |
|  |            | 1       | 24        | 13.23                | 13.28   | 13.12   | 14.8    |
|  |            | 12      | 0         | 13.3                 | 13.38   | 13.13   | 14.8    |
|  |            | 12      | 6         | 13.28                | 13.2    | 13.14   | 14.8    |
|  |            | 12      | 13        | 13.34                | 13.24   | 13.23   | 14.8    |
|  |            | 25      | 0         | 13.25                | 13.17   | 13.14   | 14.8    |
|  | 16QAM      | 1       | 0         | 13.73                | 13.55   | 13.06   | 14.8    |
|  |            | 1       | 13        | 13.26                | 13.32   | 13.52   | 14.8    |
|  |            | 1       | 24        | 13.6                 | 13.39   | 13.47   | 14.8    |
|  |            | 12      | 0         | 13.29                | 13.34   | 13.06   | 14.8    |
|  |            | 12      | 6         | 13.4                 | 13.15   | 13.14   | 14.8    |
|  |            | 12      | 13        | 13.27                | 13.12   | 13.13   | 14.8    |
|  |            | 25      | 0         | 13.34                | 13.23   | 12.98   | 14.8    |
|  | 64QAM      | 1       | 0         | 13.45                | 13.44   | 13.39   | 14.8    |
|  |            | 1       | 13        | 12.82                | 12.96   | 12.91   | 14.8    |

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|           |            | 1       | 24        | 13.43         | 13.42         | 13.56         | 14.8    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 12      | 0         | 13.26         | 13.11         | 13.08         | 14.8    |
|           |            | 12      | 6         | 13.06         | 13.13         | 13.11         | 14.8    |
|           |            | 12      | 13        | 12.97         | 12.99         | 13.23         | 14.8    |
|           |            | 25      | 0         | 13.09         | 13.08         | 13.23         | 14.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20800 | Channel 21100 | Channel 21400 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 13.32         | 13.24         | 12.99         | 14.8    |
|           |            | 1       | 25        | 12.66         | 13.08         | 12.57         | 14.8    |
|           |            | 1       | 49        | 13.3          | 13.16         | 13.13         | 14.8    |
|           |            | 25      | 0         | 13.34         | 13.23         | 13.12         | 14.8    |
|           |            | 25      | 13        | 13.31         | 13.32         | 13.12         | 14.8    |
|           |            | 25      | 25        | 13.42         | 13.27         | 13.2          | 14.8    |
|           |            | 50      | 0         | 13.3          | 13.24         | 13.12         | 14.8    |
|           | 16QAM      | 1       | 0         | 13.72         | 13.52         | 13.71         | 14.8    |
|           |            | 1       | 25        | 14.09         | 13.67         | 14.22         | 14.8    |
|           |            | 1       | 49        | 13.2          | 13.58         | 13.35         | 14.8    |
|           |            | 25      | 0         | 13.29         | 13.31         | 13.04         | 14.8    |
|           |            | 25      | 13        | 13.12         | 13.28         | 13.1          | 14.8    |
|           |            | 25      | 25        | 13.25         | 13.07         | 13.1          | 14.8    |
|           |            | 50      | 0         | 13.26         | 13.06         | 13.06         | 14.8    |
|           | 64QAM      | 1       | 0         | 13.44         | 13.36         | 13.33         | 14.8    |
|           |            | 1       | 25        | 12.91         | 12.93         | 12.96         | 14.8    |
|           |            | 1       | 49        | 13.36         | 13.47         | 13.54         | 14.8    |
|           |            | 25      | 0         | 13.24         | 13.15         | 13.01         | 14.8    |
|           |            | 25      | 13        | 13.03         | 13.14         | 13.13         | 14.8    |
|           |            | 25      | 25        | 12.98         | 13.06         | 13.24         | 14.8    |
|           |            | 50      | 0         | 13.09         | 13.08         | 13.27         | 14.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20825 | Channel 21100 | Channel 21375 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 13.27         | 13.13         | 13.28         | 14.8    |
|           |            | 1       | 38        | 13.27         | 13.35         | 13.34         | 14.8    |
|           |            | 1       | 74        | 13.18         | 13.4          | 13.09         | 14.8    |
|           |            | 36      | 0         | 13.33         | 13.32         | 13.19         | 14.8    |
|           |            | 36      | 18        | 13.35         | 13.23         | 13.12         | 14.8    |
|           |            | 36      | 39        | 13.39         | 13.29         | 13.12         | 14.8    |
|           |            | 75      | 0         | 13.4          | 13.27         | 13.11         | 14.8    |
|           | 16QAM      | 1       | 0         | 13.69         | 13.61         | 13.14         | 14.8    |
|           |            | 1       | 38        | 13.97         | 13.8          | 13.78         | 14.8    |
|           |            | 1       | 74        | 13.68         | 13.66         | 13.49         | 14.8    |
|           |            | 36      | 0         | 13.32         | 13.22         | 13.15         | 14.8    |
|           |            | 36      | 18        | 13.33         | 13.2          | 13.05         | 14.8    |
|           |            | 36      | 39        | 13.32         | 13.25         | 13.12         | 14.8    |
|           |            | 75      | 0         | 13.2          | 13.21         | 13.16         | 14.8    |
|           | 64QAM      | 1       | 0         | 13.43         | 13.43         | 13.41         | 14.8    |
|           |            | 1       | 38        | 12.89         | 12.92         | 12.88         | 14.8    |
|           |            | 1       | 74        | 13.4          | 13.46         | 13.55         | 14.8    |

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|           |            | 36      | 0         | 13.27         | 13.07         | 13.08         | 14.8    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 36      | 18        | 13.03         | 13.08         | 13.09         | 14.8    |
|           |            | 36      | 39        | 12.98         | 13.05         | 13.24         | 14.8    |
|           |            | 75      | 0         | 13.13         | 13.06         | 13.23         | 14.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20850 | Channel 21100 | Channel 21350 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 13.22         | 13.29         | 13.34         | 14.8    |
|           |            | 1       | 50        | 13.68         | 13.1          | 12.78         | 14.8    |
|           |            | 1       | 99        | 13.32         | 13.41         | 13.37         | 14.8    |
|           |            | 50      | 0         | 13.36         | 13.33         | 13.14         | 14.8    |
|           |            | 50      | 25        | 13.29         | 13.33         | 13.08         | 14.8    |
|           |            | 50      | 50        | 13.33         | 13.28         | 13.22         | 14.8    |
|           |            | 100     | 0         | 13.36         | 13.2          | 13.14         | 14.8    |
|           | 16QAM      | 1       | 0         | 13.81         | 12.95         | 13.36         | 14.8    |
|           |            | 1       | 50        | 13.16         | 13.5          | 13.88         | 14.8    |
|           |            | 1       | 99        | 13.58         | 13.88         | 13.66         | 14.8    |
|           |            | 50      | 0         | 13.32         | 13.2          | 13.08         | 14.8    |
|           |            | 50      | 25        | 13.24         | 13.12         | 13.03         | 14.8    |
|           |            | 50      | 50        | 13.26         | 13.25         | 13.2          | 14.8    |
|           |            | 100     | 0         | 13.29         | 13.31         | 13.1          | 14.8    |
|           | 64QAM      | 1       | 0         | 13.44         | 13.44         | 13.33         | 14.8    |
|           |            | 1       | 50        | 12.83         | 12.97         | 12.9          | 14.8    |
|           |            | 1       | 99        | 13.4          | 13.46         | 13.54         | 14.8    |
|           |            | 50      | 0         | 13.28         | 13.09         | 13.07         | 14.8    |
|           |            | 50      | 25        | 13.02         | 13.07         | 13.08         | 14.8    |
|           |            | 50      | 50        | 12.93         | 12.98         | 13.27         | 14.8    |
|           |            | 100     | 0         | 13.08         | 13.04         | 13.24         | 14.8    |

| LTE Band 7 Receiver on(Right head) + BT |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel 20775        | Channel 21100 | Channel 21425 | Tune up |
| 5MHz                                    | QPSK       | 1       | 0         | 12.25                | 12.34         | 12.04         | 13.8    |
|   |            | 1       | 13        | 12.43                | 12.31         | 12.23         | 13.8    |
|   |            | 1       | 24        | 12.56                | 12.4          | 12.16         | 13.8    |
|   |            | 12      | 0         | 12.25                | 12.27         | 12.16         | 13.8    |
|   |            | 12      | 6         | 12.26                | 12.3          | 12.07         | 13.8    |
|   |            | 12      | 13        | 12.21                | 12.27         | 12.21         | 13.8    |
|   |            | 25      | 0         | 12.23                | 12.33         | 12.12         | 13.8    |
|   | 16QAM      | 1       | 0         | 12.65                | 12.94         | 12.34         | 13.8    |
|   |            | 1       | 13        | 12.65                | 12.9          | 12.33         | 13.8    |
|   |            | 1       | 24        | 12.26                | 12.75         | 12.19         | 13.8    |
|   |            | 12      | 0         | 12.31                | 12.3          | 12.2          | 13.8    |
|   |            | 12      | 6         | 12.18                | 11.91         | 12.11         | 13.8    |
|   |            | 12      | 13        | 12.28                | 12.32         | 12.11         | 13.8    |
|   |            | 25      | 0         | 12.26                | 12.15         | 11.98         | 13.8    |

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|           | 64QAM      | 1       | 0         | 12.35         | 12.36         | 12.31         | 13.8    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 13        | 11.79         | 11.95         | 11.83         | 13.8    |
|           |            | 1       | 24        | 12.38         | 12.39         | 12.52         | 13.8    |
|           |            | 12      | 0         | 12.24         | 12.06         | 12.07         | 13.8    |
|           |            | 12      | 6         | 12.05         | 12.07         | 12.02         | 13.8    |
|           |            | 12      | 13        | 11.96         | 11.91         | 12.13         | 13.8    |
|           |            | 25      | 0         | 12.03         | 12.01         | 12.17         | 13.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20800 | Channel 21100 | Channel 21400 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 11.9          | 12.36         | 12.21         | 13.8    |
|           |            | 1       | 25        | 12.27         | 11.99         | 11.99         | 13.8    |
|           |            | 1       | 49        | 12.15         | 12.11         | 12.22         | 13.8    |
|           |            | 25      | 0         | 12.33         | 12.24         | 12.12         | 13.8    |
|           |            | 25      | 13        | 12.25         | 12.32         | 12.06         | 13.8    |
|           |            | 25      | 25        | 12.41         | 12.34         | 12.08         | 13.8    |
|           |            | 50      | 0         | 12.25         | 12.21         | 12.08         | 13.8    |
|           | 16QAM      | 1       | 0         | 12.85         | 12.48         | 12.17         | 13.8    |
|           |            | 1       | 25        | 13.11         | 12.32         | 12.33         | 13.8    |
|           |            | 1       | 49        | 12.58         | 12.32         | 12.75         | 13.8    |
|           |            | 25      | 0         | 12.32         | 12.15         | 12.12         | 13.8    |
|           |            | 25      | 13        | 12.31         | 12.19         | 12.14         | 13.8    |
|           |            | 25      | 25        | 12.28         | 12.2          | 12.11         | 13.8    |
|           |            | 50      | 0         | 12.24         | 12.29         | 12.05         | 13.8    |
|           | 64QAM      | 1       | 0         | 12.42         | 12.42         | 12.34         | 13.8    |
|           |            | 1       | 25        | 11.76         | 11.89         | 11.89         | 13.8    |
|           |            | 1       | 49        | 12.38         | 12.39         | 12.51         | 13.8    |
|           |            | 25      | 0         | 12.17         | 12.02         | 12.03         | 13.8    |
|           |            | 25      | 13        | 11.99         | 12.07         | 12.1          | 13.8    |
|           |            | 25      | 25        | 11.96         | 11.91         | 12.19         | 13.8    |
|           |            | 50      | 0         | 12.02         | 11.99         | 12.16         | 13.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20825 | Channel 21100 | Channel 21375 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 12.24         | 12.22         | 12.18         | 13.8    |
|           |            | 1       | 38        | 12.28         | 12.36         | 12.22         | 13.8    |
|           |            | 1       | 74        | 11.91         | 12.26         | 12.23         | 13.8    |
|           |            | 36      | 0         | 12.31         | 12.35         | 12.16         | 13.8    |
|           |            | 36      | 18        | 12.43         | 12.23         | 12.18         | 13.8    |
|           |            | 36      | 39        | 12.44         | 12.24         | 12.24         | 13.8    |
|           |            | 75      | 0         | 12.29         | 12.31         | 12.14         | 13.8    |
|           | 16QAM      | 1       | 0         | 12.53         | 12.26         | 12.64         | 13.8    |
|           |            | 1       | 38        | 13.4          | 12.91         | 12.41         | 13.8    |
|           |            | 1       | 74        | 12.41         | 12.43         | 12.86         | 13.8    |
|           |            | 36      | 0         | 12.31         | 12.32         | 12.08         | 13.8    |
|           |            | 36      | 18        | 12.36         | 12.26         | 12.12         | 13.8    |
|           |            | 36      | 39        | 12.33         | 12.24         | 12.12         | 13.8    |
|           |            | 75      | 0         | 12.19         | 12.19         | 12.07         | 13.8    |
|           | 64QAM      | 1       | 0         | 12.44         | 12.39         | 12.37         | 13.8    |

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|           |            | 1       | 38        | 11.8    | 11.87   | 11.85   | 13.8    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 74        | 12.42   | 12.39   | 12.54   | 13.8    |
|           |            | 36      | 0         | 12.24   | 12.08   | 11.99   | 13.8    |
|           |            | 36      | 18        | 12.06   | 12.13   | 12.09   | 13.8    |
|           |            | 36      | 39        | 11.95   | 11.96   | 12.21   | 13.8    |
|           |            | 75      | 0         | 12.07   | 12.06   | 12.17   | 13.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 12.35   | 12.38   | 12.22   | 13.8    |
|           |            | 1       | 50        | 12.12   | 12.34   | 11.94   | 13.8    |
|           |            | 1       | 99        | 12.19   | 12.27   | 12.24   | 13.8    |
|           |            | 50      | 0         | 12.43   | 12.42   | 12.17   | 13.8    |
|           |            | 50      | 25        | 12.38   | 12.35   | 12.09   | 13.8    |
|           |            | 50      | 50        | 12.29   | 12.25   | 12.21   | 13.8    |
|           |            | 100     | 0         | 12.37   | 12.28   | 12.23   | 13.8    |
|           | 16QAM      | 1       | 0         | 12.78   | 12.92   | 12.92   | 13.8    |
|           |            | 1       | 50        | 12.84   | 11.3    | 11.13   | 13.8    |
|           |            | 1       | 99        | 12.96   | 12.72   | 12.03   | 13.8    |
|           |            | 50      | 0         | 12.38   | 12.12   | 11.98   | 13.8    |
|           |            | 50      | 25        | 12.15   | 12.21   | 12.11   | 13.8    |
|           |            | 50      | 50        | 12.33   | 12.18   | 12.03   | 13.8    |
|           |            | 100     | 0         | 12.38   | 12.15   | 12.09   | 13.8    |
|           | 64QAM      | 1       | 0         | 12.43   | 12.42   | 12.32   | 13.8    |
|           |            | 1       | 50        | 11.81   | 11.87   | 11.85   | 13.8    |
|           |            | 1       | 99        | 12.42   | 12.41   | 12.56   | 13.8    |
|           |            | 50      | 0         | 12.2    | 12.05   | 12.01   | 13.8    |
|           |            | 50      | 25        | 11.97   | 12.09   | 12.09   | 13.8    |
|           |            | 50      | 50        | 11.91   | 11.99   | 12.22   | 13.8    |
|           |            | 100     | 0         | 12.08   | 12.06   | 12.23   | 13.8    |

| LTE Band 7 Receiver off (body or limbs) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz   | QPSK       | 1       | 0         | 15.73                | 15.87   | 15.64   | 17.3    |
|  |            | 1       | 13        | 15.94                | 15.79   | 15.65   | 17.3    |
|  |            | 1       | 24        | 15.91                | 15.71   | 15.59   | 17.3    |
|  |            | 12      | 0         | 15.9                 | 15.89   | 15.62   | 17.3    |
|  |            | 12      | 6         | 15.78                | 15.74   | 15.77   | 17.3    |
|  |            | 12      | 13        | 15.91                | 15.77   | 15.72   | 17.3    |
|  |            | 25      | 0         | 15.81                | 15.71   | 15.6    | 17.3    |
|  | 16QAM      | 1       | 0         | 16.14                | 16.07   | 15.36   | 17.3    |
|  |            | 1       | 13        | 16.02                | 16.09   | 16.34   | 17.3    |
|  |            | 1       | 24        | 15.88                | 16.33   | 15.78   | 17.3    |
|  |            | 12      | 0         | 15.87                | 15.77   | 15.49   | 17.3    |
|  |            | 12      | 6         | 15.87                | 15.83   | 15.46   | 17.3    |

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|       |           |            |           |           |         |         |         |
|-------|-----------|------------|-----------|-----------|---------|---------|---------|
|       | 64QAM     | 12         | 13        | 15.89     | 15.78   | 15.73   | 17.3    |
|       |           | 25         | 0         | 15.8      | 15.68   | 15.61   | 17.3    |
|       |           | 1          | 0         | 15.83     | 15.77   | 15.72   | 17.3    |
|       |           | 1          | 13        | 15.26     | 15.37   | 15.24   | 17.3    |
|       |           | 1          | 24        | 15.78     | 15.82   | 16      | 17.3    |
|       |           | 12         | 0         | 15.69     | 15.51   | 15.56   | 17.3    |
|       |           | 12         | 6         | 15.51     | 15.49   | 15.5    | 17.3    |
|       |           | 12         | 13        | 15.44     | 15.38   | 15.63   | 17.3    |
|       | 64QAM     | 25         | 0         | 15.47     | 15.48   | 15.66   | 17.3    |
|       |           | RB size    | RB offset | Channel   | Channel | Channel | Tune up |
|       |           |            |           | 20800     | 21100   | 21400   |         |
| 10MHz | QPSK      | 1          | 0         | 15.68     | 15.68   | 15.64   | 17.3    |
|       |           | 1          | 25        | 15.62     | 15.88   | 15.2    | 17.3    |
|       |           | 1          | 49        | 15.92     | 15.79   | 15.59   | 17.3    |
|       |           | 25         | 0         | 15.9      | 15.84   | 15.55   | 17.3    |
|       |           | 25         | 13        | 15.93     | 15.82   | 15.72   | 17.3    |
|       |           | 25         | 25        | 15.83     | 15.76   | 15.74   | 17.3    |
|       |           | 50         | 0         | 15.91     | 15.76   | 15.58   | 17.3    |
|       |           | 1          | 0         | 16.03     | 16.01   | 15.89   | 17.3    |
|       | 16QAM     | 1          | 25        | 15.96     | 15.51   | 15.86   | 17.3    |
|       |           | 1          | 49        | 16.03     | 15.75   | 15.38   | 17.3    |
|       |           | 25         | 0         | 15.84     | 15.71   | 15.65   | 17.3    |
|       |           | 25         | 13        | 15.7      | 15.65   | 15.68   | 17.3    |
|       |           | 25         | 25        | 15.86     | 15.71   | 15.67   | 17.3    |
|       |           | 50         | 0         | 15.71     | 15.74   | 15.66   | 17.3    |
|       |           | 1          | 0         | 15.76     | 15.78   | 15.76   | 17.3    |
|       |           | 1          | 25        | 15.21     | 15.38   | 15.27   | 17.3    |
|       | 64QAM     | 1          | 49        | 15.85     | 15.82   | 15.94   | 17.3    |
|       |           | 25         | 0         | 15.7      | 15.46   | 15.5    | 17.3    |
|       |           | 25         | 13        | 15.53     | 15.48   | 15.45   | 17.3    |
|       |           | 25         | 25        | 15.42     | 15.36   | 15.58   | 17.3    |
|       |           | 50         | 0         | 15.44     | 15.45   | 15.62   | 17.3    |
|       | Bandwidth | Modulation | RB size   | RB offset | Channel | Channel | Channel |
|       |           |            |           |           | 20825   | 21100   | 21375   |
| 15MHz | QPSK      | 1          | 0         | 15.69     | 15.73   | 15.56   | 17.3    |
|       |           | 1          | 38        | 15.81     | 15.84   | 15.72   | 17.3    |
|       |           | 1          | 74        | 15.82     | 15.82   | 15.75   | 17.3    |
|       |           | 36         | 0         | 15.86     | 15.89   | 15.61   | 17.3    |
|       |           | 36         | 18        | 15.84     | 15.74   | 15.68   | 17.3    |
|       |           | 36         | 39        | 15.86     | 15.78   | 15.74   | 17.3    |
|       |           | 75         | 0         | 15.82     | 15.78   | 15.66   | 17.3    |
|       |           | 1          | 0         | 16.4      | 15.94   | 15.73   | 17.3    |
|       | 16QAM     | 1          | 38        | 16.49     | 15.87   | 15.8    | 17.3    |
|       |           | 1          | 74        | 15.97     | 15.93   | 16.14   | 17.3    |
|       |           | 36         | 0         | 15.81     | 15.74   | 15.68   | 17.3    |
|       |           | 36         | 18        | 15.67     | 15.82   | 15.63   | 17.3    |
|       |           | 36         | 39        | 15.75     | 15.72   | 15.65   | 17.3    |

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|           | 64QAM      | 75      | 0         | 15.66   | 15.61   | 15.6    | 17.3    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 15.82   | 15.86   | 15.8    | 17.3    |
|           |            | 1       | 38        | 15.25   | 15.43   | 15.26   | 17.3    |
|           |            | 1       | 74        | 15.84   | 15.84   | 15.93   | 17.3    |
|           |            | 36      | 0         | 15.72   | 15.53   | 15.48   | 17.3    |
|           |            | 36      | 18        | 15.55   | 15.47   | 15.45   | 17.3    |
|           |            | 36      | 39        | 15.45   | 15.41   | 15.6    | 17.3    |
|           |            | 75      | 0         | 15.48   | 15.51   | 15.63   | 17.3    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 15.9    | 15.83   | 15.67   | 17.3    |
|           |            | 1       | 50        | 15.32   | 15.18   | 15.35   | 17.3    |
|           |            | 1       | 99        | 15.92   | 15.84   | 15.84   | 17.3    |
|           |            | 50      | 0         | 15.88   | 15.88   | 15.67   | 17.3    |
|           |            | 50      | 25        | 15.72   | 15.82   | 15.64   | 17.3    |
|           |            | 50      | 50        | 15.83   | 15.76   | 15.7    | 17.3    |
|           |            | 100     | 0         | 15.9    | 15.78   | 15.68   | 17.3    |
|           |            | 1       | 0         | 16.4    | 16.25   | 15.52   | 17.3    |
|           | 16QAM      | 1       | 50        | 15.68   | 16      | 15.5    | 17.3    |
|           |            | 1       | 99        | 16.36   | 15.67   | 16.45   | 17.3    |
|           |            | 50      | 0         | 15.85   | 15.75   | 15.62   | 17.3    |
|           |            | 50      | 25        | 15.82   | 15.67   | 15.57   | 17.3    |
|           |            | 50      | 50        | 15.77   | 15.75   | 15.65   | 17.3    |
|           |            | 100     | 0         | 15.9    | 15.87   | 15.66   | 17.3    |
|           |            | 1       | 0         | 15.84   | 15.82   | 15.81   | 17.3    |
|           |            | 1       | 50        | 15.25   | 15.4    | 15.29   | 17.3    |
|           | 64QAM      | 1       | 99        | 15.8    | 15.8    | 16      | 17.3    |
|           |            | 50      | 0         | 15.72   | 15.48   | 15.55   | 17.3    |
|           |            | 50      | 25        | 15.5    | 15.56   | 15.51   | 17.3    |
|           |            | 50      | 50        | 15.44   | 15.37   | 15.6    | 17.3    |
|           |            | 100     | 0         | 15.46   | 15.43   | 15.59   | 17.3    |

| LTE Band 7 Receiver on(Left head) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz  | QPSK       | 1       | 0         | 12.55                | 12.27   | 12.01   | 13.8    |
|   |            | 1       | 13        | 12.26                | 12.4    | 12.05   | 13.8    |
|   |            | 1       | 24        | 12.57                | 12.4    | 11.99   | 13.8    |
|   |            | 12      | 0         | 12.35                | 12.31   | 12.08   | 13.8    |
|   |            | 12      | 6         | 12.27                | 12.24   | 12.15   | 13.8    |
|   |            | 12      | 13        | 12.42                | 12.32   | 12.15   | 13.8    |
|   |            | 25      | 0         | 12.3                 | 12.21   | 12.12   | 13.8    |
|   | 16QAM      | 1       | 0         | 12.95                | 12.41   | 12.7    | 13.8    |
|   |            | 1       | 13        | 12.84                | 13.05   | 12.55   | 13.8    |
|   |            | 1       | 24        | 12.68                | 12.08   | 12.88   | 13.8    |

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|           |            | 12      | 0         | 12.23            | 12.07            | 12.19            | 13.8    |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 12      | 6         | 12.37            | 12.34            | 12.08            | 13.8    |
|           |            | 12      | 13        | 12.57            | 12.37            | 12.13            | 13.8    |
|           |            | 25      | 0         | 12.29            | 12.26            | 12.11            | 13.8    |
|           | 64QAM      | 1       | 0         | 12.45            | 12.38            | 12.4             | 13.8    |
|           |            | 1       | 13        | 11.86            | 12.02            | 11.89            | 13.8    |
|           |            | 1       | 24        | 12.45            | 12.49            | 12.63            | 13.8    |
|           |            | 12      | 0         | 12.24            | 12.07            | 12.11            | 13.8    |
|           |            | 12      | 6         | 12.14            | 12.11            | 12.03            | 13.8    |
|           |            | 12      | 13        | 12.06            | 11.99            | 12.23            | 13.8    |
|           |            | 25      | 0         | 12.05            | 12.09            | 12.27            | 13.8    |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20800 | Channel<br>21100 | Channel<br>21400 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 12.36            | 12.21            | 12.12            | 13.8    |
|           |            | 1       | 25        | 11.8             | 12.1             | 12               | 13.8    |
|           |            | 1       | 49        | 12.65            | 12.22            | 12.06            | 13.8    |
|           |            | 25      | 0         | 12.35            | 12.25            | 12.09            | 13.8    |
|           |            | 25      | 13        | 12.39            | 12.42            | 12.17            | 13.8    |
|           |            | 25      | 25        | 12.34            | 12.31            | 12.19            | 13.8    |
|           |            | 50      | 0         | 12.35            | 12.29            | 12.08            | 13.8    |
|           |            |         |           |                  |                  |                  |         |
|           | 16QAM      | 1       | 0         | 12.49            | 11.99            | 12.56            | 13.8    |
|           |            | 1       | 25        | 12.94            | 12.55            | 12.19            | 13.8    |
|           |            | 1       | 49        | 12.4             | 13.26            | 12.5             | 13.8    |
|           |            | 25      | 0         | 12.15            | 12.16            | 12.06            | 13.8    |
|           |            | 25      | 13        | 12.09            | 12.23            | 11.89            | 13.8    |
|           |            | 25      | 25        | 12.33            | 12.21            | 12.02            | 13.8    |
|           |            | 50      | 0         | 12.07            | 12.13            | 12.06            | 13.8    |
|           |            |         |           |                  |                  |                  |         |
|           | 64QAM      | 1       | 0         | 12.42            | 12.4             | 12.39            | 13.8    |
|           |            | 1       | 25        | 11.88            | 11.99            | 11.92            | 13.8    |
|           |            | 1       | 49        | 12.41            | 12.46            | 12.59            | 13.8    |
|           |            | 25      | 0         | 12.25            | 12.14            | 12.11            | 13.8    |
|           |            | 25      | 13        | 12.13            | 12.1             | 12.09            | 13.8    |
|           |            | 25      | 25        | 11.97            | 12               | 12.14            | 13.8    |
|           |            | 50      | 0         | 12.1             | 12.01            | 12.17            | 13.8    |
|           |            |         |           |                  |                  |                  |         |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20825 | Channel<br>21100 | Channel<br>21375 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 12.15            | 12.13            | 12.11            | 13.8    |
|           |            | 1       | 38        | 11.95            | 12.25            | 12.07            | 13.8    |
|           |            | 1       | 74        | 12.02            | 12.27            | 12.19            | 13.8    |
|           |            | 36      | 0         | 12.37            | 12.26            | 12.18            | 13.8    |
|           |            | 36      | 18        | 12.23            | 12.23            | 12.09            | 13.8    |
|           |            | 36      | 39        | 12.34            | 12.31            | 12.25            | 13.8    |
|           |            | 75      | 0         | 12.28            | 12.26            | 12.07            | 13.8    |
|           |            |         |           |                  |                  |                  |         |
|           | 16QAM      | 1       | 0         | 12.38            | 12.33            | 12.1             | 13.8    |
|           |            | 1       | 38        | 12.61            | 12.45            | 12.43            | 13.8    |
|           |            | 1       | 74        | 13               | 12.64            | 12.6             | 13.8    |
|           |            | 36      | 0         | 12.29            | 12.3             | 12.17            | 13.8    |

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|           |            | 36      | 18        | 12.29   | 12.21   | 12.09   | 13.8    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 39        | 12.2    | 12.26   | 12.16   | 13.8    |
|           |            | 75      | 0         | 12.25   | 12.27   | 12.08   | 13.8    |
|           | 64QAM      | 1       | 0         | 12.41   | 12.47   | 12.34   | 13.8    |
|           |            | 1       | 38        | 11.87   | 12      | 11.85   | 13.8    |
|           |            | 1       | 74        | 12.42   | 12.49   | 12.54   | 13.8    |
|           |            | 36      | 0         | 12.33   | 12.09   | 12.11   | 13.8    |
|           |            | 36      | 18        | 12.08   | 12.1    | 12.09   | 13.8    |
|           |            | 36      | 39        | 11.97   | 11.98   | 12.14   | 13.8    |
|           |            | 75      | 0         | 12.06   | 12.04   | 12.21   | 13.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 12.36   | 12.44   | 11.99   | 13.8    |
|           |            | 1       | 50        | 11.36   | 12.24   | 12      | 13.8    |
|           |            | 1       | 99        | 12.27   | 12.19   | 11.98   | 13.8    |
|           |            | 50      | 0         | 12.27   | 12.27   | 12.23   | 13.8    |
|           |            | 50      | 25        | 12.35   | 12.21   | 12.12   | 13.8    |
|           |            | 50      | 50        | 12.31   | 12.32   | 12.25   | 13.8    |
|           |            | 100     | 0         | 12.39   | 12.34   | 12.18   | 13.8    |
|           | 16QAM      | 1       | 0         | 12.93   | 12.73   | 12.89   | 13.8    |
|           |            | 1       | 50        | 12.93   | 12.66   | 12.49   | 13.8    |
|           |            | 1       | 99        | 12.7    | 12.93   | 12.46   | 13.8    |
|           |            | 50      | 0         | 12.26   | 12.25   | 12.14   | 13.8    |
|           |            | 50      | 25        | 12.4    | 12.09   | 11.99   | 13.8    |
|           |            | 50      | 50        | 12.28   | 12.31   | 12.23   | 13.8    |
|           |            | 100     | 0         | 12.24   | 12.3    | 12.02   | 13.8    |
|           | 64QAM      | 1       | 0         | 12.42   | 12.37   | 12.37   | 13.8    |
|           |            | 1       | 50        | 11.81   | 12.03   | 11.87   | 13.8    |
|           |            | 1       | 99        | 12.41   | 12.42   | 12.61   | 13.8    |
|           |            | 50      | 0         | 12.27   | 12.14   | 12.14   | 13.8    |
|           |            | 50      | 25        | 12.06   | 12.1    | 12.1    | 13.8    |
|           |            | 50      | 50        | 12      | 12.01   | 12.23   | 13.8    |
|           |            | 100     | 0         | 12.04   | 12.09   | 12.17   | 13.8    |

| LTE Band 7 Receiver on(Right head) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz   | QPSK       | 1       | 0         | 11.25                | 11.37   | 10.92   | 12.8    |
|  |            | 1       | 13        | 11.27                | 11.3    | 10.99   | 12.8    |
|  |            | 1       | 24        | 11.32                | 11.26   | 11.2    | 12.8    |
|  |            | 12      | 0         | 11.32                | 11.38   | 11.25   | 12.8    |
|  |            | 12      | 6         | 11.11                | 11.22   | 11.17   | 12.8    |
|  |            | 12      | 13        | 11.34                | 11.34   | 11.14   | 12.8    |
|  |            | 25      | 0         | 11.28                | 11.33   | 11.07   | 12.8    |
|  | 16QAM      | 1       | 0         | 11.33                | 11.18   | 11.27   | 12.8    |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 1              | 13               | 12.04                | 11.91                | 11.53                | 12.8           |
|                  |                   | 1              | 24               | 11.44                | 11.24                | 11.2                 | 12.8           |
|                  |                   | 12             | 0                | 11.47                | 11.22                | 11.26                | 12.8           |
|                  |                   | 12             | 6                | 11.27                | 11.03                | 11.14                | 12.8           |
|                  |                   | 12             | 13               | 11.23                | 11.29                | 11.05                | 12.8           |
|                  |                   | 25             | 0                | 11.28                | 11.2                 | 11.06                | 12.8           |
|                  | 64QAM             | 1              | 0                | 11.4                 | 11.27                | 11.27                | 12.8           |
|                  |                   | 1              | 13               | 10.7                 | 10.91                | 10.84                | 12.8           |
|                  |                   | 1              | 24               | 11.23                | 11.43                | 11.41                | 12.8           |
|                  |                   | 12             | 0                | 11.12                | 10.9                 | 10.98                | 12.8           |
|                  |                   | 12             | 6                | 10.97                | 10.96                | 11.04                | 12.8           |
|                  |                   | 12             | 13               | 10.9                 | 10.92                | 11.18                | 12.8           |
|                  |                   | 25             | 0                | 10.9                 | 11.01                | 11.15                | 12.8           |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 20800</b> | <b>Channel 21100</b> | <b>Channel 21400</b> | <b>Tune up</b> |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 11.4                 | 11.24                | 11.3                 | 12.8           |
|                  |                   | 1              | 25               | 11.12                | 11.41                | 10.62                | 12.8           |
|                  |                   | 1              | 49               | 11.28                | 10.97                | 10.93                | 12.8           |
|                  |                   | 25             | 0                | 11.35                | 11.31                | 11.16                | 12.8           |
|                  |                   | 25             | 13               | 11.27                | 11.4                 | 11.08                | 12.8           |
|                  |                   | 25             | 25               | 11.32                | 11.26                | 11.04                | 12.8           |
|                  |                   | 50             | 0                | 11.36                | 11.33                | 11.23                | 12.8           |
|                  | 16QAM             | 1              | 0                | 11.69                | 11.2                 | 11.37                | 12.8           |
|                  |                   | 1              | 25               | 11.5                 | 11.45                | 10.69                | 12.8           |
|                  |                   | 1              | 49               | 11.86                | 11.64                | 11.5                 | 12.8           |
|                  |                   | 25             | 0                | 11.22                | 11.09                | 11.06                | 12.8           |
|                  |                   | 25             | 13               | 11.32                | 11.24                | 11.03                | 12.8           |
|                  |                   | 25             | 25               | 11.38                | 11.14                | 11.04                | 12.8           |
|                  |                   | 50             | 0                | 11.07                | 11.32                | 10.94                | 12.8           |
|                  | 64QAM             | 1              | 0                | 11.35                | 11.29                | 11.24                | 12.8           |
|                  |                   | 1              | 25               | 10.75                | 10.89                | 10.82                | 12.8           |
|                  |                   | 1              | 49               | 11.23                | 11.33                | 11.47                | 12.8           |
|                  |                   | 25             | 0                | 11.1                 | 10.92                | 11.03                | 12.8           |
|                  |                   | 25             | 13               | 11.01                | 11.02                | 11.04                | 12.8           |
|                  |                   | 25             | 25               | 10.94                | 10.94                | 11.17                | 12.8           |
|                  |                   | 50             | 0                | 10.93                | 11.03                | 11.11                | 12.8           |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 20825</b> | <b>Channel 21100</b> | <b>Channel 21375</b> | <b>Tune up</b> |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 11.25                | 11.15                | 10.84                | 12.8           |
|                  |                   | 1              | 38               | 11.33                | 10.96                | 11.12                | 12.8           |
|                  |                   | 1              | 74               | 11.24                | 11.1                 | 11.24                | 12.8           |
|                  |                   | 36             | 0                | 11.4                 | 11.38                | 11.06                | 12.8           |
|                  |                   | 36             | 18               | 11.39                | 11.33                | 11.15                | 12.8           |
|                  |                   | 36             | 39               | 11.41                | 11.32                | 11.15                | 12.8           |
|                  |                   | 75             | 0                | 11.28                | 11.28                | 11.19                | 12.8           |
|                  |                   |                |                  |                      |                      |                      |                |
|                  | 16QAM             | 1              | 0                | 11.67                | 11.56                | 11.54                | 12.8           |
|                  |                   | 1              | 38               | 11.17                | 11.38                | 11.03                | 12.8           |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 74        | 11.52   | 11.89   | 11.45   | 12.8    |
|           |            | 36      | 0         | 11.27   | 11.22   | 10.97   | 12.8    |
|           |            | 36      | 18        | 11.23   | 11.2    | 11.02   | 12.8    |
|           |            | 36      | 39        | 11.3    | 11.1    | 11.13   | 12.8    |
|           |            | 75      | 0         | 11.31   | 11.15   | 11.14   | 12.8    |
|           | 64QAM      | 1       | 0         | 11.34   | 11.32   | 11.29   | 12.8    |
|           |            | 1       | 38        | 10.76   | 10.92   | 10.82   | 12.8    |
|           |            | 1       | 74        | 11.16   | 11.35   | 11.45   | 12.8    |
|           |            | 36      | 0         | 11.14   | 10.94   | 10.97   | 12.8    |
|           |            | 36      | 18        | 10.98   | 10.96   | 11.05   | 12.8    |
|           |            | 36      | 39        | 10.97   | 10.97   | 11.17   | 12.8    |
|           |            | 75      | 0         | 10.96   | 10.99   | 11.14   | 12.8    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 11.49   | 11.34   | 11.3    | 12.8    |
|           |            | 1       | 50        | 11      | 11.32   | 11.62   | 12.8    |
|           |            | 1       | 99        | 11.15   | 11.03   | 11.4    | 12.8    |
|           |            | 50      | 0         | 11.38   | 11.35   | 11.18   | 12.8    |
|           |            | 50      | 25        | 11.29   | 11.23   | 11.15   | 12.8    |
|           |            | 50      | 50        | 11.31   | 11.41   | 11.23   | 12.8    |
|           |            | 100     | 0         | 11.33   | 11.32   | 11.17   | 12.8    |
|           | 16QAM      | 1       | 0         | 11.57   | 11.73   | 11.13   | 12.8    |
|           |            | 1       | 50        | 11.72   | 11.24   | 11.5    | 12.8    |
|           |            | 1       | 99        | 11.69   | 11.4    | 11.53   | 12.8    |
|           |            | 50      | 0         | 11.23   | 11.21   | 11.04   | 12.8    |
|           |            | 50      | 25        | 11.29   | 11.3    | 11.1    | 12.8    |
|           |            | 50      | 50        | 11.2    | 11.22   | 11.11   | 12.8    |
|           |            | 100     | 0         | 11.25   | 11.22   | 11.18   | 12.8    |
|           | 64QAM      | 1       | 0         | 11.39   | 11.28   | 11.3    | 12.8    |
|           |            | 1       | 50        | 10.74   | 10.96   | 10.78   | 12.8    |
|           |            | 1       | 99        | 11.24   | 11.35   | 11.43   | 12.8    |
|           |            | 50      | 0         | 11.14   | 10.97   | 11.04   | 12.8    |
|           |            | 50      | 25        | 10.95   | 11      | 10.97   | 12.8    |
|           |            | 50      | 50        | 10.98   | 10.95   | 11.19   | 12.8    |
|           |            | 100     | 0         | 10.97   | 11.05   | 11.12   | 12.8    |

| LTE Band 7 Receiver off (body or limbs) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel 20775        | Channel 21100 | Channel 21425 | Tune up |
| 5MHz  | QPSK       | 1       | 0         | 14.88                | 14.75         | 14.67         | 16.3    |
|   |            | 1       | 13        | 14.87                | 14.72         | 14.69         | 16.3    |
|   |            | 1       | 24        | 14.85                | 14.77         | 14.68         | 16.3    |
|   |            | 12      | 0         | 14.82                | 14.84         | 14.73         | 16.3    |
|   |            | 12      | 6         | 14.94                | 14.7          | 14.61         | 16.3    |
|   |            | 12      | 13        | 14.87                | 14.83         | 14.67         | 16.3    |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 25      | 0         | 14.88   | 14.69   | 14.66   | 16.3    |
|           |            | 1       | 0         | 15.15   | 15.09   | 14.9    | 16.3    |
|           |            | 1       | 13        | 15.38   | 15.08   | 15.09   | 16.3    |
|           |            | 1       | 24        | 15.21   | 15.17   | 14.89   | 16.3    |
|           |            | 12      | 0         | 14.88   | 14.83   | 14.64   | 16.3    |
|           |            | 12      | 6         | 14.9    | 14.72   | 14.29   | 16.3    |
|           |            | 12      | 13        | 14.84   | 14.81   | 14.67   | 16.3    |
|           |            | 25      | 0         | 14.86   | 14.81   | 14.55   | 16.3    |
|           |            | 1       | 0         | 14.83   | 14.69   | 14.8    | 16.3    |
|           |            | 1       | 13        | 14.15   | 14.39   | 14.26   | 16.3    |
|           |            | 1       | 24        | 14.69   | 14.78   | 14.88   | 16.3    |
|           |            | 12      | 0         | 14.6    | 14.39   | 14.47   | 16.3    |
|           |            | 12      | 6         | 14.36   | 14.49   | 14.4    | 16.3    |
|           |            | 12      | 13        | 14.42   | 14.44   | 14.62   | 16.3    |
|           |            | 25      | 0         | 14.46   | 14.55   | 14.57   | 16.3    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20800   | 21100   | 21400   |         |
| 10MHz     | QPSK       | 1       | 0         | 14.9    | 14.72   | 14.65   | 16.3    |
|           |            | 1       | 25        | 14.75   | 15.14   | 14.12   | 16.3    |
|           |            | 1       | 49        | 14.76   | 14.86   | 14.67   | 16.3    |
|           |            | 25      | 0         | 14.92   | 14.86   | 14.68   | 16.3    |
|           |            | 25      | 13        | 14.74   | 14.73   | 14.7    | 16.3    |
|           |            | 25      | 25        | 14.88   | 14.73   | 14.7    | 16.3    |
|           |            | 50      | 0         | 14.88   | 14.8    | 14.67   | 16.3    |
|           |            | 1       | 0         | 15.37   | 14.9    | 15.1    | 16.3    |
|           | 16QAM      | 1       | 25        | 15.1    | 15.19   | 15.44   | 16.3    |
|           |            | 1       | 49        | 14.63   | 15.35   | 14.91   | 16.3    |
|           |            | 25      | 0         | 14.87   | 14.91   | 14.51   | 16.3    |
|           |            | 25      | 13        | 14.68   | 14.63   | 14.6    | 16.3    |
|           |            | 25      | 25        | 14.83   | 14.82   | 14.72   | 16.3    |
|           |            | 50      | 0         | 14.83   | 14.73   | 14.58   | 16.3    |
|           |            | 1       | 0         | 14.86   | 14.69   | 14.74   | 16.3    |
|           |            | 1       | 25        | 14.19   | 14.42   | 14.26   | 16.3    |
|           | 64QAM      | 1       | 49        | 14.69   | 14.79   | 14.91   | 16.3    |
|           |            | 25      | 0         | 14.62   | 14.41   | 14.46   | 16.3    |
|           |            | 25      | 13        | 14.4    | 14.43   | 14.45   | 16.3    |
|           |            | 25      | 25        | 14.45   | 14.44   | 14.6    | 16.3    |
|           |            | 50      | 0         | 14.38   | 14.46   | 14.6    | 16.3    |
|           |            | 1       | 0         | 14.87   | 14.75   | 14.53   | 16.3    |
|           |            | 1       | 38        | 14.82   | 14.84   | 14.75   | 16.3    |
|           |            | 1       | 74        | 14.77   | 14.79   | 14.65   | 16.3    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 14.87   | 14.75   | 14.53   | 16.3    |
|           |            | 1       | 38        | 14.82   | 14.84   | 14.75   | 16.3    |
|           |            | 1       | 74        | 14.77   | 14.79   | 14.65   | 16.3    |
|           |            | 36      | 0         | 14.87   | 14.75   | 14.69   | 16.3    |
|           |            | 36      | 18        | 14.78   | 14.85   | 14.64   | 16.3    |
|           |            | 36      | 39        | 14.85   | 14.71   | 14.68   | 16.3    |
|           |            | 75      | 0         | 14.91   | 14.76   | 14.74   | 16.3    |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  | 16QAM             | 1              | 0                | 15.16                | 15.16                | 14.93                | 16.3           |
|                  |                   | 1              | 38               | 15.07                | 14.94                | 14.97                | 16.3           |
|                  |                   | 1              | 74               | 15.08                | 15.06                | 14.85                | 16.3           |
|                  |                   | 36             | 0                | 14.81                | 14.89                | 14.64                | 16.3           |
|                  |                   | 36             | 18               | 14.81                | 14.76                | 14.56                | 16.3           |
|                  |                   | 36             | 39               | 14.84                | 14.82                | 14.62                | 16.3           |
|                  |                   | 75             | 0                | 14.75                | 14.65                | 14.64                | 16.3           |
|                  | 64QAM             | 1              | 0                | 14.85                | 14.73                | 14.74                | 16.3           |
|                  |                   | 1              | 38               | 14.2                 | 14.4                 | 14.28                | 16.3           |
|                  |                   | 1              | 74               | 14.72                | 14.77                | 14.83                | 16.3           |
|                  |                   | 36             | 0                | 14.58                | 14.38                | 14.51                | 16.3           |
|                  |                   | 36             | 18               | 14.44                | 14.4                 | 14.42                | 16.3           |
|                  |                   | 36             | 39               | 14.39                | 14.4                 | 14.61                | 16.3           |
|                  |                   | 75             | 0                | 14.4                 | 14.55                | 14.6                 | 16.3           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 20850</b> | <b>Channel 21100</b> | <b>Channel 21350</b> | <b>Tune up</b> |
| <b>20MHz</b>     | QPSK              | 1              | 0                | 14.95                | 14.92                | 14.67                | 16.3           |
|                  |                   | 1              | 50               | 14.75                | 14.79                | 14.44                | 16.3           |
|                  |                   | 1              | 99               | 14.78                | 14.85                | 14.86                | 16.3           |
|                  |                   | 50             | 0                | 14.86                | 14.84                | 14.76                | 16.3           |
|                  |                   | 50             | 25               | 14.77                | 14.88                | 14.7                 | 16.3           |
|                  |                   | 50             | 50               | 14.8                 | 14.82                | 14.63                | 16.3           |
|                  |                   | 100            | 0                | 14.85                | 14.86                | 14.75                | 16.3           |
|                  | 16QAM             | 1              | 0                | 15.35                | 15.08                | 15.25                | 16.3           |
|                  |                   | 1              | 50               | 15.08                | 14.23                | 14.66                | 16.3           |
|                  |                   | 1              | 99               | 14.97                | 15.42                | 15.51                | 16.3           |
|                  |                   | 50             | 0                | 14.88                | 14.63                | 14.53                | 16.3           |
|                  |                   | 50             | 25               | 14.72                | 14.84                | 14.63                | 16.3           |
|                  |                   | 50             | 50               | 14.88                | 14.7                 | 14.72                | 16.3           |
|                  |                   | 100            | 0                | 14.76                | 14.82                | 14.5                 | 16.3           |
|                  | 64QAM             | 1              | 0                | 14.88                | 14.68                | 14.78                | 16.3           |
|                  |                   | 1              | 50               | 14.24                | 14.45                | 14.21                | 16.3           |
|                  |                   | 1              | 99               | 14.71                | 14.77                | 14.86                | 16.3           |
|                  |                   | 50             | 0                | 14.62                | 14.43                | 14.47                | 16.3           |
|                  |                   | 50             | 25               | 14.44                | 14.44                | 14.4                 | 16.3           |
|                  |                   | 50             | 50               | 14.44                | 14.41                | 14.64                | 16.3           |
|                  |                   | 100            | 0                | 14.38                | 14.49                | 14.58                | 16.3           |

| LTE Band 7 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20775                | 21100   | 21425   |         |
| <b>5MHz</b>   | QPSK       | 1       | 0         | 10.24                | 10.13   | 10.16   | 11.8    |
|   |            | 1       | 13        | 10.34                | 10.33   | 10.2    | 11.8    |
|   |            | 1       | 24        | 10.43                | 9.84    | 9.98    | 11.8    |
|   |            | 12      | 0         | 10.36                | 10.3    | 10.13   | 11.8    |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 12             | 6                | 10.35          | 10.22          | 10.15          | 11.8           |
|                  |                   | 12             | 13               | 10.46          | 10.25          | 10.01          | 11.8           |
|                  |                   | 25             | 0                | 10.39          | 10.2           | 10.01          | 11.8           |
|                  |                   | 1              | 0                | 10.64          | 10.73          | 10.62          | 11.8           |
|                  |                   | 1              | 13               | 10.98          | 10.72          | 10.45          | 11.8           |
|                  |                   | 1              | 24               | 10.74          | 11.19          | 10.67          | 11.8           |
|                  |                   | 12             | 0                | 10.42          | 10.27          | 10.1           | 11.8           |
|                  |                   | 12             | 6                | 10.16          | 10.19          | 10.1           | 11.8           |
|                  |                   | 12             | 13               | 10.27          | 10.34          | 10.27          | 11.8           |
|                  |                   | 25             | 0                | 10.26          | 10.25          | 10.13          | 11.8           |
|                  | 16QAM             | 1              | 0                | 10.45          | 10.28          | 10.4           | 11.8           |
|                  |                   | 1              | 13               | 9.85           | 10.02          | 9.8            | 11.8           |
|                  |                   | 1              | 24               | 10.35          | 10.39          | 10.52          | 11.8           |
|                  |                   | 12             | 0                | 10.25          | 9.99           | 10.13          | 11.8           |
|                  |                   | 12             | 6                | 10             | 10.11          | 10.06          | 11.8           |
|                  |                   | 12             | 13               | 10.08          | 9.97           | 10.28          | 11.8           |
|                  |                   | 25             | 0                | 10.05          | 10.15          | 10.23          | 11.8           |
|                  | 64QAM             | 1              | 0                | 10.45          | 10.28          | 10.4           | 11.8           |
|                  |                   | 1              | 13               | 9.85           | 10.02          | 9.8            | 11.8           |
|                  |                   | 1              | 24               | 10.35          | 10.39          | 10.52          | 11.8           |
|                  |                   | 12             | 0                | 10.25          | 9.99           | 10.13          | 11.8           |
|                  |                   | 12             | 6                | 10             | 10.11          | 10.06          | 11.8           |
|                  |                   | 12             | 13               | 10.08          | 9.97           | 10.28          | 11.8           |
|                  |                   | 25             | 0                | 10.05          | 10.15          | 10.23          | 11.8           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 20800          | 21100          | 21400          |                |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 10.2           | 10.28          | 10.25          | 11.8           |
|                  |                   | 1              | 25               | 9.94           | 10.34          | 9.96           | 11.8           |
|                  |                   | 1              | 49               | 10.3           | 9.89           | 10.01          | 11.8           |
|                  |                   | 25             | 0                | 10.25          | 10.37          | 10.21          | 11.8           |
|                  |                   | 25             | 13               | 10.37          | 10.23          | 10.2           | 11.8           |
|                  |                   | 25             | 25               | 10.32          | 10.37          | 10.25          | 11.8           |
|                  |                   | 50             | 0                | 10.35          | 10.26          | 10.21          | 11.8           |
|                  |                   | 50             | 0                | 10.35          | 10.26          | 10.21          | 11.8           |
|                  | 16QAM             | 1              | 0                | 10.64          | 10.54          | 10.24          | 11.8           |
|                  |                   | 1              | 25               | 11             | 10.3           | 10.36          | 11.8           |
|                  |                   | 1              | 49               | 10.51          | 10.28          | 10.64          | 11.8           |
|                  |                   | 25             | 0                | 10.38          | 10.09          | 10.01          | 11.8           |
|                  |                   | 25             | 13               | 10.24          | 10.18          | 10.03          | 11.8           |
|                  |                   | 25             | 25               | 10.3           | 10.22          | 10.01          | 11.8           |
|                  |                   | 50             | 0                | 10.33          | 10.16          | 10.09          | 11.8           |
|                  |                   | 50             | 0                | 10.33          | 10.16          | 10.09          | 11.8           |
|                  | 64QAM             | 1              | 0                | 10.45          | 10.4           | 10.36          | 11.8           |
|                  |                   | 1              | 25               | 9.78           | 10.04          | 9.85           | 11.8           |
|                  |                   | 1              | 49               | 10.32          | 10.36          | 10.49          | 11.8           |
|                  |                   | 25             | 0                | 10.19          | 10.05          | 10.15          | 11.8           |
|                  |                   | 25             | 13               | 10             | 10.07          | 10.05          | 11.8           |
|                  |                   | 25             | 25               | 10.07          | 10.03          | 10.22          | 11.8           |
|                  |                   | 50             | 0                | 10.04          | 10.07          | 10.13          | 11.8           |
|                  |                   | 50             | 0                | 10.04          | 10.07          | 10.13          | 11.8           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 20825          | 21100          | 21375          |                |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 10.34          | 10.26          | 10.07          | 11.8           |
|                  |                   | 1              | 38               | 10.57          | 10.31          | 10.22          | 11.8           |
|                  |                   | 1              | 74               | 10.49          | 9.96           | 9.8            | 11.8           |
|                  |                   | 36             | 0                | 10.38          | 10.3           | 10.21          | 11.8           |
|                  |                   | 36             | 18               | 10.33          | 10.29          | 10.2           | 11.8           |
|                  |                   | 36             | 18               | 10.33          | 10.29          | 10.2           | 11.8           |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 39        | 10.33   | 10.28   | 10.19   | 11.8    |
|           |            | 75      | 0         | 10.24   | 10.39   | 10.21   | 11.8    |
|           | 16QAM      | 1       | 0         | 10.85   | 10.37   | 10.35   | 11.8    |
|           |            | 1       | 38        | 11.2    | 11.04   | 10.48   | 11.8    |
|           |            | 1       | 74        | 10.48   | 10.72   | 10.46   | 11.8    |
|           |            | 36      | 0         | 10.23   | 10.34   | 10.07   | 11.8    |
|           |            | 36      | 18        | 10.39   | 10.38   | 10.07   | 11.8    |
|           |            | 36      | 39        | 10.2    | 10.37   | 10.12   | 11.8    |
|           |            | 75      | 0         | 10.26   | 10.26   | 10.02   | 11.8    |
|           |            | 64QAM   | 1         | 0       | 10.41   | 10.34   | 10.29   |
|           | 1          |         | 38        | 9.86    | 9.96    | 9.87    | 11.8    |
|           | 1          |         | 74        | 10.2    | 10.47   | 10.47   | 11.8    |
|           | 36         |         | 0         | 10.23   | 9.95    | 10.07   | 11.8    |
|           | 36         |         | 18        | 10.03   | 10.05   | 10.15   | 11.8    |
|           | 36         |         | 39        | 10.04   | 9.97    | 10.21   | 11.8    |
|           | 75         |         | 0         | 10.01   | 10.02   | 10.17   | 11.8    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 10.36   | 10.32   | 10.49   | 11.8    |
|           |            | 1       | 50        | 9.85    | 9.74    | 10.3    | 11.8    |
|           |            | 1       | 99        | 10.49   | 10.32   | 10.24   | 11.8    |
|           |            | 50      | 0         | 10.36   | 10.33   | 10.17   | 11.8    |
|           |            | 50      | 25        | 10.26   | 10.38   | 10.15   | 11.8    |
|           |            | 50      | 50        | 10.29   | 10.27   | 10.22   | 11.8    |
|           |            | 100     | 0         | 10.46   | 10.32   | 10.22   | 11.8    |
|           | 16QAM      | 1       | 0         | 10.96   | 10.7    | 10.91   | 11.8    |
|           |            | 1       | 50        | 10.8    | 10.52   | 10.81   | 11.8    |
|           |            | 1       | 99        | 10.72   | 10.92   | 11.01   | 11.8    |
|           |            | 50      | 0         | 10.38   | 10.22   | 10.2    | 11.8    |
|           |            | 50      | 25        | 10.27   | 10.26   | 10.01   | 11.8    |
|           |            | 50      | 50        | 10.25   | 10.16   | 10.07   | 11.8    |
|           |            | 100     | 0         | 10.2    | 10.31   | 10.05   | 11.8    |
|           | 64QAM      | 1       | 0         | 10.41   | 10.34   | 10.29   | 11.8    |
|           |            | 1       | 50        | 9.96    | 9.96    | 9.97    | 11.8    |
|           |            | 1       | 99        | 10.2    | 10.47   | 10.47   | 11.8    |
|           |            | 50      | 0         | 10.23   | 9.95    | 10.07   | 11.8    |
|           |            | 50      | 25        | 10.03   | 10.05   | 10.15   | 11.8    |
|           |            | 50      | 50        | 10.04   | 9.97    | 10.21   | 11.8    |
|           |            | 100     | 0         | 10.01   | 10.02   | 10.17   | 11.8    |

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| LTE Band 7 Receiver on(Right head) + WiFi5G<br>Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz  | QPSK       | 1       | 0         | 9.92                 | 9.24    | 8.98    | 10.8    |
|   |            | 1       | 13        | 9.31                 | 9.26    | 8.76    | 10.8    |
|   |            | 1       | 24        | 9.22                 | 8.91    | 8.8     | 10.8    |
|   |            | 12      | 0         | 9.64                 | 9.24    | 9.01    | 10.8    |
|   |            | 12      | 6         | 9.35                 | 9.12    | 8.93    | 10.8    |
|   |            | 12      | 13        | 9.15                 | 9.2     | 8.7     | 10.8    |
|   |            | 25      | 0         | 9.33                 | 9.23    | 8.86    | 10.8    |
|   | 16QAM      | 1       | 0         | 10.19                | 9.7     | 9.37    | 10.8    |
|   |            | 1       | 13        | 10.11                | 9.48    | 9.26    | 10.8    |
|   |            | 1       | 24        | 9.79                 | 9.7     | 9.09    | 10.8    |
|   |            | 12      | 0         | 9.47                 | 9.21    | 9.21    | 10.8    |
|   |            | 12      | 6         | 9.48                 | 9.23    | 9       | 10.8    |
|   |            | 12      | 13        | 9.37                 | 9.1     | 8.62    | 10.8    |
|   |            | 25      | 0         | 9.39                 | 9.07    | 8.83    | 10.8    |
|   | 64QAM      | 1       | 0         | 9.37                 | 9.28    | 9.19    | 10.8    |
|   |            | 1       | 13        | 8.91                 | 8.91    | 8.88    | 10.8    |
|   |            | 1       | 24        | 9.19                 | 9.41    | 9.42    | 10.8    |
|   |            | 12      | 0         | 9.14                 | 8.92    | 8.99    | 10.8    |
|   |            | 12      | 6         | 8.99                 | 9.01    | 9.13    | 10.8    |
|   |            | 12      | 13        | 8.98                 | 8.88    | 9.19    | 10.8    |
|   |            | 25      | 0         | 8.98                 | 8.99    | 9.17    | 10.8    |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz   | QPSK       | 1       | 0         | 9.83                 | 9.36    | 9.87    | 10.8    |
|   |            | 1       | 25        | 9.38                 | 9.23    | 9       | 10.8    |
|   |            | 1       | 49        | 9.03                 | 9.01    | 8.53    | 10.8    |
|   |            | 25      | 0         | 9.48                 | 9.57    | 9.36    | 10.8    |
|   |            | 25      | 13        | 9.37                 | 9.12    | 9.09    | 10.8    |
|   |            | 25      | 25        | 9.07                 | 9       | 8.84    | 10.8    |
|   |            | 50      | 0         | 9.19                 | 9.18    | 9.09    | 10.8    |
|   | 16QAM      | 1       | 0         | 10.55                | 9.77    | 10.12   | 10.8    |
|   |            | 1       | 25        | 9.73                 | 9.76    | 9.67    | 10.8    |
|   |            | 1       | 49        | 9.46                 | 9.36    | 8.55    | 10.8    |
|   |            | 25      | 0         | 9.45                 | 9.49    | 9.4     | 10.8    |
|   |            | 25      | 13        | 9.4                  | 9.09    | 9.16    | 10.8    |
|   |            | 25      | 25        | 9.15                 | 9.02    | 8.92    | 10.8    |
|   |            | 50      | 0         | 9.18                 | 9.17    | 9.02    | 10.8    |
|   | 64QAM      | 1       | 0         | 9.34                 | 9.29    | 9.26    | 10.8    |
|   |            | 1       | 25        | 8.91                 | 8.87    | 8.97    | 10.8    |
|   |            | 1       | 49        | 9.13                 | 9.45    | 9.4     | 10.8    |
|   |            | 25      | 0         | 9.19                 | 8.95    | 9.05    | 10.8    |

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|           |            | 25      | 13        | 9       | 9.01    | 9.13    | 10.8    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 25        | 9       | 8.88    | 9.18    | 10.8    |
|           |            | 50      | 0         | 8.98    | 8.93    | 9.11    | 10.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 9.72    | 9.48    | 9.98    | 10.8    |
|           |            | 1       | 38        | 9.24    | 9.32    | 9.21    | 10.8    |
|           |            | 1       | 74        | 9.41    | 9.26    | 8.81    | 10.8    |
|           |            | 36      | 0         | 9.29    | 9.34    | 9.74    | 10.8    |
|           |            | 36      | 18        | 9.19    | 9.31    | 9.14    | 10.8    |
|           |            | 36      | 39        | 9.4     | 9.38    | 8.93    | 10.8    |
|           |            | 75      | 0         | 9.35    | 9.34    | 9.13    | 10.8    |
|           | 16QAM      | 1       | 0         | 10.61   | 10.03   | 10.71   | 10.8    |
|           |            | 1       | 38        | 9.58    | 9.96    | 9.94    | 10.8    |
|           |            | 1       | 74        | 9.94    | 9.67    | 9.23    | 10.8    |
|           |            | 36      | 0         | 9.39    | 9.25    | 9.76    | 10.8    |
|           |            | 36      | 18        | 9.22    | 9.27    | 9.13    | 10.8    |
|           |            | 36      | 39        | 9.48    | 9.4     | 9.02    | 10.8    |
|           |            | 75      | 0         | 9.41    | 9.39    | 9.17    | 10.8    |
|           | 64QAM      | 1       | 0         | 9.39    | 9.3     | 9.26    | 10.8    |
|           |            | 1       | 38        | 8.92    | 8.95    | 8.97    | 10.8    |
|           |            | 1       | 74        | 9.15    | 9.47    | 9.39    | 10.8    |
|           |            | 36      | 0         | 9.13    | 8.87    | 8.97    | 10.8    |
|           |            | 36      | 18        | 8.97    | 9.02    | 9.13    | 10.8    |
|           |            | 36      | 39        | 9.02    | 8.9     | 9.16    | 10.8    |
|           |            | 75      | 0         | 8.97    | 8.96    | 9.1     | 10.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 9.81    | 9.55    | 9.05    | 10.8    |
|           |            | 1       | 50        | 9.71    | 9.25    | 9.3     | 10.8    |
|           |            | 1       | 99        | 9.66    | 9.81    | 9.87    | 10.8    |
|           |            | 50      | 0         | 9.7     | 9.57    | 9.81    | 10.8    |
|           |            | 50      | 25        | 9.74    | 9.29    | 9.18    | 10.8    |
|           |            | 50      | 50        | 9.42    | 9.33    | 9.12    | 10.8    |
|           |            | 100     | 0         | 9.35    | 9.41    | 9.35    | 10.8    |
|           | 16QAM      | 1       | 0         | 10.51   | 9.84    | 10.04   | 10.8    |
|           |            | 1       | 50        | 10.31   | 9.04    | 9.97    | 10.8    |
|           |            | 1       | 99        | 10.26   | 9.95    | 9.48    | 10.8    |
|           |            | 50      | 0         | 9.68    | 9.46    | 9.78    | 10.8    |
|           |            | 50      | 25        | 9.78    | 9.19    | 9.16    | 10.8    |
|           |            | 50      | 50        | 9.41    | 9.35    | 9.12    | 10.8    |
|           |            | 100     | 0         | 9.37    | 9.36    | 9.35    | 10.8    |
|           | 64QAM      | 1       | 0         | 9.39    | 9.29    | 9.26    | 10.8    |
|           |            | 1       | 50        | 8.96    | 8.87    | 8.95    | 10.8    |
|           |            | 1       | 99        | 9.1     | 9.41    | 9.45    | 10.8    |
|           |            | 50      | 0         | 9.15    | 8.88    | 9.06    | 10.8    |
|           |            | 50      | 25        | 8.96    | 9.04    | 9.07    | 10.8    |

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|  |  |     |    |      |      |      |      |
|--|--|-----|----|------|------|------|------|
|  |  | 50  | 50 | 8.97 | 8.91 | 9.18 | 10.8 |
|  |  | 100 | 0  | 8.98 | 8.97 | 9.1  | 10.8 |

| LTE Band 7 Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz  | QPSK       | 1       | 0         | 12.9                 | 12.66   | 12.53   | 14.3    |
|   |            | 1       | 13        | 12.87                | 13.04   | 12.66   | 14.3    |
|   |            | 1       | 24        | 12.69                | 12.77   | 12.3    | 14.3    |
|   |            | 12      | 0         | 12.89                | 12.84   | 12.67   | 14.3    |
|   |            | 12      | 6         | 12.75                | 12.88   | 12.64   | 14.3    |
|   |            | 12      | 13        | 12.91                | 12.89   | 12.73   | 14.3    |
|   |            | 25      | 0         | 12.87                | 12.86   | 12.56   | 14.3    |
|   | 16QAM      | 1       | 0         | 13.34                | 13.17   | 12.6    | 14.3    |
|   |            | 1       | 13        | 13.08                | 13.24   | 12.88   | 14.3    |
|   |            | 1       | 24        | 13.43                | 12.49   | 12.85   | 14.3    |
|   |            | 12      | 0         | 12.84                | 12.92   | 12.68   | 14.3    |
|   |            | 12      | 6         | 12.89                | 12.85   | 12.59   | 14.3    |
|   |            | 12      | 13        | 12.85                | 12.82   | 12.77   | 14.3    |
|   |            | 25      | 0         | 12.93                | 12.66   | 12.59   | 14.3    |
|   | 64QAM      | 1       | 0         | 12.79                | 12.72   | 12.66   | 14.3    |
|   |            | 1       | 13        | 12.34                | 12.38   | 12.31   | 14.3    |
|   |            | 1       | 24        | 12.69                | 12.84   | 12.85   | 14.3    |
|   |            | 12      | 0         | 12.61                | 12.38   | 12.45   | 14.3    |
|   |            | 12      | 6         | 12.4                 | 12.45   | 12.6    | 14.3    |
|   |            | 12      | 13        | 12.42                | 12.37   | 12.59   | 14.3    |
|   |            | 25      | 0         | 12.4                 | 12.48   | 12.65   | 14.3    |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz   | QPSK       | 1       | 0         | 13.03                | 12.6    | 12.66   | 14.3    |
|   |            | 1       | 25        | 12.89                | 12.49   | 11.98   | 14.3    |
|   |            | 1       | 49        | 12.31                | 12.76   | 12.78   | 14.3    |
|   |            | 25      | 0         | 12.9                 | 12.9    | 12.62   | 14.3    |
|   |            | 25      | 13        | 12.84                | 12.85   | 12.64   | 14.3    |
|   |            | 25      | 25        | 12.86                | 12.83   | 12.64   | 14.3    |
|   |            | 50      | 0         | 12.75                | 12.73   | 12.62   | 14.3    |
|   | 16QAM      | 1       | 0         | 13.91                | 13.19   | 12.83   | 14.3    |
|   |            | 1       | 25        | 12.91                | 13.51   | 12.92   | 14.3    |
|   |            | 1       | 49        | 12.93                | 13.09   | 13.29   | 14.3    |
|   |            | 25      | 0         | 12.81                | 12.66   | 12.57   | 14.3    |
|   |            | 25      | 13        | 12.83                | 12.61   | 12.53   | 14.3    |
|   |            | 25      | 25        | 12.68                | 12.75   | 12.72   | 14.3    |
|   |            | 50      | 0         | 12.85                | 12.72   | 12.5    | 14.3    |
|   | 64QAM      | 1       | 0         | 12.83                | 12.76   | 12.62   | 14.3    |
|   |            | 1       | 25        | 12.39                | 12.34   | 12.32   | 14.3    |

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|           |            | 1       | 49        | 12.67   | 12.88   | 12.9    | 14.3    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 12.61   | 12.35   | 12.44   | 14.3    |
|           |            | 25      | 13        | 12.4    | 12.43   | 12.57   | 14.3    |
|           |            | 25      | 25        | 12.46   | 12.34   | 12.6    | 14.3    |
|           |            | 50      | 0         | 12.45   | 12.48   | 12.62   | 14.3    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 12.81   | 12.88   | 12.81   | 14.3    |
|           |            | 1       | 38        | 13      | 12.74   | 12.86   | 14.3    |
|           |            | 1       | 74        | 13.1    | 13.02   | 12.67   | 14.3    |
|           |            | 36      | 0         | 12.99   | 12.86   | 12.74   | 14.3    |
|           |            | 36      | 18        | 12.99   | 12.82   | 12.8    | 14.3    |
|           |            | 36      | 39        | 12.84   | 12.79   | 12.74   | 14.3    |
|           |            | 75      | 0         | 12.84   | 12.78   | 12.66   | 14.3    |
|           | 16QAM      | 1       | 0         | 12.53   | 13.13   | 12.74   | 14.3    |
|           |            | 1       | 38        | 13.22   | 13.38   | 13.02   | 14.3    |
|           |            | 1       | 74        | 14      | 13.48   | 12.82   | 14.3    |
|           |            | 36      | 0         | 12.79   | 12.7    | 12.64   | 14.3    |
|           |            | 36      | 18        | 12.76   | 12.85   | 12.66   | 14.3    |
|           |            | 36      | 39        | 12.88   | 12.71   | 12.65   | 14.3    |
|           |            | 75      | 0         | 12.8    | 12.73   | 12.58   | 14.3    |
|           | 64QAM      | 1       | 0         | 12.77   | 12.77   | 12.69   | 14.3    |
|           |            | 1       | 38        | 12.35   | 12.32   | 12.37   | 14.3    |
|           |            | 1       | 74        | 12.65   | 12.85   | 12.9    | 14.3    |
|           |            | 36      | 0         | 12.57   | 12.38   | 12.47   | 14.3    |
|           |            | 36      | 18        | 12.43   | 12.47   | 12.57   | 14.3    |
|           |            | 36      | 39        | 12.39   | 12.33   | 12.66   | 14.3    |
|           |            | 75      | 0         | 12.44   | 12.47   | 12.64   | 14.3    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 12.99   | 12.73   | 12.66   | 14.3    |
|           |            | 1       | 50        | 12.37   | 12.51   | 12.12   | 14.3    |
|           |            | 1       | 99        | 12.78   | 12.88   | 12.99   | 14.3    |
|           |            | 50      | 0         | 12.87   | 12.82   | 12.67   | 14.3    |
|           |            | 50      | 25        | 12.88   | 12.7    | 12.67   | 14.3    |
|           |            | 50      | 50        | 12.79   | 12.74   | 12.68   | 14.3    |
|           |            | 100     | 0         | 12.88   | 12.86   | 12.65   | 14.3    |
|           | 16QAM      | 1       | 0         | 13.72   | 13.61   | 13.63   | 14.3    |
|           |            | 1       | 50        | 13.22   | 12.78   | 12.92   | 14.3    |
|           |            | 1       | 99        | 13.57   | 13.22   | 12.81   | 14.3    |
|           |            | 50      | 0         | 12.82   | 12.58   | 12.5    | 14.3    |
|           |            | 50      | 25        | 12.81   | 12.75   | 12.64   | 14.3    |
|           |            | 50      | 50        | 12.84   | 12.7    | 12.68   | 14.3    |
|           |            | 100     | 0         | 12.73   | 12.65   | 12.46   | 14.3    |
|           | 64QAM      | 1       | 0         | 12.78   | 12.76   | 12.69   | 14.3    |
|           |            | 1       | 50        | 12.32   | 12.36   | 12.35   | 14.3    |
|           |            | 1       | 99        | 12.62   | 12.88   | 12.87   | 14.3    |

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|  |  |     |    |       |       |       |      |
|--|--|-----|----|-------|-------|-------|------|
|  |  | 50  | 0  | 12.58 | 12.38 | 12.4  | 14.3 |
|  |  | 50  | 25 | 12.41 | 12.44 | 12.57 | 14.3 |
|  |  | 50  | 50 | 12.41 | 12.35 | 12.69 | 14.3 |
|  |  | 100 | 0  | 12.43 | 12.42 | 12.62 | 14.3 |

| LTE Band 7 Receiver on(Left head) + BT + WiFi5G<br>Ant1/Ant2/MIMO |            |            |              | Conducted Power(dBm) |         |         |         |
|---|------------|------------|--------------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|   |            |            |              | 20775                | 21100   | 21425   |         |
| 5MHz  | QPSK       | 1          | 0            | 10.24                | 10.13   | 10.16   | 11.8    |
|   |            | 1          | 13           | 10.34                | 10.33   | 10.2    | 11.8    |
|   |            | 1          | 24           | 10.43                | 9.84    | 9.98    | 11.8    |
|   |            | 12         | 0            | 10.36                | 10.3    | 10.13   | 11.8    |
|   |            | 12         | 6            | 10.35                | 10.22   | 10.15   | 11.8    |
|   |            | 12         | 13           | 10.46                | 10.25   | 10.01   | 11.8    |
|   |            | 25         | 0            | 10.39                | 10.2    | 10.01   | 11.8    |
|   | 16QAM      | 1          | 0            | 10.64                | 10.73   | 10.62   | 11.8    |
|   |            | 1          | 13           | 10.98                | 10.72   | 10.45   | 11.8    |
|   |            | 1          | 24           | 10.74                | 11.19   | 10.67   | 11.8    |
|   |            | 12         | 0            | 10.42                | 10.27   | 10.1    | 11.8    |
|   |            | 12         | 6            | 10.16                | 10.19   | 10.1    | 11.8    |
|   |            | 12         | 13           | 10.27                | 10.34   | 10.27   | 11.8    |
|   |            | 25         | 0            | 10.26                | 10.25   | 10.13   | 11.8    |
|   | 64QAM      | 1          | 0            | 10.45                | 10.28   | 10.4    | 11.8    |
|   |            | 1          | 13           | 9.85                 | 10.02   | 9.8     | 11.8    |
|   |            | 1          | 24           | 10.35                | 10.39   | 10.52   | 11.8    |
|   |            | 12         | 0            | 10.25                | 9.99    | 10.13   | 11.8    |
|   |            | 12         | 6            | 10                   | 10.11   | 10.06   | 11.8    |
|   |            | 12         | 13           | 10.08                | 9.97    | 10.28   | 11.8    |
|   |            | 25         | 0            | 10.05                | 10.15   | 10.23   | 11.8    |
| Bandwidth   | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|   |            |            |              | 20800                | 21100   | 21400   |         |
| 10MHz   | QPSK       | 1          | 0            | 10.2                 | 10.28   | 10.25   | 11.8    |
|   |            | 1          | 25           | 9.94                 | 10.34   | 9.96    | 11.8    |
|   |            | 1          | 49           | 10.3                 | 9.89    | 10.01   | 11.8    |
|   |            | 25         | 0            | 10.25                | 10.37   | 10.21   | 11.8    |
|   |            | 25         | 13           | 10.37                | 10.23   | 10.2    | 11.8    |
|   |            | 25         | 25           | 10.32                | 10.37   | 10.25   | 11.8    |
|   |            | 50         | 0            | 10.35                | 10.26   | 10.21   | 11.8    |
|   | 16QAM      | 1          | 0            | 10.64                | 10.54   | 10.24   | 11.8    |
|   |            | 1          | 25           | 11                   | 10.3    | 10.36   | 11.8    |
|   |            | 1          | 49           | 10.51                | 10.28   | 10.64   | 11.8    |
|   |            | 25         | 0            | 10.38                | 10.09   | 10.01   | 11.8    |
|   |            | 25         | 13           | 10.24                | 10.18   | 10.03   | 11.8    |
|   |            | 25         | 25           | 10.3                 | 10.22   | 10.01   | 11.8    |
|   |            | 50         | 0            | 10.33                | 10.16   | 10.09   | 11.8    |

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|           | 64QAM      | 1       | 0         | 10.45         | 10.4          | 10.36         | 11.8    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 25        | 9.78          | 10.04         | 9.85          | 11.8    |
|           |            | 1       | 49        | 10.32         | 10.36         | 10.49         | 11.8    |
|           |            | 25      | 0         | 10.19         | 10.05         | 10.15         | 11.8    |
|           |            | 25      | 13        | 10            | 10.07         | 10.05         | 11.8    |
|           |            | 25      | 25        | 10.07         | 10.03         | 10.22         | 11.8    |
|           |            | 50      | 0         | 10.04         | 10.07         | 10.13         | 11.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20825 | Channel 21100 | Channel 21375 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 10.34         | 10.26         | 10.07         | 11.8    |
|           |            | 1       | 38        | 10.57         | 10.31         | 10.22         | 11.8    |
|           |            | 1       | 74        | 10.49         | 9.96          | 9.8           | 11.8    |
|           |            | 36      | 0         | 10.38         | 10.3          | 10.21         | 11.8    |
|           |            | 36      | 18        | 10.33         | 10.29         | 10.2          | 11.8    |
|           |            | 36      | 39        | 10.33         | 10.28         | 10.19         | 11.8    |
|           |            | 75      | 0         | 10.24         | 10.39         | 10.21         | 11.8    |
|           | 16QAM      | 1       | 0         | 10.85         | 10.37         | 10.35         | 11.8    |
|           |            | 1       | 38        | 11.2          | 11.04         | 10.48         | 11.8    |
|           |            | 1       | 74        | 10.48         | 10.72         | 10.46         | 11.8    |
|           |            | 36      | 0         | 10.23         | 10.34         | 10.07         | 11.8    |
|           |            | 36      | 18        | 10.39         | 10.38         | 10.07         | 11.8    |
|           |            | 36      | 39        | 10.2          | 10.37         | 10.12         | 11.8    |
|           |            | 75      | 0         | 10.26         | 10.26         | 10.02         | 11.8    |
|           | 64QAM      | 1       | 0         | 10.41         | 10.34         | 10.29         | 11.8    |
|           |            | 1       | 38        | 9.86          | 9.96          | 9.87          | 11.8    |
|           |            | 1       | 74        | 10.2          | 10.47         | 10.47         | 11.8    |
|           |            | 36      | 0         | 10.23         | 9.95          | 10.07         | 11.8    |
|           |            | 36      | 18        | 10.03         | 10.05         | 10.15         | 11.8    |
|           |            | 36      | 39        | 10.04         | 9.97          | 10.21         | 11.8    |
|           |            | 75      | 0         | 10.01         | 10.02         | 10.17         | 11.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20850 | Channel 21100 | Channel 21350 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 10.36         | 10.32         | 10.49         | 11.8    |
|           |            | 1       | 50        | 9.85          | 9.74          | 10.3          | 11.8    |
|           |            | 1       | 99        | 10.49         | 10.32         | 10.24         | 11.8    |
|           |            | 50      | 0         | 10.36         | 10.33         | 10.17         | 11.8    |
|           |            | 50      | 25        | 10.26         | 10.38         | 10.15         | 11.8    |
|           |            | 50      | 50        | 10.29         | 10.27         | 10.22         | 11.8    |
|           |            | 100     | 0         | 10.46         | 10.32         | 10.22         | 11.8    |
|           | 16QAM      | 1       | 0         | 10.96         | 10.7          | 10.91         | 11.8    |
|           |            | 1       | 50        | 10.8          | 10.52         | 10.81         | 11.8    |
|           |            | 1       | 99        | 10.72         | 10.92         | 11.01         | 11.8    |
|           |            | 50      | 0         | 10.38         | 10.22         | 10.2          | 11.8    |
|           |            | 50      | 25        | 10.27         | 10.26         | 10.01         | 11.8    |
|           |            | 50      | 50        | 10.25         | 10.16         | 10.07         | 11.8    |
|           |            | 100     | 0         | 10.2          | 10.31         | 10.05         | 11.8    |
|           | 64QAM      | 1       | 0         | 10.41         | 10.34         | 10.29         | 11.8    |

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|  |  |     |    |       |       |       |      |
|--|--|-----|----|-------|-------|-------|------|
|  |  | 1   | 50 | 9.96  | 9.96  | 9.97  | 11.8 |
|  |  | 1   | 99 | 10.2  | 10.47 | 10.47 | 11.8 |
|  |  | 50  | 0  | 10.23 | 9.95  | 10.07 | 11.8 |
|  |  | 50  | 25 | 10.03 | 10.05 | 10.15 | 11.8 |
|  |  | 50  | 50 | 10.04 | 9.97  | 10.21 | 11.8 |
|  |  | 100 | 0  | 10.01 | 10.02 | 10.17 | 11.8 |

| LTE Band 7 Receiver on(Right head) + BT +<br>WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |                  |                  |         |
|--|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel<br>20775     | Channel<br>21100 | Channel<br>21425 | Tune up |
| 5MHz   | QPSK       | 1       | 0         | 9.92                 | 9.24             | 8.98             | 10.8    |
|  |            | 1       | 13        | 9.31                 | 9.26             | 8.76             | 10.8    |
|  |            | 1       | 24        | 9.22                 | 8.91             | 8.8              | 10.8    |
|  |            | 12      | 0         | 9.64                 | 9.24             | 9.01             | 10.8    |
|  |            | 12      | 6         | 9.35                 | 9.12             | 8.93             | 10.8    |
|  |            | 12      | 13        | 9.15                 | 9.2              | 8.7              | 10.8    |
|  |            | 25      | 0         | 9.33                 | 9.23             | 8.86             | 10.8    |
|  | 16QAM      | 1       | 0         | 10.19                | 9.7              | 9.37             | 10.8    |
|  |            | 1       | 13        | 10.11                | 9.48             | 9.26             | 10.8    |
|  |            | 1       | 24        | 9.79                 | 9.7              | 9.09             | 10.8    |
|  |            | 12      | 0         | 9.47                 | 9.21             | 9.21             | 10.8    |
|  |            | 12      | 6         | 9.48                 | 9.23             | 9                | 10.8    |
|  |            | 12      | 13        | 9.37                 | 9.1              | 8.62             | 10.8    |
|  |            | 25      | 0         | 9.39                 | 9.07             | 8.83             | 10.8    |
|  | 64QAM      | 1       | 0         | 9.37                 | 9.28             | 9.19             | 10.8    |
|  |            | 1       | 13        | 8.91                 | 8.91             | 8.88             | 10.8    |
|  |            | 1       | 24        | 9.19                 | 9.41             | 9.42             | 10.8    |
|  |            | 12      | 0         | 9.14                 | 8.92             | 8.99             | 10.8    |
|  |            | 12      | 6         | 8.99                 | 9.01             | 9.13             | 10.8    |
|  |            | 12      | 13        | 8.98                 | 8.88             | 9.19             | 10.8    |
|  |            | 25      | 0         | 8.98                 | 8.99             | 9.17             | 10.8    |
| Bandwidth  | Modulation | RB size | RB offset | Channel<br>20800     | Channel<br>21100 | Channel<br>21400 | Tune up |
| 10MHz  | QPSK       | 1       | 0         | 9.83                 | 9.36             | 9.87             | 10.8    |
|  |            | 1       | 25        | 9.38                 | 9.23             | 9                | 10.8    |
|  |            | 1       | 49        | 9.03                 | 9.01             | 8.53             | 10.8    |
|  |            | 25      | 0         | 9.48                 | 9.57             | 9.36             | 10.8    |
|  |            | 25      | 13        | 9.37                 | 9.12             | 9.09             | 10.8    |
|  |            | 25      | 25        | 9.07                 | 9                | 8.84             | 10.8    |
|  |            | 50      | 0         | 9.19                 | 9.18             | 9.09             | 10.8    |
|  | 16QAM      | 1       | 0         | 10.55                | 9.77             | 10.12            | 10.8    |
|  |            | 1       | 25        | 9.73                 | 9.76             | 9.67             | 10.8    |
|  |            | 1       | 49        | 9.46                 | 9.36             | 8.55             | 10.8    |
|  |            | 25      | 0         | 9.45                 | 9.49             | 9.4              | 10.8    |
|  |            | 25      | 13        | 9.4                  | 9.09             | 9.16             | 10.8    |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 64QAM      | 25      | 25        | 9.15    | 9.02    | 8.92    | 10.8    |
|           |            | 50      | 0         | 9.18    | 9.17    | 9.02    | 10.8    |
|           |            | 1       | 0         | 9.34    | 9.29    | 9.26    | 10.8    |
|           |            | 1       | 25        | 8.91    | 8.87    | 8.97    | 10.8    |
|           |            | 1       | 49        | 9.13    | 9.45    | 9.4     | 10.8    |
|           |            | 25      | 0         | 9.19    | 8.95    | 9.05    | 10.8    |
|           |            | 25      | 13        | 9       | 9.01    | 9.13    | 10.8    |
|           |            | 25      | 25        | 9       | 8.88    | 9.18    | 10.8    |
|           | 64QAM      | 50      | 0         | 8.98    | 8.93    | 9.11    | 10.8    |
|           |            | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 9.72    | 9.48    | 9.98    | 10.8    |
|           |            | 1       | 38        | 9.24    | 9.32    | 9.21    | 10.8    |
|           |            | 1       | 74        | 9.41    | 9.26    | 8.81    | 10.8    |
|           |            | 36      | 0         | 9.29    | 9.34    | 9.74    | 10.8    |
|           |            | 36      | 18        | 9.19    | 9.31    | 9.14    | 10.8    |
|           |            | 36      | 39        | 9.4     | 9.38    | 8.93    | 10.8    |
|           |            | 75      | 0         | 9.35    | 9.34    | 9.13    | 10.8    |
|           |            | 1       | 0         | 10.61   | 10.03   | 10.71   | 10.8    |
|           | 16QAM      | 1       | 38        | 9.58    | 9.96    | 9.94    | 10.8    |
|           |            | 1       | 74        | 9.94    | 9.67    | 9.23    | 10.8    |
|           |            | 36      | 0         | 9.39    | 9.25    | 9.76    | 10.8    |
|           |            | 36      | 18        | 9.22    | 9.27    | 9.13    | 10.8    |
|           |            | 36      | 39        | 9.48    | 9.4     | 9.02    | 10.8    |
|           |            | 75      | 0         | 9.41    | 9.39    | 9.17    | 10.8    |
|           |            | 1       | 0         | 9.39    | 9.3     | 9.26    | 10.8    |
|           |            | 1       | 38        | 8.92    | 8.95    | 8.97    | 10.8    |
|           | 64QAM      | 1       | 74        | 9.15    | 9.47    | 9.39    | 10.8    |
|           |            | 36      | 0         | 9.13    | 8.87    | 8.97    | 10.8    |
|           |            | 36      | 18        | 8.97    | 9.02    | 9.13    | 10.8    |
|           |            | 36      | 39        | 9.02    | 8.9     | 9.16    | 10.8    |
|           |            | 75      | 0         | 8.97    | 8.96    | 9.1     | 10.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 9.81    | 9.55    | 9.05    | 10.8    |
|           |            | 1       | 50        | 9.71    | 9.25    | 9.3     | 10.8    |
|           |            | 1       | 99        | 9.66    | 9.81    | 9.87    | 10.8    |
|           |            | 50      | 0         | 9.7     | 9.57    | 9.81    | 10.8    |
|           |            | 50      | 25        | 9.74    | 9.29    | 9.18    | 10.8    |
|           |            | 50      | 50        | 9.42    | 9.33    | 9.12    | 10.8    |
|           |            | 100     | 0         | 9.35    | 9.41    | 9.35    | 10.8    |
|           |            | 1       | 0         | 10.51   | 9.84    | 10.04   | 10.8    |
|           | 16QAM      | 1       | 50        | 10.31   | 9.04    | 9.97    | 10.8    |
|           |            | 1       | 99        | 10.26   | 9.95    | 9.48    | 10.8    |
|           |            | 50      | 0         | 9.68    | 9.46    | 9.78    | 10.8    |
|           |            | 50      | 25        | 9.78    | 9.19    | 9.16    | 10.8    |
|           |            | 50      | 50        | 9.41    | 9.35    | 9.12    | 10.8    |

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|  |       |     |    |      |      |      |      |
|--|-------|-----|----|------|------|------|------|
|  | 64QAM | 100 | 0  | 9.37 | 9.36 | 9.35 | 10.8 |
|  |       | 1   | 0  | 9.39 | 9.29 | 9.26 | 10.8 |
|  |       | 1   | 50 | 8.96 | 8.87 | 8.95 | 10.8 |
|  |       | 1   | 99 | 9.1  | 9.41 | 9.45 | 10.8 |
|  |       | 50  | 0  | 9.15 | 8.88 | 9.06 | 10.8 |
|  |       | 50  | 25 | 8.96 | 9.04 | 9.07 | 10.8 |
|  |       | 50  | 50 | 8.97 | 8.91 | 9.18 | 10.8 |
|  |       | 100 | 0  | 8.98 | 8.97 | 9.1  | 10.8 |

| LTE Band 7 Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |               |               |         |
|--|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel 20775        | Channel 21100 | Channel 21425 | Tune up |
| 5MHz   | QPSK       | 1       | 0         | 12.9                 | 12.66         | 12.53         | 14.3    |
|  |            | 1       | 13        | 12.87                | 13.04         | 12.66         | 14.3    |
|  |            | 1       | 24        | 12.69                | 12.77         | 12.3          | 14.3    |
|  |            | 12      | 0         | 12.89                | 12.84         | 12.67         | 14.3    |
|  |            | 12      | 6         | 12.75                | 12.88         | 12.64         | 14.3    |
|  |            | 12      | 13        | 12.91                | 12.89         | 12.73         | 14.3    |
|  |            | 25      | 0         | 12.87                | 12.86         | 12.56         | 14.3    |
|  | 16QAM      | 1       | 0         | 13.34                | 13.17         | 12.6          | 14.3    |
|  |            | 1       | 13        | 13.08                | 13.24         | 12.88         | 14.3    |
|  |            | 1       | 24        | 13.43                | 12.49         | 12.85         | 14.3    |
|  |            | 12      | 0         | 12.84                | 12.92         | 12.68         | 14.3    |
|  |            | 12      | 6         | 12.89                | 12.85         | 12.59         | 14.3    |
|  |            | 12      | 13        | 12.85                | 12.82         | 12.77         | 14.3    |
|  |            | 25      | 0         | 12.93                | 12.66         | 12.59         | 14.3    |
|  | 64QAM      | 1       | 0         | 12.79                | 12.72         | 12.66         | 14.3    |
|  |            | 1       | 13        | 12.34                | 12.38         | 12.31         | 14.3    |
|  |            | 1       | 24        | 12.69                | 12.84         | 12.85         | 14.3    |
|  |            | 12      | 0         | 12.61                | 12.38         | 12.45         | 14.3    |
|  |            | 12      | 6         | 12.4                 | 12.45         | 12.6          | 14.3    |
|  |            | 12      | 13        | 12.42                | 12.37         | 12.59         | 14.3    |
|  |            | 25      | 0         | 12.4                 | 12.48         | 12.65         | 14.3    |
| Bandwidth  | Modulation | RB size | RB offset | Channel 20800        | Channel 21100 | Channel 21400 | Tune up |
| 10MHz  | QPSK       | 1       | 0         | 13.03                | 12.6          | 12.66         | 14.3    |
|  |            | 1       | 25        | 12.89                | 12.49         | 11.98         | 14.3    |
|  |            | 1       | 49        | 12.31                | 12.76         | 12.78         | 14.3    |
|  |            | 25      | 0         | 12.9                 | 12.9          | 12.62         | 14.3    |
|  |            | 25      | 13        | 12.84                | 12.85         | 12.64         | 14.3    |
|  |            | 25      | 25        | 12.86                | 12.83         | 12.64         | 14.3    |
|  |            | 50      | 0         | 12.75                | 12.73         | 12.62         | 14.3    |
|  | 16QAM      | 1       | 0         | 13.91                | 13.19         | 12.83         | 14.3    |
|  |            | 1       | 25        | 12.91                | 13.51         | 12.92         | 14.3    |
|  |            | 1       | 49        | 12.93                | 13.09         | 13.29         | 14.3    |

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|           |            | 25      | 0         | 12.81   | 12.66   | 12.57   | 14.3    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 13        | 12.83   | 12.61   | 12.53   | 14.3    |
|           |            | 25      | 25        | 12.68   | 12.75   | 12.72   | 14.3    |
|           |            | 50      | 0         | 12.85   | 12.72   | 12.5    | 14.3    |
|           | 64QAM      | 1       | 0         | 12.83   | 12.76   | 12.62   | 14.3    |
|           |            | 1       | 25        | 12.39   | 12.34   | 12.32   | 14.3    |
|           |            | 1       | 49        | 12.67   | 12.88   | 12.9    | 14.3    |
|           |            | 25      | 0         | 12.61   | 12.35   | 12.44   | 14.3    |
|           |            | 25      | 13        | 12.4    | 12.43   | 12.57   | 14.3    |
|           |            | 25      | 25        | 12.46   | 12.34   | 12.6    | 14.3    |
|           |            | 50      | 0         | 12.45   | 12.48   | 12.62   | 14.3    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 12.81   | 12.88   | 12.81   | 14.3    |
|           |            | 1       | 38        | 13      | 12.74   | 12.86   | 14.3    |
|           |            | 1       | 74        | 13.1    | 13.02   | 12.67   | 14.3    |
|           |            | 36      | 0         | 12.99   | 12.86   | 12.74   | 14.3    |
|           |            | 36      | 18        | 12.99   | 12.82   | 12.8    | 14.3    |
|           |            | 36      | 39        | 12.84   | 12.79   | 12.74   | 14.3    |
|           |            | 75      | 0         | 12.84   | 12.78   | 12.66   | 14.3    |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 12.53   | 13.13   | 12.74   | 14.3    |
|           |            | 1       | 38        | 13.22   | 13.38   | 13.02   | 14.3    |
|           |            | 1       | 74        | 14      | 13.48   | 12.82   | 14.3    |
|           |            | 36      | 0         | 12.79   | 12.7    | 12.64   | 14.3    |
|           |            | 36      | 18        | 12.76   | 12.85   | 12.66   | 14.3    |
|           |            | 36      | 39        | 12.88   | 12.71   | 12.65   | 14.3    |
|           |            | 75      | 0         | 12.8    | 12.73   | 12.58   | 14.3    |
|           |            |         |           |         |         |         |         |
|           | 64QAM      | 1       | 0         | 12.77   | 12.77   | 12.69   | 14.3    |
|           |            | 1       | 38        | 12.35   | 12.32   | 12.37   | 14.3    |
|           |            | 1       | 74        | 12.65   | 12.85   | 12.9    | 14.3    |
|           |            | 36      | 0         | 12.57   | 12.38   | 12.47   | 14.3    |
|           |            | 36      | 18        | 12.43   | 12.47   | 12.57   | 14.3    |
|           |            | 36      | 39        | 12.39   | 12.33   | 12.66   | 14.3    |
|           |            | 75      | 0         | 12.44   | 12.47   | 12.64   | 14.3    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 12.99   | 12.73   | 12.66   | 14.3    |
|           |            | 1       | 50        | 12.37   | 12.51   | 12.12   | 14.3    |
|           |            | 1       | 99        | 12.78   | 12.88   | 12.99   | 14.3    |
|           |            | 50      | 0         | 12.87   | 12.82   | 12.67   | 14.3    |
|           |            | 50      | 25        | 12.88   | 12.7    | 12.67   | 14.3    |
|           |            | 50      | 50        | 12.79   | 12.74   | 12.68   | 14.3    |
|           |            | 100     | 0         | 12.88   | 12.86   | 12.65   | 14.3    |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 13.72   | 13.61   | 13.63   | 14.3    |
|           |            | 1       | 50        | 13.22   | 12.78   | 12.92   | 14.3    |
|           |            | 1       | 99        | 13.57   | 13.22   | 12.81   | 14.3    |
|           |            |         |           |         |         |         |         |
|           |            | 50      | 0         | 12.82   | 12.58   | 12.5    | 14.3    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 50  | 25 | 12.81 | 12.75 | 12.64 | 14.3 |
|  |       | 50  | 50 | 12.84 | 12.7  | 12.68 | 14.3 |
|  |       | 100 | 0  | 12.73 | 12.65 | 12.46 | 14.3 |
|  | 64QAM | 1   | 0  | 12.78 | 12.76 | 12.69 | 14.3 |
|  |       | 1   | 50 | 12.32 | 12.36 | 12.35 | 14.3 |
|  |       | 1   | 99 | 12.62 | 12.88 | 12.87 | 14.3 |
|  |       | 50  | 0  | 12.58 | 12.38 | 12.4  | 14.3 |
|  |       | 50  | 25 | 12.41 | 12.44 | 12.57 | 14.3 |
|  |       | 50  | 50 | 12.41 | 12.35 | 12.69 | 14.3 |
|  |       | 100 | 0  | 12.43 | 12.42 | 12.62 | 14.3 |

| LTE Band 7 Receiver on(Left head) + WiFi2.4G<br>Ant1 + WiFi5G Ant2 |            |            |              | Conducted Power(dBm) |         |         |         |
|--|------------|------------|--------------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|  |            |            |              | 20775                | 21100   | 21425   |         |
| 5MHz   | QPSK       | 1          | 0            | 12.55                | 12.27   | 12.01   | 13.8    |
|  |            | 1          | 13           | 12.26                | 12.4    | 12.05   | 13.8    |
|  |            | 1          | 24           | 12.57                | 12.4    | 11.99   | 13.8    |
|  |            | 12         | 0            | 12.35                | 12.31   | 12.08   | 13.8    |
|  |            | 12         | 6            | 12.27                | 12.24   | 12.15   | 13.8    |
|  |            | 12         | 13           | 12.42                | 12.32   | 12.15   | 13.8    |
|  |            | 25         | 0            | 12.3                 | 12.21   | 12.12   | 13.8    |
|  | 16QAM      | 1          | 0            | 12.95                | 12.41   | 12.7    | 13.8    |
|  |            | 1          | 13           | 12.84                | 13.05   | 12.55   | 13.8    |
|  |            | 1          | 24           | 12.68                | 12.08   | 12.88   | 13.8    |
|  |            | 12         | 0            | 12.23                | 12.07   | 12.19   | 13.8    |
|  |            | 12         | 6            | 12.37                | 12.34   | 12.08   | 13.8    |
|  |            | 12         | 13           | 12.57                | 12.37   | 12.13   | 13.8    |
|  |            | 25         | 0            | 12.29                | 12.26   | 12.11   | 13.8    |
|  | 64QAM      | 1          | 0            | 12.45                | 12.38   | 12.4    | 13.8    |
|  |            | 1          | 13           | 11.86                | 12.02   | 11.89   | 13.8    |
|  |            | 1          | 24           | 12.45                | 12.49   | 12.63   | 13.8    |
|  |            | 12         | 0            | 12.24                | 12.07   | 12.11   | 13.8    |
|  |            | 12         | 6            | 12.14                | 12.11   | 12.03   | 13.8    |
|  |            | 12         | 13           | 12.06                | 11.99   | 12.23   | 13.8    |
|  |            | 25         | 0            | 12.05                | 12.09   | 12.27   | 13.8    |
| Bandwidth  | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|  |            |            |              | 20800                | 21100   | 21400   |         |
| 10MHz  | QPSK       | 1          | 0            | 12.36                | 12.21   | 12.12   | 13.8    |
|  |            | 1          | 25           | 11.8                 | 12.1    | 12      | 13.8    |
|  |            | 1          | 49           | 12.65                | 12.22   | 12.06   | 13.8    |
|  |            | 25         | 0            | 12.35                | 12.25   | 12.09   | 13.8    |
|  |            | 25         | 13           | 12.39                | 12.42   | 12.17   | 13.8    |
|  |            | 25         | 25           | 12.34                | 12.31   | 12.19   | 13.8    |
|  |            | 50         | 0            | 12.35                | 12.29   | 12.08   | 13.8    |
|  | 16QAM      | 1          | 0            | 12.49                | 11.99   | 12.56   | 13.8    |

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|           |            | 1       | 25        | 12.94   | 12.55   | 12.19   | 13.8    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 49        | 12.4    | 13.26   | 12.5    | 13.8    |
|           |            | 25      | 0         | 12.15   | 12.16   | 12.06   | 13.8    |
|           |            | 25      | 13        | 12.09   | 12.23   | 11.89   | 13.8    |
|           |            | 25      | 25        | 12.33   | 12.21   | 12.02   | 13.8    |
|           |            | 50      | 0         | 12.07   | 12.13   | 12.06   | 13.8    |
|           | 64QAM      | 1       | 0         | 12.42   | 12.4    | 12.39   | 13.8    |
|           |            | 1       | 25        | 11.88   | 11.99   | 11.92   | 13.8    |
|           |            | 1       | 49        | 12.41   | 12.46   | 12.59   | 13.8    |
|           |            | 25      | 0         | 12.25   | 12.14   | 12.11   | 13.8    |
|           |            | 25      | 13        | 12.13   | 12.1    | 12.09   | 13.8    |
|           |            | 25      | 25        | 11.97   | 12      | 12.14   | 13.8    |
|           |            | 50      | 0         | 12.1    | 12.01   | 12.17   | 13.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 12.15   | 12.13   | 12.11   | 13.8    |
|           |            | 1       | 38        | 11.95   | 12.25   | 12.07   | 13.8    |
|           |            | 1       | 74        | 12.02   | 12.27   | 12.19   | 13.8    |
|           |            | 36      | 0         | 12.37   | 12.26   | 12.18   | 13.8    |
|           |            | 36      | 18        | 12.23   | 12.23   | 12.09   | 13.8    |
|           |            | 36      | 39        | 12.34   | 12.31   | 12.25   | 13.8    |
|           |            | 75      | 0         | 12.28   | 12.26   | 12.07   | 13.8    |
|           | 16QAM      | 1       | 0         | 12.38   | 12.33   | 12.1    | 13.8    |
|           |            | 1       | 38        | 12.61   | 12.45   | 12.43   | 13.8    |
|           |            | 1       | 74        | 13      | 12.64   | 12.6    | 13.8    |
|           |            | 36      | 0         | 12.29   | 12.3    | 12.17   | 13.8    |
|           |            | 36      | 18        | 12.29   | 12.21   | 12.09   | 13.8    |
|           |            | 36      | 39        | 12.2    | 12.26   | 12.16   | 13.8    |
|           |            | 75      | 0         | 12.25   | 12.27   | 12.08   | 13.8    |
|           | 64QAM      | 1       | 0         | 12.41   | 12.47   | 12.34   | 13.8    |
|           |            | 1       | 38        | 11.87   | 12      | 11.85   | 13.8    |
|           |            | 1       | 74        | 12.42   | 12.49   | 12.54   | 13.8    |
|           |            | 36      | 0         | 12.33   | 12.09   | 12.11   | 13.8    |
|           |            | 36      | 18        | 12.08   | 12.1    | 12.09   | 13.8    |
|           |            | 36      | 39        | 11.97   | 11.98   | 12.14   | 13.8    |
|           |            | 75      | 0         | 12.06   | 12.04   | 12.21   | 13.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 12.36   | 12.44   | 11.99   | 13.8    |
|           |            | 1       | 50        | 11.36   | 12.24   | 12      | 13.8    |
|           |            | 1       | 99        | 12.27   | 12.19   | 11.98   | 13.8    |
|           |            | 50      | 0         | 12.27   | 12.27   | 12.23   | 13.8    |
|           |            | 50      | 25        | 12.35   | 12.21   | 12.12   | 13.8    |
|           |            | 50      | 50        | 12.31   | 12.32   | 12.25   | 13.8    |
|           |            | 100     | 0         | 12.39   | 12.34   | 12.18   | 13.8    |
|           | 16QAM      | 1       | 0         | 12.93   | 12.73   | 12.89   | 13.8    |
|           |            | 1       | 50        | 12.93   | 12.66   | 12.49   | 13.8    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 1   | 99 | 12.7  | 12.93 | 12.46 | 13.8 |
|  |       | 50  | 0  | 12.26 | 12.25 | 12.14 | 13.8 |
|  |       | 50  | 25 | 12.4  | 12.09 | 11.99 | 13.8 |
|  |       | 50  | 50 | 12.28 | 12.31 | 12.23 | 13.8 |
|  |       | 100 | 0  | 12.24 | 12.3  | 12.02 | 13.8 |
|  | 64QAM | 1   | 0  | 12.42 | 12.37 | 12.37 | 13.8 |
|  |       | 1   | 50 | 11.81 | 12.03 | 11.87 | 13.8 |
|  |       | 1   | 99 | 12.41 | 12.42 | 12.61 | 13.8 |
|  |       | 50  | 0  | 12.27 | 12.14 | 12.14 | 13.8 |
|  |       | 50  | 25 | 12.06 | 12.1  | 12.1  | 13.8 |
|  |       | 50  | 50 | 12    | 12.01 | 12.23 | 13.8 |
|  |       | 100 | 0  | 12.04 | 12.09 | 12.17 | 13.8 |

| LTE Band 7 Receiver on(Right head) + WiFi2.4G<br>Ant1 + WiFi5G Ant2 |            |            |              | Conducted Power(dBm) |         |         |         |
|---|------------|------------|--------------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|   |            |            |              | 20775                | 21100   | 21425   |         |
| 5MHz  | QPSK       | 1          | 0            | 11.25                | 11.37   | 10.92   | 12.8    |
|   |            | 1          | 13           | 11.27                | 11.3    | 10.99   | 12.8    |
|   |            | 1          | 24           | 11.32                | 11.26   | 11.2    | 12.8    |
|   |            | 12         | 0            | 11.32                | 11.38   | 11.25   | 12.8    |
|   |            | 12         | 6            | 11.11                | 11.22   | 11.17   | 12.8    |
|   |            | 12         | 13           | 11.34                | 11.34   | 11.14   | 12.8    |
|   |            | 25         | 0            | 11.28                | 11.33   | 11.07   | 12.8    |
|   | 16QAM      | 1          | 0            | 11.33                | 11.18   | 11.27   | 12.8    |
|   |            | 1          | 13           | 12.04                | 11.91   | 11.53   | 12.8    |
|   |            | 1          | 24           | 11.44                | 11.24   | 11.2    | 12.8    |
|   |            | 12         | 0            | 11.47                | 11.22   | 11.26   | 12.8    |
|   |            | 12         | 6            | 11.27                | 11.03   | 11.14   | 12.8    |
|   |            | 12         | 13           | 11.23                | 11.29   | 11.05   | 12.8    |
|   |            | 25         | 0            | 11.28                | 11.2    | 11.06   | 12.8    |
|   | 64QAM      | 1          | 0            | 11.4                 | 11.27   | 11.27   | 12.8    |
|   |            | 1          | 13           | 10.7                 | 10.91   | 10.84   | 12.8    |
|   |            | 1          | 24           | 11.23                | 11.43   | 11.41   | 12.8    |
|   |            | 12         | 0            | 11.12                | 10.9    | 10.98   | 12.8    |
|   |            | 12         | 6            | 10.97                | 10.96   | 11.04   | 12.8    |
|   |            | 12         | 13           | 10.9                 | 10.92   | 11.18   | 12.8    |
|   |            | 25         | 0            | 10.9                 | 11.01   | 11.15   | 12.8    |
| Bandwidth   | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|   |            |            |              | 20800                | 21100   | 21400   |         |
| 10MHz   | QPSK       | 1          | 0            | 11.4                 | 11.24   | 11.3    | 12.8    |
|   |            | 1          | 25           | 11.12                | 11.41   | 10.62   | 12.8    |
|   |            | 1          | 49           | 11.28                | 10.97   | 10.93   | 12.8    |
|   |            | 25         | 0            | 11.35                | 11.31   | 11.16   | 12.8    |
|   |            | 25         | 13           | 11.27                | 11.4    | 11.08   | 12.8    |
|   |            | 25         | 25           | 11.32                | 11.26   | 11.04   | 12.8    |

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|           | 16QAM      | 50      | 0         | 11.36         | 11.33         | 11.23         | 12.8    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 11.69         | 11.2          | 11.37         | 12.8    |
|           |            | 1       | 25        | 11.5          | 11.45         | 10.69         | 12.8    |
|           |            | 1       | 49        | 11.86         | 11.64         | 11.5          | 12.8    |
|           |            | 25      | 0         | 11.22         | 11.09         | 11.06         | 12.8    |
|           |            | 25      | 13        | 11.32         | 11.24         | 11.03         | 12.8    |
|           |            | 25      | 25        | 11.38         | 11.14         | 11.04         | 12.8    |
|           |            | 50      | 0         | 11.07         | 11.32         | 10.94         | 12.8    |
|           | 64QAM      | 1       | 0         | 11.35         | 11.29         | 11.24         | 12.8    |
|           |            | 1       | 25        | 10.75         | 10.89         | 10.82         | 12.8    |
|           |            | 1       | 49        | 11.23         | 11.33         | 11.47         | 12.8    |
|           |            | 25      | 0         | 11.1          | 10.92         | 11.03         | 12.8    |
|           |            | 25      | 13        | 11.01         | 11.02         | 11.04         | 12.8    |
|           |            | 25      | 25        | 10.94         | 10.94         | 11.17         | 12.8    |
|           |            | 50      | 0         | 10.93         | 11.03         | 11.11         | 12.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20825 | Channel 21100 | Channel 21375 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 11.25         | 11.15         | 10.84         | 12.8    |
|           |            | 1       | 38        | 11.33         | 10.96         | 11.12         | 12.8    |
|           |            | 1       | 74        | 11.24         | 11.1          | 11.24         | 12.8    |
|           |            | 36      | 0         | 11.4          | 11.38         | 11.06         | 12.8    |
|           |            | 36      | 18        | 11.39         | 11.33         | 11.15         | 12.8    |
|           |            | 36      | 39        | 11.41         | 11.32         | 11.15         | 12.8    |
|           |            | 75      | 0         | 11.28         | 11.28         | 11.19         | 12.8    |
|           | 16QAM      | 1       | 0         | 11.67         | 11.56         | 11.54         | 12.8    |
|           |            | 1       | 38        | 11.17         | 11.38         | 11.03         | 12.8    |
|           |            | 1       | 74        | 11.52         | 11.89         | 11.45         | 12.8    |
|           |            | 36      | 0         | 11.27         | 11.22         | 10.97         | 12.8    |
|           |            | 36      | 18        | 11.23         | 11.2          | 11.02         | 12.8    |
|           |            | 36      | 39        | 11.3          | 11.1          | 11.13         | 12.8    |
|           |            | 75      | 0         | 11.31         | 11.15         | 11.14         | 12.8    |
|           | 64QAM      | 1       | 0         | 11.34         | 11.32         | 11.29         | 12.8    |
|           |            | 1       | 38        | 10.76         | 10.92         | 10.82         | 12.8    |
|           |            | 1       | 74        | 11.16         | 11.35         | 11.45         | 12.8    |
|           |            | 36      | 0         | 11.14         | 10.94         | 10.97         | 12.8    |
|           |            | 36      | 18        | 10.98         | 10.96         | 11.05         | 12.8    |
|           |            | 36      | 39        | 10.97         | 10.97         | 11.17         | 12.8    |
|           |            | 75      | 0         | 10.96         | 10.99         | 11.14         | 12.8    |
| Bandwidth | Modulation | RB size | RB offset | Channel 20850 | Channel 21100 | Channel 21350 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 11.49         | 11.34         | 11.3          | 12.8    |
|           |            | 1       | 50        | 11            | 11.32         | 11.62         | 12.8    |
|           |            | 1       | 99        | 11.15         | 11.03         | 11.4          | 12.8    |
|           |            | 50      | 0         | 11.38         | 11.35         | 11.18         | 12.8    |
|           |            | 50      | 25        | 11.29         | 11.23         | 11.15         | 12.8    |
|           |            | 50      | 50        | 11.31         | 11.41         | 11.23         | 12.8    |
|           |            | 100     | 0         | 11.33         | 11.32         | 11.17         | 12.8    |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  | 16QAM | 1   | 0  | 11.57 | 11.73 | 11.13 | 12.8 |
|  |       | 1   | 50 | 11.72 | 11.24 | 11.5  | 12.8 |
|  |       | 1   | 99 | 11.69 | 11.4  | 11.53 | 12.8 |
|  |       | 50  | 0  | 11.23 | 11.21 | 11.04 | 12.8 |
|  |       | 50  | 25 | 11.29 | 11.3  | 11.1  | 12.8 |
|  |       | 50  | 50 | 11.2  | 11.22 | 11.11 | 12.8 |
|  |       | 100 | 0  | 11.25 | 11.22 | 11.18 | 12.8 |
|  | 64QAM | 1   | 0  | 11.39 | 11.28 | 11.3  | 12.8 |
|  |       | 1   | 50 | 10.74 | 10.96 | 10.78 | 12.8 |
|  |       | 1   | 99 | 11.24 | 11.35 | 11.43 | 12.8 |
|  |       | 50  | 0  | 11.14 | 10.97 | 11.04 | 12.8 |
|  |       | 50  | 25 | 10.95 | 11    | 10.97 | 12.8 |
|  |       | 50  | 50 | 10.98 | 10.95 | 11.19 | 12.8 |
|  |       | 100 | 0  | 10.97 | 11.05 | 11.12 | 12.8 |

| LTE Band 7 Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2 |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz  | QPSK       | 1       | 0         | 14.88                | 14.75   | 14.67   | 16.3    |
|   |            | 1       | 13        | 14.87                | 14.72   | 14.69   | 16.3    |
|   |            | 1       | 24        | 14.85                | 14.77   | 14.68   | 16.3    |
|   |            | 12      | 0         | 14.82                | 14.84   | 14.73   | 16.3    |
|   |            | 12      | 6         | 14.94                | 14.7    | 14.61   | 16.3    |
|   |            | 12      | 13        | 14.87                | 14.83   | 14.67   | 16.3    |
|   |            | 25      | 0         | 14.88                | 14.69   | 14.66   | 16.3    |
|   | 16QAM      | 1       | 0         | 15.15                | 15.09   | 14.9    | 16.3    |
|   |            | 1       | 13        | 15.38                | 15.08   | 15.09   | 16.3    |
|   |            | 1       | 24        | 15.21                | 15.17   | 14.89   | 16.3    |
|   |            | 12      | 0         | 14.88                | 14.83   | 14.64   | 16.3    |
|   |            | 12      | 6         | 14.9                 | 14.72   | 14.29   | 16.3    |
|   |            | 12      | 13        | 14.84                | 14.81   | 14.67   | 16.3    |
|   |            | 25      | 0         | 14.86                | 14.81   | 14.55   | 16.3    |
|   | 64QAM      | 1       | 0         | 14.83                | 14.69   | 14.8    | 16.3    |
|   |            | 1       | 13        | 14.15                | 14.39   | 14.26   | 16.3    |
|   |            | 1       | 24        | 14.69                | 14.78   | 14.88   | 16.3    |
|   |            | 12      | 0         | 14.6                 | 14.39   | 14.47   | 16.3    |
|   |            | 12      | 6         | 14.36                | 14.49   | 14.4    | 16.3    |
|   |            | 12      | 13        | 14.42                | 14.44   | 14.62   | 16.3    |
|   |            | 25      | 0         | 14.46                | 14.55   | 14.57   | 16.3    |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz   | QPSK       | 1       | 0         | 14.9                 | 14.72   | 14.65   | 16.3    |
|   |            | 1       | 25        | 14.75                | 15.14   | 14.12   | 16.3    |
|   |            | 1       | 49        | 14.76                | 14.86   | 14.67   | 16.3    |
|   |            | 25      | 0         | 14.92                | 14.86   | 14.68   | 16.3    |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 25             | 13               | 14.74          | 14.73          | 14.7           | 16.3           |
|                  |                   | 25             | 25               | 14.88          | 14.73          | 14.7           | 16.3           |
|                  |                   | 50             | 0                | 14.88          | 14.8           | 14.67          | 16.3           |
|                  | 16QAM             | 1              | 0                | 15.37          | 14.9           | 15.1           | 16.3           |
|                  |                   | 1              | 25               | 15.1           | 15.19          | 15.44          | 16.3           |
|                  |                   | 1              | 49               | 14.63          | 15.35          | 14.91          | 16.3           |
|                  |                   | 25             | 0                | 14.87          | 14.91          | 14.51          | 16.3           |
|                  |                   | 25             | 13               | 14.68          | 14.63          | 14.6           | 16.3           |
|                  |                   | 25             | 25               | 14.83          | 14.82          | 14.72          | 16.3           |
|                  |                   | 50             | 0                | 14.83          | 14.73          | 14.58          | 16.3           |
|                  |                   | 50             | 13               | 14.83          | 14.73          | 14.58          | 16.3           |
|                  | 64QAM             | 1              | 0                | 14.86          | 14.69          | 14.74          | 16.3           |
|                  |                   | 1              | 25               | 14.19          | 14.42          | 14.26          | 16.3           |
|                  |                   | 1              | 49               | 14.69          | 14.79          | 14.91          | 16.3           |
|                  |                   | 25             | 0                | 14.62          | 14.41          | 14.46          | 16.3           |
|                  |                   | 25             | 13               | 14.4           | 14.43          | 14.45          | 16.3           |
|                  |                   | 25             | 25               | 14.45          | 14.44          | 14.6           | 16.3           |
|                  |                   | 50             | 0                | 14.38          | 14.46          | 14.6           | 16.3           |
|                  |                   | 50             | 13               | 14.38          | 14.46          | 14.6           | 16.3           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 20825          | 21100          | 21375          |                |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 14.87          | 14.75          | 14.53          | 16.3           |
|                  |                   | 1              | 38               | 14.82          | 14.84          | 14.75          | 16.3           |
|                  |                   | 1              | 74               | 14.77          | 14.79          | 14.65          | 16.3           |
|                  |                   | 36             | 0                | 14.87          | 14.75          | 14.69          | 16.3           |
|                  |                   | 36             | 18               | 14.78          | 14.85          | 14.64          | 16.3           |
|                  |                   | 36             | 39               | 14.85          | 14.71          | 14.68          | 16.3           |
|                  |                   | 75             | 0                | 14.91          | 14.76          | 14.74          | 16.3           |
|                  |                   | 75             | 13               | 14.91          | 14.76          | 14.74          | 16.3           |
|                  | 16QAM             | 1              | 0                | 15.16          | 15.16          | 14.93          | 16.3           |
|                  |                   | 1              | 38               | 15.07          | 14.94          | 14.97          | 16.3           |
|                  |                   | 1              | 74               | 15.08          | 15.06          | 14.85          | 16.3           |
|                  |                   | 36             | 0                | 14.81          | 14.89          | 14.64          | 16.3           |
|                  |                   | 36             | 18               | 14.81          | 14.76          | 14.56          | 16.3           |
|                  |                   | 36             | 39               | 14.84          | 14.82          | 14.62          | 16.3           |
|                  |                   | 75             | 0                | 14.75          | 14.65          | 14.64          | 16.3           |
|                  |                   | 75             | 13               | 14.75          | 14.65          | 14.64          | 16.3           |
|                  | 64QAM             | 1              | 0                | 14.85          | 14.73          | 14.74          | 16.3           |
|                  |                   | 1              | 38               | 14.2           | 14.4           | 14.28          | 16.3           |
|                  |                   | 1              | 74               | 14.72          | 14.77          | 14.83          | 16.3           |
|                  |                   | 36             | 0                | 14.58          | 14.38          | 14.51          | 16.3           |
|                  |                   | 36             | 18               | 14.44          | 14.4           | 14.42          | 16.3           |
|                  |                   | 36             | 39               | 14.39          | 14.4           | 14.61          | 16.3           |
|                  |                   | 75             | 0                | 14.4           | 14.55          | 14.6           | 16.3           |
|                  |                   | 75             | 13               | 14.4           | 14.55          | 14.6           | 16.3           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 20850          | 21100          | 21350          |                |
| <b>20MHz</b>     | QPSK              | 1              | 0                | 14.95          | 14.92          | 14.67          | 16.3           |
|                  |                   | 1              | 50               | 14.75          | 14.79          | 14.44          | 16.3           |
|                  |                   | 1              | 99               | 14.78          | 14.85          | 14.86          | 16.3           |
|                  |                   | 50             | 0                | 14.86          | 14.84          | 14.76          | 16.3           |
|                  |                   | 50             | 25               | 14.77          | 14.88          | 14.7           | 16.3           |

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|  |       |     |    |       |       |       |      |
|--|-------|-----|----|-------|-------|-------|------|
|  |       | 50  | 50 | 14.8  | 14.82 | 14.63 | 16.3 |
|  |       | 100 | 0  | 14.85 | 14.86 | 14.75 | 16.3 |
|  | 16QAM | 1   | 0  | 15.35 | 15.08 | 15.25 | 16.3 |
|  |       | 1   | 50 | 15.08 | 14.23 | 14.66 | 16.3 |
|  |       | 1   | 99 | 14.97 | 15.42 | 15.51 | 16.3 |
|  |       | 50  | 0  | 14.88 | 14.63 | 14.53 | 16.3 |
|  |       | 50  | 25 | 14.72 | 14.84 | 14.63 | 16.3 |
|  |       | 50  | 50 | 14.88 | 14.7  | 14.72 | 16.3 |
|  |       | 100 | 0  | 14.76 | 14.82 | 14.5  | 16.3 |
|  | 64QAM | 1   | 0  | 14.88 | 14.68 | 14.78 | 16.3 |
|  |       | 1   | 50 | 14.24 | 14.45 | 14.21 | 16.3 |
|  |       | 1   | 99 | 14.71 | 14.77 | 14.86 | 16.3 |
|  |       | 50  | 0  | 14.62 | 14.43 | 14.47 | 16.3 |
|  |       | 50  | 25 | 14.44 | 14.44 | 14.4  | 16.3 |
|  |       | 50  | 50 | 14.44 | 14.41 | 14.64 | 16.3 |
|  |       | 100 | 0  | 14.38 | 14.49 | 14.58 | 16.3 |

| LTE Band 12 Receiver on(Left head) |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz                             | QPSK       | 1       | 0         | 20.69                | 20.6    | 20.74   | 21.5    |
|                                    |            | 1       | 2         | 20.41                | 20.2    | 20.26   | 21.5    |
|                                    |            | 1       | 5         | 20.62                | 20.63   | 20.72   | 21.5    |
|                                    |            | 3       | 0         | 20.59                | 20.51   | 20.54   | 21.5    |
|                                    |            | 3       | 2         | 20.42                | 20.26   | 20.52   | 21.5    |
|                                    |            | 3       | 3         | 20.55                | 20.54   | 20.61   | 21.5    |
|                                    | 16QAM      | 6       | 0         | 20.53                | 20.4    | 20.69   | 21.5    |
|                                    |            | 1       | 0         | 21.01                | 20.83   | 20.91   | 21.5    |
|                                    |            | 1       | 2         | 20.82                | 20.63   | 20.81   | 21.5    |
|                                    |            | 1       | 5         | 20.92                | 20.89   | 20.97   | 21.5    |
|                                    |            | 3       | 0         | 20.69                | 20.61   | 20.7    | 21.5    |
|                                    |            | 3       | 2         | 20.58                | 20.38   | 20.42   | 21.5    |
|                                    |            | 3       | 3         | 20.68                | 20.59   | 20.78   | 21.5    |
|                                    |            | 6       | 0         | 20.56                | 20.61   | 20.61   | 21.5    |
|                                    | 64QAM      | 1       | 0         | 20.66                | 20.6    | 20.79   | 21.5    |
|                                    |            | 1       | 2         | 20.66                | 20.35   | 20.47   | 21.5    |
|                                    |            | 1       | 5         | 20.65                | 20.73   | 20.72   | 21.5    |
|                                    |            | 3       | 0         | 20.66                | 20.6    | 20.79   | 21.5    |
|                                    |            | 3       | 2         | 20.66                | 20.35   | 20.47   | 21.5    |
|                                    |            | 3       | 3         | 20.65                | 20.73   | 20.72   | 21.5    |
|                                    |            | 6       | 0         | 19.96                | 19.98   | 20.12   | 21      |
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 23025                | 23095   | 23165   |         |
| 3MHz                               | QPSK       | 1       | 0         | 20.67                | 20.55   | 20.67   | 21.5    |
|                                    |            | 1       | 7         | 20.43                | 19.91   | 20.32   | 21.5    |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 14        | 20.59   | 20.69   | 20.7    | 21.5    |
|           |            | 8       | 0         | 20.65   | 20.53   | 20.68   | 21.5    |
|           |            | 8       | 4         | 20.56   | 20.61   | 20.68   | 21.5    |
|           |            | 8       | 7         | 20.49   | 20.62   | 20.64   | 21.5    |
|           |            | 15      | 0         | 20.61   | 20.59   | 20.65   | 21.5    |
|           | 16QAM      | 1       | 0         | 20.9    | 20.82   | 20.88   | 21.5    |
|           |            | 1       | 7         | 20.85   | 20.95   | 20.87   | 21.5    |
|           |            | 1       | 14        | 20.87   | 20.84   | 20.94   | 21.5    |
|           |            | 8       | 0         | 20.48   | 20.48   | 20.7    | 21.5    |
|           |            | 8       | 4         | 20.54   | 20.58   | 20.77   | 21.5    |
|           |            | 8       | 7         | 20.51   | 20.58   | 20.56   | 21.5    |
|           |            | 15      | 0         | 20.52   | 20.54   | 20.67   | 21.5    |
|           | 64QAM      | 1       | 0         | 20.78   | 20.64   | 20.81   | 21.5    |
|           |            | 1       | 7         | 20.7    | 20.44   | 20.57   | 21.5    |
|           |            | 1       | 14        | 20.74   | 20.79   | 20.85   | 21.5    |
|           |            | 8       | 0         | 20.06   | 20      | 20.11   | 21      |
|           |            | 8       | 4         | 20.02   | 19.97   | 20.09   | 21      |
|           |            | 8       | 7         | 19.96   | 20.05   | 20.13   | 21      |
|           |            | 15      | 0         | 20      | 20      | 20.17   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.64   | 20.63   | 20.66   | 21.5    |
|           |            | 1       | 13        | 20.6    | 20.71   | 20.69   | 21.5    |
|           |            | 1       | 24        | 20.65   | 20.66   | 20.71   | 21.5    |
|           |            | 12      | 0         | 20.66   | 20.65   | 20.67   | 21.5    |
|           |            | 12      | 6         | 20.44   | 20.6    | 20.6    | 21.5    |
|           |            | 12      | 13        | 20.61   | 20.65   | 20.82   | 21.5    |
|           |            | 25      | 0         | 20.55   | 20.57   | 20.69   | 21.5    |
|           | 16QAM      | 1       | 0         | 20.87   | 20.8    | 20.96   | 21.5    |
|           |            | 1       | 13        | 20.89   | 20.9    | 20.97   | 21.5    |
|           |            | 1       | 24        | 20.93   | 20.86   | 20.86   | 21.5    |
|           |            | 12      | 0         | 20.59   | 20.6    | 20.69   | 21.5    |
|           |            | 12      | 6         | 20.56   | 20.57   | 20.56   | 21.5    |
|           |            | 12      | 13        | 20.53   | 20.63   | 20.81   | 21.5    |
|           |            | 25      | 0         | 20.51   | 20.53   | 20.59   | 21.5    |
|           | 64QAM      | 1       | 0         | 20.73   | 20.63   | 20.77   | 21.5    |
|           |            | 1       | 13        | 20.68   | 20.46   | 20.49   | 21.5    |
|           |            | 1       | 24        | 20.71   | 20.72   | 20.83   | 21.5    |
|           |            | 12      | 0         | 20      | 19.98   | 20.09   | 21      |
|           |            | 12      | 6         | 19.97   | 19.98   | 20.1    | 21      |
|           |            | 12      | 13        | 19.98   | 20      | 20.15   | 21      |
|           |            | 25      | 0         | 20.02   | 20.07   | 20.12   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.7    | 20.56   | 20.57   | 21.5    |
|           |            | 1       | 25        | 20.54   | 20.56   | 20.55   | 21.5    |
|           |            | 1       | 49        | 20.68   | 20.74   | 20.77   | 21.5    |

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|  |       |    |    |       |       |              |      |
|--|-------|----|----|-------|-------|--------------|------|
|  |       | 25 | 0  | 20.59 | 20.6  | 20.67        | 21.5 |
|  |       | 25 | 13 | 20.6  | 20.6  | 20.65        | 21.5 |
|  |       | 25 | 25 | 20.62 | 20.68 | <b>20.79</b> | 21.5 |
|  |       | 50 | 0  | 20.54 | 20.63 | 20.71        | 21.5 |
|  | 16QAM | 1  | 0  | 20.83 | 20.71 | 20.76        | 21.5 |
|  |       | 1  | 25 | 20.44 | 20.62 | 20.79        | 21.5 |
|  |       | 1  | 49 | 20.87 | 20.98 | 20.95        | 21.5 |
|  |       | 25 | 0  | 20.51 | 20.55 | 20.63        | 21.5 |
|  |       | 25 | 13 | 20.58 | 20.54 | 20.63        | 21.5 |
|  |       | 25 | 25 | 20.58 | 20.68 | 20.73        | 21.5 |
|  |       | 50 | 0  | 20.54 | 20.59 | 20.64        | 21.5 |
|  | 64QAM | 1  | 0  | 20.8  | 20.71 | 20.81        | 21.5 |
|  |       | 1  | 25 | 20.74 | 20.47 | 20.57        | 21.5 |
|  |       | 1  | 49 | 20.77 | 20.8  | 20.87        | 21.5 |
|  |       | 25 | 0  | 20.06 | 20.05 | 20.17        | 21   |
|  |       | 25 | 13 | 20.05 | 20.04 | 20.12        | 21   |
|  |       | 25 | 25 | 20.01 | 20.09 | 20.17        | 21   |
|  |       | 50 | 0  | 20.02 | 20.08 | 20.18        | 21   |

| LTE Band 12 Receiver on(Right head) |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                     |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz                              | QPSK       | 1       | 0         | 20.17                | 20.1    | 20.23   | 21      |
|                                     |            | 1       | 2         | 19.58                | 19.59   | 19.78   | 21      |
|                                     |            | 1       | 5         | 20.14                | 20.07   | 20.22   | 21      |
|                                     |            | 3       | 0         | 20.05                | 19.93   | 20.07   | 21      |
|                                     |            | 3       | 2         | 20.03                | 19.95   | 19.97   | 21      |
|                                     |            | 3       | 3         | 20.05                | 20.02   | 20.08   | 21      |
|                                     |            | 6       | 0         | 20.11                | 20.02   | 20.14   | 21      |
|                                     | 16QAM      | 1       | 0         | 20.42                | 20.36   | 20.44   | 21      |
|                                     |            | 1       | 2         | 20.38                | 20.18   | 20.21   | 21      |
|                                     |            | 1       | 5         | 20.48                | 20.46   | 20.51   | 21      |
|                                     |            | 3       | 0         | 20.09                | 19.99   | 20.22   | 21      |
|                                     |            | 3       | 2         | 19.9                 | 20.04   | 20      | 21      |
|                                     |            | 3       | 3         | 20.1                 | 20.1    | 20.12   | 21      |
|                                     |            | 6       | 0         | 20.06                | 20.04   | 20.07   | 21      |
|                                     | 64QAM      | 1       | 0         | 20.2                 | 20.12   | 20.21   | 21      |
|                                     |            | 1       | 2         | 20.06                | 19.84   | 20.02   | 21      |
|                                     |            | 1       | 5         | 20.14                | 20.36   | 20.33   | 21      |
|                                     |            | 3       | 0         | 20                   | 20.01   | 20.14   | 21      |
|                                     |            | 3       | 2         | 19.96                | 19.98   | 20.05   | 21      |
|                                     |            | 3       | 3         | 19.95                | 20.07   | 20.11   | 21      |
|                                     |            | 6       | 0         | 19.98                | 20.01   | 20.06   | 21      |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 23025   | 23095   | 23165   |         |
| 3MHz      | QPSK       | 1       | 0         | 20.19   | 20.07   | 20.14   | 21      |
|           |            | 1       | 7         | 19.93   | 19.89   | 19.45   | 21      |
|           |            | 1       | 14        | 20.08   | 20.13   | 20.16   | 21      |
|           |            | 8       | 0         | 20.1    | 20.04   | 20.22   | 21      |
|           |            | 8       | 4         | 20.08   | 20.05   | 20.23   | 21      |
|           |            | 8       | 7         | 20.05   | 20.04   | 20.08   | 21      |
|           |            | 15      | 0         | 20.04   | 20.09   | 20.2    | 21      |
|           | 16QAM      | 1       | 0         | 20.48   | 20.34   | 20.33   | 21      |
|           |            | 1       | 7         | 20.05   | 20.07   | 20.21   | 21      |
|           |            | 1       | 14        | 20.48   | 20.39   | 20.49   | 21      |
|           |            | 8       | 0         | 20.08   | 20.03   | 20.21   | 21      |
|           |            | 8       | 4         | 20.01   | 19.99   | 20.14   | 21      |
|           |            | 8       | 7         | 19.93   | 20.05   | 20.04   | 21      |
|           |            | 15      | 0         | 20.03   | 20.07   | 20.2    | 21      |
|           | 64QAM      | 1       | 0         | 20.26   | 20.08   | 20.19   | 21      |
|           |            | 1       | 7         | 20.09   | 19.84   | 20.01   | 21      |
|           |            | 1       | 14        | 20.18   | 20.35   | 20.34   | 21      |
|           |            | 8       | 0         | 20.05   | 20.03   | 20.08   | 21      |
|           |            | 8       | 4         | 19.95   | 19.99   | 20.03   | 21      |
|           |            | 8       | 7         | 19.93   | 20.04   | 20.14   | 21      |
|           |            | 15      | 0         | 19.93   | 20.06   | 20.09   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.18   | 20.08   | 20.16   | 21      |
|           |            | 1       | 13        | 20.12   | 20.15   | 20.15   | 21      |
|           |            | 1       | 24        | 20.09   | 20.14   | 20.18   | 21      |
|           |            | 12      | 0         | 20.12   | 20.11   | 20.14   | 21      |
|           |            | 12      | 6         | 20.06   | 20.11   | 20.07   | 21      |
|           |            | 12      | 13        | 20.08   | 20.17   | 20.3    | 21      |
|           |            | 25      | 0         | 20.06   | 20.06   | 20.1    | 21      |
|           | 16QAM      | 1       | 0         | 20.48   | 20.35   | 20.4    | 21      |
|           |            | 1       | 13        | 20.37   | 20.38   | 20.5    | 21      |
|           |            | 1       | 24        | 20.45   | 20.47   | 20.48   | 21      |
|           |            | 12      | 0         | 20.15   | 20.06   | 20.15   | 21      |
|           |            | 12      | 6         | 20.04   | 20.11   | 20.07   | 21      |
|           |            | 12      | 13        | 20.08   | 20.12   | 20.28   | 21      |
|           |            | 25      | 0         | 19.98   | 20.02   | 20.07   | 21      |
|           | 64QAM      | 1       | 0         | 20.26   | 20.06   | 20.17   | 21      |
|           |            | 1       | 13        | 20.07   | 19.86   | 19.98   | 21      |
|           |            | 1       | 24        | 20.15   | 20.32   | 20.3    | 21      |
|           |            | 12      | 0         | 19.98   | 20.03   | 20.14   | 21      |
|           |            | 12      | 6         | 20.01   | 19.98   | 20.07   | 21      |
|           |            | 12      | 13        | 19.99   | 20.12   | 20.09   | 21      |
|           |            | 25      | 0         | 19.96   | 20.07   | 20.07   | 21      |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel      | Tune up |
|-----------|------------|---------|-----------|---------|---------|--------------|---------|
|           |            |         |           | 23060   | 23095   | 23130        |         |
| 10MHz     | QPSK       | 1       | 0         | 20.1    | 20.05   | 20.03        | 21      |
|           |            | 1       | 25        | 19.88   | 19.91   | 20.03        | 21      |
|           |            | 1       | 49        | 20.12   | 20.16   | <b>20.21</b> | 21      |
|           |            | 25      | 0         | 20.08   | 20.05   | 20.11        | 21      |
|           |            | 25      | 13        | 20.09   | 20.07   | 20.14        | 21      |
|           |            | 25      | 25        | 20.07   | 20.14   | <b>20.25</b> | 21      |
|           |            | 50      | 0         | 20.04   | 20.13   | 20.22        | 21      |
|           | 16QAM      | 1       | 0         | 20.44   | 20.31   | 20.4         | 21      |
|           |            | 1       | 25        | 20.21   | 20.05   | 20.35        | 21      |
|           |            | 1       | 49        | 20.45   | 20.37   | 20.64        | 21      |
|           |            | 25      | 0         | 20.03   | 19.92   | 20.06        | 21      |
|           |            | 25      | 13        | 20.07   | 19.98   | 20.09        | 21      |
|           |            | 25      | 25        | 20.06   | 20.08   | 20.17        | 21      |
|           |            | 50      | 0         | 20.03   | 20.05   | 20.1         | 21      |
|           | 64QAM      | 1       | 0         | 20.28   | 20.14   | 20.26        | 21      |
|           |            | 1       | 25        | 20.1    | 19.88   | 20.05        | 21      |
|           |            | 1       | 49        | 20.21   | 20.38   | 20.39        | 21      |
|           |            | 25      | 0         | 20.07   | 20.05   | 20.15        | 21      |
|           |            | 25      | 13        | 20.04   | 20.06   | 20.11        | 21      |
|           |            | 25      | 25        | 20      | 20.13   | 20.17        | 21      |
|           |            | 50      | 0         | 20.01   | 20.09   | 20.11        | 21      |

| LTE Band 12 Receiver off (body or limbs) |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz                                   | QPSK       | 1       | 0         | 23.14                | 23.02   | 23.13   | 24      |
|  |            | 1       | 2         | 22.89                | 22.78   | 22.77   | 24      |
|  |            | 1       | 5         | 23.09                | 23.09   | 23.11   | 24      |
|  |            | 3       | 0         | 23.01                | 22.91   | 22.96   | 24      |
|  |            | 3       | 2         | 22.95                | 22.84   | 22.92   | 24      |
|  |            | 3       | 3         | 22.92                | 22.99   | 23.01   | 24      |
|  | 16QAM      | 6       | 0         | 22.05                | 21.95   | 22.04   | 23      |
|  |            | 1       | 0         | 22.38                | 22.28   | 22.29   | 23      |
|  |            | 1       | 2         | 22.09                | 22.03   | 22.18   | 23      |
|  |            | 1       | 5         | 22.31                | 22.37   | 22.29   | 23      |
|  |            | 3       | 0         | 22.14                | 22.04   | 21.92   | 23      |
|  |            | 3       | 2         | 21.95                | 22      | 22.04   | 23      |
|  |            | 3       | 3         | 22                   | 22      | 22.04   | 23      |
|  |            | 6       | 0         | 20.96                | 20.97   | 20.99   | 22      |
|  | 64QAM      | 1       | 0         | 21.19                | 21.29   | 21.24   | 22      |
|  |            | 1       | 2         | 20.88                | 20.96   | 20.92   | 22      |
|  |            | 1       | 5         | 21.27                | 21.25   | 21.32   | 22      |

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|           |            | 3       | 0         | 21.18            | 21.28            | 21.24            | 22      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 3       | 2         | 20.86            | 20.96            | 20.92            | 22      |
|           |            | 3       | 3         | 21.25            | 21.24            | 21.31            | 22      |
|           |            | 6       | 0         | 20               | 19.99            | 20.07            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>23025 | Channel<br>23095 | Channel<br>23165 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 23.25            | 23.12            | 23.12            | 24      |
|           |            | 1       | 7         | 22.82            | 22.53            | 22.72            | 24      |
|           |            | 1       | 14        | 23.09            | 23.2             | 23.22            | 24      |
|           |            | 8       | 0         | 22.14            | 21.99            | 22.11            | 23      |
|           |            | 8       | 4         | 21.97            | 21.99            | 22.1             | 23      |
|           |            | 8       | 7         | 21.92            | 22.09            | 21.99            | 23      |
|           |            | 15      | 0         | 21.98            | 22.05            | 22.09            | 23      |
|           | 16QAM      | 1       | 0         | 22.41            | 22.36            | 22.38            | 23      |
|           |            | 1       | 7         | 21.66            | 21.71            | 21.74            | 23      |
|           |            | 1       | 14        | 22.27            | 22.41            | 22.42            | 23      |
|           |            | 8       | 0         | 21.03            | 21.02            | 21.12            | 22      |
|           |            | 8       | 4         | 20.98            | 20.95            | 21.07            | 22      |
|           |            | 8       | 7         | 20.94            | 20.99            | 21               | 22      |
|           |            | 15      | 0         | 20.95            | 20.99            | 21.07            | 22      |
|           | 64QAM      | 1       | 0         | 21.21            | 21.31            | 21.29            | 22      |
|           |            | 1       | 7         | 20.89            | 20.92            | 20.84            | 22      |
|           |            | 1       | 14        | 21.25            | 21.23            | 21.3             | 22      |
|           |            | 8       | 0         | 20.01            | 20.03            | 20.12            | 21      |
|           |            | 8       | 4         | 20.02            | 19.98            | 20.1             | 21      |
|           |            | 8       | 7         | 19.94            | 20.09            | 20.15            | 21      |
|           |            | 15      | 0         | 19.98            | 19.98            | 20.08            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>23035 | Channel<br>23095 | Channel<br>23155 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 23.18            | 23.06            | 23.2             | 24      |
|           |            | 1       | 13        | 23.08            | 23.12            | 23.12            | 24      |
|           |            | 1       | 24        | 23.12            | 23.19            | 23.12            | 24      |
|           |            | 12      | 0         | 22.07            | 22.06            | 22.07            | 23      |
|           |            | 12      | 6         | 21.97            | 22               | 22.02            | 23      |
|           |            | 12      | 13        | 22.03            | 22.08            | 22.2             | 23      |
|           |            | 25      | 0         | 21.99            | 21.99            | 22.07            | 23      |
|           | 16QAM      | 1       | 0         | 22.35            | 22.3             | 22.33            | 23      |
|           |            | 1       | 13        | 22.34            | 22.36            | 22.35            | 23      |
|           |            | 1       | 24        | 22.34            | 22.45            | 22.31            | 23      |
|           |            | 12      | 0         | 21.04            | 21               | 21.07            | 22      |
|           |            | 12      | 6         | 21.01            | 21.06            | 21.01            | 22      |
|           |            | 12      | 13        | 21.04            | 21.05            | 21.23            | 22      |
|           |            | 25      | 0         | 21.01            | 20.97            | 21.04            | 22      |
|           | 64QAM      | 1       | 0         | 21.27            | 21.33            | 21.3             | 22      |
|           |            | 1       | 13        | 20.97            | 20.98            | 20.92            | 22      |
|           |            | 1       | 24        | 21.29            | 21.3             | 21.33            | 22      |
|           |            | 12      | 0         | 20.06            | 20.05            | 20.13            | 21      |

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|           |            | 12      | 6         | 20.07            | 19.99            | 20.14            | 21      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 12      | 13        | 20.01            | 20.11            | 20.19            | 21      |
|           |            | 25      | 0         | 20.03            | 20.06            | 20.11            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>23060 | Channel<br>23095 | Channel<br>23130 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 23.13            | 22.99            | 23.05            | 24      |
|           |            | 1       | 25        | 22.99            | 22.93            | 22.79            | 24      |
|           |            | 1       | 49        | 23.11            | 23.18            | 23.19            | 24      |
|           |            | 25      | 0         | 21.99            | 21.97            | 22.04            | 23      |
|           |            | 25      | 13        | 22.01            | 22               | 22.09            | 23      |
|           |            | 25      | 25        | 22.02            | 22.14            | 22.16            | 23      |
|           |            | 50      | 0         | 22               | 22.04            | 22.15            | 23      |
|           | 16QAM      | 1       | 0         | 22.22            | 22.18            | 22.27            | 23      |
|           |            | 1       | 25        | 22.13            | 22.01            | 22.21            | 23      |
|           |            | 1       | 49        | 22.24            | 22.32            | 22.37            | 23      |
|           |            | 25      | 0         | 21.01            | 20.95            | 20.97            | 22      |
|           |            | 25      | 13        | 20.96            | 20.99            | 21.06            | 22      |
|           |            | 25      | 25        | 20.94            | 21.02            | 21.11            | 22      |
|           |            | 50      | 0         | 20.93            | 20.96            | 21.02            | 22      |
|           | 64QAM      | 1       | 0         | 21.27            | 21.34            | 21.31            | 22      |
|           |            | 1       | 25        | 20.98            | 20.99            | 20.93            | 22      |
|           |            | 1       | 49        | 21.3             | 21.3             | 21.33            | 22      |
|           |            | 25      | 0         | 20.07            | 20.05            | 20.14            | 21      |
|           |            | 25      | 13        | 20.08            | 20               | 20.15            | 21      |
|           |            | 25      | 25        | 20.01            | 20.11            | 20.19            | 21      |
|           |            | 50      | 0         | 20.03            | 20.07            | 20.12            | 21      |

| LTE Band 12 Receiver off (body or limbs) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |                  |                  |         |
|---|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel<br>23017     | Channel<br>23095 | Channel<br>23173 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 20.01                | 19.97            | 20.08            | 21      |
|   |            | 1       | 2         | 19.48                | 19.55            | 19.57            | 21      |
|   |            | 1       | 5         | 20.01                | 20               | 20.05            | 21      |
|   |            | 3       | 0         | 20.01                | 19.92            | 19.93            | 21      |
|   |            | 3       | 2         | 19.67                | 19.79            | 19.83            | 21      |
|   |            | 3       | 3         | 19.99                | 19.8             | 19.94            | 21      |
|   |            | 6       | 0         | 19.89                | 19.78            | 19.96            | 21      |
|   | 16QAM      | 1       | 0         | 20.42                | 20.28            | 20.39            | 21      |
|   |            | 1       | 2         | 20.21                | 20.08            | 20.08            | 21      |
|   |            | 1       | 5         | 20.26                | 20.3             | 20.38            | 21      |
|   |            | 3       | 0         | 20.02                | 19.91            | 20.05            | 21      |
|   |            | 3       | 2         | 19.79                | 19.99            | 19.84            | 21      |
|   |            | 3       | 3         | 19.93                | 19.92            | 19.91            | 21      |
|   |            | 6       | 0         | 19.86                | 19.93            | 19.95            | 21      |
|   | 64QAM      | 1       | 0         | 20.23                | 20.08            | 20.21            | 21      |

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|           |            | 1       | 2         | 20.02   | 19.86   | 20.04   | 21      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 5         | 20.19   | 20.33   | 20.34   | 21      |
|           |            | 3       | 0         | 20.04   | 20.04   | 20.11   | 21      |
|           |            | 3       | 2         | 19.96   | 20.03   | 20.06   | 21      |
|           |            | 3       | 3         | 19.94   | 20.09   | 20.13   | 21      |
|           |            | 6       | 0         | 19.99   | 20.06   | 20.06   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23025   | 23095   | 23165   |         |
| 3MHz      | QPSK       | 1       | 0         | 20      | 19.94   | 19.97   | 21      |
|           |            | 1       | 7         | 19.71   | 20      | 19.65   | 21      |
|           |            | 1       | 14        | 19.96   | 19.98   | 20.03   | 21      |
|           |            | 8       | 0         | 19.97   | 19.82   | 20.04   | 21      |
|           |            | 8       | 4         | 20      | 19.84   | 20.09   | 21      |
|           |            | 8       | 7         | 19.86   | 19.91   | 19.96   | 21      |
|           |            | 15      | 0         | 19.95   | 19.99   | 20.02   | 21      |
|           | 16QAM      | 1       | 0         | 20.35   | 20.25   | 20.35   | 21      |
|           |            | 1       | 7         | 20.18   | 19.79   | 19.95   | 21      |
|           |            | 1       | 14        | 20.25   | 20.37   | 20.36   | 21      |
|           |            | 8       | 0         | 19.81   | 19.87   | 19.99   | 21      |
|           |            | 8       | 4         | 19.87   | 19.91   | 20.04   | 21      |
|           |            | 8       | 7         | 19.88   | 19.96   | 19.94   | 21      |
|           |            | 15      | 0         | 19.88   | 19.97   | 19.92   | 21      |
|           | 64QAM      | 1       | 0         | 20.22   | 20.08   | 20.26   | 21      |
|           |            | 1       | 7         | 20.03   | 19.88   | 19.99   | 21      |
|           |            | 1       | 14        | 20.16   | 20.36   | 20.32   | 21      |
|           |            | 8       | 0         | 20.01   | 20.03   | 20.08   | 21      |
|           |            | 8       | 4         | 20.04   | 19.98   | 20.06   | 21      |
|           |            | 8       | 7         | 19.93   | 20.09   | 20.11   | 21      |
|           |            | 15      | 0         | 19.95   | 20.08   | 20.11   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.02   | 19.96   | 20.02   | 21      |
|           |            | 1       | 13        | 19.92   | 20.01   | 20.03   | 21      |
|           |            | 1       | 24        | 20      | 20.02   | 20.04   | 21      |
|           |            | 12      | 0         | 20      | 20      | 19.99   | 21      |
|           |            | 12      | 6         | 19.91   | 19.88   | 19.9    | 21      |
|           |            | 12      | 13        | 19.98   | 20      | 20.14   | 21      |
|           |            | 25      | 0         | 19.91   | 19.9    | 20.01   | 21      |
|           | 16QAM      | 1       | 0         | 20.37   | 20.21   | 20.29   | 21      |
|           |            | 1       | 13        | 20.33   | 20.33   | 20.34   | 21      |
|           |            | 1       | 24        | 20.38   | 20.33   | 20.29   | 21      |
|           |            | 12      | 0         | 19.96   | 19.97   | 19.98   | 21      |
|           |            | 12      | 6         | 19.86   | 19.91   | 19.87   | 21      |
|           |            | 12      | 13        | 19.93   | 19.97   | 20.13   | 21      |
|           |            | 25      | 0         | 19.9    | 19.89   | 20.03   | 21      |
|           | 64QAM      | 1       | 0         | 20.24   | 20.13   | 20.23   | 21      |
|           |            | 1       | 13        | 20.07   | 19.84   | 20.04   | 21      |

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|           |            | 1       | 24        | 20.2          | 20.35         | 20.35         | 21      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 12      | 0         | 20.01         | 20.05         | 20.15         | 21      |
|           |            | 12      | 6         | 19.99         | 20.06         | 20.04         | 21      |
|           |            | 12      | 13        | 19.97         | 20.11         | 20.13         | 21      |
|           |            | 25      | 0         | 19.99         | 20.07         | 20.06         | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23060 | Channel 23095 | Channel 23130 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 19.97         | 19.95         | 19.87         | 21      |
|           |            | 1       | 25        | 19.7          | 19.73         | 19.7          | 21      |
|           |            | 1       | 49        | 20.02         | 20.02         | 20.07         | 21      |
|           |            | 25      | 0         | 19.97         | 19.93         | 19.98         | 21      |
|           |            | 25      | 13        | 19.92         | 19.94         | 19.99         | 21      |
|           |            | 25      | 25        | 19.93         | 20.04         | 20.08         | 21      |
|           |            | 50      | 0         | 19.9          | 19.99         | 20.06         | 21      |
|           | 16QAM      | 1       | 0         | 20.12         | 20.19         | 20.12         | 21      |
|           |            | 1       | 25        | 20.17         | 20.22         | 20.18         | 21      |
|           |            | 1       | 49        | 20.42         | 20.37         | 20.35         | 21      |
|           |            | 25      | 0         | 19.91         | 19.91         | 19.92         | 21      |
|           |            | 25      | 13        | 19.92         | 19.87         | 19.93         | 21      |
|           |            | 25      | 25        | 19.86         | 20            | 20            | 21      |
|           |            | 50      | 0         | 19.85         | 19.89         | 19.94         | 21      |
|           | 64QAM      | 1       | 0         | 20.21         | 20.06         | 20.23         | 21      |
|           |            | 1       | 25        | 20.04         | 19.81         | 19.98         | 21      |
|           |            | 1       | 49        | 20.18         | 20.33         | 20.34         | 21      |
|           |            | 25      | 0         | 20.04         | 19.98         | 20.14         | 21      |
|           |            | 25      | 13        | 19.97         | 20.04         | 20.11         | 21      |
|           |            | 25      | 25        | 19.95         | 20.05         | 20.14         | 21      |
|           |            | 50      | 0         | 19.96         | 20.04         | 20.08         | 21      |

| LTE Band 12 Receiver off (body or limbs) + hotspot 5G |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel 23017        | Channel 23095 | Channel 23173 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 18.06                | 18.01         | 18.08         | 19      |
|   |            | 1       | 2         | 17.42                | 17.42         | 17.45         | 19      |
|   |            | 1       | 5         | 18                   | 18            | 18.05         | 19      |
|   |            | 3       | 0         | 18.08                | 17.93         | 18.03         | 19      |
|   |            | 3       | 2         | 17.81                | 17.77         | 17.75         | 19      |
|   |            | 3       | 3         | 17.81                | 17.73         | 17.92         | 19      |
|   |            | 6       | 0         | 17.9                 | 17.89         | 17.97         | 19      |
|   | 16QAM      | 1       | 0         | 18.37                | 18.29         | 18.42         | 19      |
|   |            | 1       | 2         | 18.2                 | 18.29         | 18.35         | 19      |
|   |            | 1       | 5         | 18.33                | 18.25         | 18.39         | 19      |
|   |            | 3       | 0         | 18.02                | 18.01         | 18.12         | 19      |
|   |            | 3       | 2         | 17.8                 | 17.95         | 17.97         | 19      |
|   |            | 3       | 3         | 17.93                | 17.94         | 17.96         | 19      |

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|           | 64QAM      | 6       | 0         | 17.86         | 17.85         | 17.9          | 19      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 18.21         | 17.88         | 17.95         | 19      |
|           |            | 1       | 2         | 17.99         | 17.7          | 17.77         | 19      |
|           |            | 1       | 5         | 18.04         | 18.1          | 18.05         | 19      |
|           |            | 3       | 0         | 17.86         | 17.92         | 18.14         | 19      |
|           |            | 3       | 2         | 17.87         | 17.92         | 17.98         | 19      |
|           |            | 3       | 3         | 17.77         | 17.77         | 18.09         | 19      |
|           |            | 6       | 0         | 17.92         | 17.79         | 17.93         | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23025 | Channel 23095 | Channel 23165 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 18            | 17.95         | 18.03         | 19      |
|           |            | 1       | 7         | 17.9          | 17.81         | 17.59         | 19      |
|           |            | 1       | 14        | 17.99         | 18.03         | 18.08         | 19      |
|           |            | 8       | 0         | 17.96         | 17.84         | 18.05         | 19      |
|           |            | 8       | 4         | 17.95         | 17.9          | 18.08         | 19      |
|           |            | 8       | 7         | 17.88         | 17.94         | 17.92         | 19      |
|           |            | 15      | 0         | 17.89         | 17.98         | 18.08         | 19      |
|           | 16QAM      | 1       | 0         | 18.32         | 18.18         | 18.36         | 19      |
|           |            | 1       | 7         | 17.91         | 18.05         | 18.09         | 19      |
|           |            | 1       | 14        | 18.23         | 18.21         | 18.33         | 19      |
|           |            | 8       | 0         | 17.97         | 17.9          | 17.99         | 19      |
|           |            | 8       | 4         | 17.97         | 17.95         | 18.09         | 19      |
|           |            | 8       | 7         | 17.89         | 17.95         | 17.98         | 19      |
|           |            | 15      | 0         | 17.86         | 17.9          | 17.99         | 19      |
|           | 64QAM      | 1       | 0         | 18.19         | 18.01         | 17.98         | 19      |
|           |            | 1       | 7         | 17.92         | 17.65         | 17.83         | 19      |
|           |            | 1       | 14        | 17.91         | 18.23         | 18.07         | 19      |
|           |            | 8       | 0         | 17.89         | 17.79         | 17.86         | 19      |
|           |            | 8       | 4         | 17.96         | 17.86         | 17.91         | 19      |
|           |            | 8       | 7         | 17.81         | 18.04         | 18.06         | 19      |
|           |            | 15      | 0         | 17.7          | 17.84         | 18.03         | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23035 | Channel 23095 | Channel 23155 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 18.04         | 17.92         | 18.02         | 19      |
|           |            | 1       | 13        | 17.96         | 17.99         | 18.06         | 19      |
|           |            | 1       | 24        | 18            | 18            | 18.06         | 19      |
|           |            | 12      | 0         | 18.03         | 17.98         | 18.02         | 19      |
|           |            | 12      | 6         | 17.92         | 17.93         | 17.94         | 19      |
|           |            | 12      | 13        | 18            | 18.03         | 18.17         | 19      |
|           |            | 25      | 0         | 17.97         | 17.98         | 18.07         | 19      |
|           | 16QAM      | 1       | 0         | 18.22         | 18.19         | 18.3          | 19      |
|           |            | 1       | 13        | 18.33         | 18.29         | 18.4          | 19      |
|           |            | 1       | 24        | 18.36         | 18.4          | 18.29         | 19      |
|           |            | 12      | 0         | 17.93         | 17.94         | 17.98         | 19      |
|           |            | 12      | 6         | 17.93         | 17.99         | 17.96         | 19      |
|           |            | 12      | 13        | 17.93         | 17.94         | 18.11         | 19      |
|           |            | 25      | 0         | 17.91         | 17.92         | 18.01         | 19      |

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|           | 64QAM      | 1       | 0         | 18.15         | 18.05         | 18.12         | 19      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 13        | 17.92         | 17.54         | 17.9          | 19      |
|           |            | 1       | 24        | 18.04         | 18.03         | 18.18         | 19      |
|           |            | 12      | 0         | 17.77         | 17.77         | 18.02         | 19      |
|           |            | 12      | 6         | 17.77         | 18.03         | 18.04         | 19      |
|           |            | 12      | 13        | 17.86         | 18            | 18.03         | 19      |
|           |            | 25      | 0         | 17.72         | 18.02         | 17.82         | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23060 | Channel 23095 | Channel 23130 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 17.95         | 17.9          | 17.94         | 19      |
|           |            | 1       | 25        | 17.77         | 17.91         | 17.68         | 19      |
|           |            | 1       | 49        | 18.03         | 18.05         | 18.07         | 19      |
|           |            | 25      | 0         | 17.98         | 17.92         | 18.03         | 19      |
|           |            | 25      | 13        | 17.95         | 17.99         | 18.01         | 19      |
|           |            | 25      | 25        | 17.95         | 18.04         | 18.1          | 19      |
|           |            | 50      | 0         | 17.93         | 17.98         | 18.05         | 19      |
|           | 16QAM      | 1       | 0         | 18.28         | 18.22         | 18.19         | 19      |
|           |            | 1       | 25        | 18.08         | 18.03         | 18.16         | 19      |
|           |            | 1       | 49        | 18.32         | 18.32         | 18.34         | 19      |
|           |            | 25      | 0         | 17.87         | 17.89         | 17.93         | 19      |
|           |            | 25      | 13        | 17.91         | 17.93         | 17.93         | 19      |
|           |            | 25      | 25        | 17.86         | 17.94         | 18.03         | 19      |
|           |            | 50      | 0         | 17.84         | 17.91         | 18.01         | 19      |
|           | 64QAM      | 1       | 0         | 18.18         | 17.77         | 18.08         | 19      |
|           |            | 1       | 25        | 18.03         | 17.58         | 17.83         | 19      |
|           |            | 1       | 49        | 18.17         | 18.17         | 18.26         | 19      |
|           |            | 25      | 0         | 17.77         | 17.84         | 17.89         | 19      |
|           |            | 25      | 13        | 17.71         | 17.77         | 18.09         | 19      |
|           |            | 25      | 25        | 17.76         | 18            | 18.06         | 19      |
|           |            | 50      | 0         | 17.96         | 17.95         | 17.87         | 19      |

| LTE Band 12 Receiver on(Left head) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel 23017        | Channel 23095 | Channel 23173 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 17.58                | 17.51         | 17.67         | 18.5    |
|   |            | 1       | 2         | 16.43                | 17.26         | 17.76         | 18.5    |
|   |            | 1       | 5         | 17.4                 | 17.38         | 17.64         | 18.5    |
|   |            | 3       | 0         | 17.47                | 16.99         | 17.53         | 18.5    |
|   |            | 3       | 2         | 17.53                | 16.9          | 17.34         | 18.5    |
|   |            | 3       | 3         | 17.03                | 17.12         | 17.19         | 18.5    |
|   | 16QAM      | 6       | 0         | 17.49                | 17.45         | 17.85         | 18.5    |
|   |            | 1       | 0         | 17.67                | 17.4          | 17.59         | 18.5    |
|   |            | 1       | 2         | 16.93                | 17.65         | 17.41         | 18.5    |
|   |            | 1       | 5         | 17.73                | 17.5          | 17.93         | 18.5    |
|   |            | 3       | 0         | 17.52                | 17.43         | 17.25         | 18.5    |
|   |            | 3       | 2         | 17.5                 | 17.24         | 17.67         | 18.5    |

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|           | 64QAM      | 3       | 3         | 17.43         | 16.93         | 17.16         | 18.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 6       | 0         | 17.05         | 17.11         | 17.52         | 18.5    |
|           |            | 1       | 0         | 17.65         | 17.29         | 17.38         | 18.5    |
|           |            | 1       | 2         | 17.43         | 17.16         | 17.22         | 18.5    |
|           |            | 1       | 5         | 17.53         | 17.59         | 17.45         | 18.5    |
|           |            | 3       | 0         | 17.31         | 17.32         | 17.59         | 18.5    |
|           |            | 3       | 2         | 17.35         | 17.33         | 17.42         | 18.5    |
|           |            | 3       | 3         | 17.26         | 17.27         | 17.5          | 18.5    |
|           |            | 6       | 0         | 17.35         | 17.2          | 17.42         | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 23025 | Channel 23095 | Channel 23165 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 17.48         | 17.45         | 17.52         | 18.5    |
|           |            | 1       | 7         | 16.85         | 16.83         | 15.81         | 18.5    |
|           |            | 1       | 14        | 17.56         | 17.45         | 17.46         | 18.5    |
|           |            | 8       | 0         | 17.24         | 17.5          | 17.14         | 18.5    |
|           |            | 8       | 4         | 17.64         | 17.43         | 17.61         | 18.5    |
|           |            | 8       | 7         | 17.44         | 17.56         | 17.46         | 18.5    |
|           |            | 15      | 0         | 17.4          | 17.49         | 17.7          | 18.5    |
|           | 16QAM      | 1       | 0         | 17.96         | 17.27         | 18.23         | 18.5    |
|           |            | 1       | 7         | 17.05         | 17.45         | 17.15         | 18.5    |
|           |            | 1       | 14        | 17.71         | 17.84         | 17.81         | 18.5    |
|           |            | 8       | 0         | 17.51         | 17.3          | 17.11         | 18.5    |
|           |            | 8       | 4         | 17.68         | 17.45         | 17.44         | 18.5    |
|           |            | 8       | 7         | 17.04         | 17.83         | 17.57         | 18.5    |
|           |            | 15      | 0         | 17.31         | 17.38         | 17.55         | 18.5    |
|           | 64QAM      | 1       | 0         | 17.63         | 17.33         | 17.41         | 18.5    |
|           |            | 1       | 7         | 17.46         | 17.14         | 17.26         | 18.5    |
|           |            | 1       | 14        | 17.52         | 17.51         | 17.55         | 18.5    |
|           |            | 8       | 0         | 17.3          | 17.36         | 17.63         | 18.5    |
|           |            | 8       | 4         | 17.29         | 17.33         | 17.43         | 18.5    |
|           |            | 8       | 7         | 17.26         | 17.23         | 17.52         | 18.5    |
|           |            | 15      | 0         | 17.34         | 17.22         | 17.35         | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 23035 | Channel 23095 | Channel 23155 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 17.62         | 17.29         | 17.46         | 18.5    |
|           |            | 1       | 13        | 17.42         | 17.36         | 17.53         | 18.5    |
|           |            | 1       | 24        | 17.4          | 17.57         | 17.41         | 18.5    |
|           |            | 12      | 0         | 17.46         | 17.42         | 17.51         | 18.5    |
|           |            | 12      | 6         | 17.5          | 17.52         | 17.31         | 18.5    |
|           |            | 12      | 13        | 17.49         | 17.47         | 17.62         | 18.5    |
|           |            | 25      | 0         | 17.33         | 17.34         | 17.46         | 18.5    |
|           | 16QAM      | 1       | 0         | 17.51         | 17.89         | 17.18         | 18.5    |
|           |            | 1       | 13        | 17.19         | 18.13         | 18            | 18.5    |
|           |            | 1       | 24        | 18.02         | 17.4          | 18.18         | 18.5    |
|           |            | 12      | 0         | 17.46         | 17.45         | 17.56         | 18.5    |
|           |            | 12      | 6         | 17.28         | 17.42         | 17.34         | 18.5    |
|           |            | 12      | 13        | 17.45         | 17.36         | 17.68         | 18.5    |

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|           | 64QAM      | 25      | 0         | 17.27         | 17.29         | 17.42         | 18.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 17.61         | 17.37         | 17.42         | 18.5    |
|           |            | 1       | 13        | 17.48         | 17.17         | 17.18         | 18.5    |
|           |            | 1       | 24        | 17.44         | 17.5          | 17.54         | 18.5    |
|           |            | 12      | 0         | 17.32         | 17.36         | 17.58         | 18.5    |
|           |            | 12      | 6         | 17.36         | 17.34         | 17.44         | 18.5    |
|           |            | 12      | 13        | 17.24         | 17.19         | 17.52         | 18.5    |
|           |            | 25      | 0         | 17.35         | 17.25         | 17.33         | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel 23060 | Channel 23095 | Channel 23130 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 17.48         | 17.39         | 17.3          | 18.5    |
|           |            | 1       | 25        | 16.44         | 17.73         | 16.88         | 18.5    |
|           |            | 1       | 49        | 17.53         | 17.44         | 17.6          | 18.5    |
|           |            | 25      | 0         | 17.4          | 17.29         | 17.43         | 18.5    |
|           |            | 25      | 13        | 17.44         | 17.36         | 17.46         | 18.5    |
|           |            | 25      | 25        | 17.4          | 17.43         | 17.63         | 18.5    |
|           |            | 50      | 0         | 17.44         | 17.45         | 17.58         | 18.5    |
|           | 16QAM      | 1       | 0         | 17.89         | 17.58         | 17.76         | 18.5    |
|           |            | 1       | 25        | 16.93         | 17.82         | 17.63         | 18.5    |
|           |            | 1       | 49        | 18.06         | 17.89         | 17.5          | 18.5    |
|           |            | 25      | 0         | 17.27         | 17.38         | 17.46         | 18.5    |
|           |            | 25      | 13        | 17.24         | 17.31         | 17.36         | 18.5    |
|           |            | 25      | 25        | 17.32         | 17.38         | 17.5          | 18.5    |
|           |            | 50      | 0         | 17.21         | 17.39         | 17.34         | 18.5    |
|           | 64QAM      | 1       | 0         | 17.62         | 17.35         | 17.4          | 18.5    |
|           |            | 1       | 25        | 17.41         | 17.18         | 17.18         | 18.5    |
|           |            | 1       | 49        | 17.5          | 17.6          | 17.53         | 18.5    |
|           |            | 25      | 0         | 17.28         | 17.34         | 17.61         | 18.5    |
|           |            | 25      | 13        | 17.32         | 17.41         | 17.4          | 18.5    |
|           |            | 25      | 25        | 17.17         | 17.22         | 17.49         | 18.5    |
|           |            | 50      | 0         | 17.41         | 17.26         | 17.42         | 18.5    |

| LTE Band 12 Receiver on(Right head) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |               |               |         |
|--|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel 23017        | Channel 23095 | Channel 23173 | Tune up |
| 1.4MHz   | QPSK       | 1       | 0         | 17.14                | 16.9          | 17.1          | 18      |
|  |            | 1       | 2         | 16.59                | 17.18         | 17.33         | 18      |
|  |            | 1       | 5         | 16.98                | 16.98         | 17.12         | 18      |
|  |            | 3       | 0         | 17.13                | 16.91         | 17.02         | 18      |
|  |            | 3       | 2         | 16.98                | 16.95         | 17.1          | 18      |
|  |            | 3       | 3         | 17.08                | 17.05         | 16.99         | 18      |
|  |            | 6       | 0         | 16.9                 | 17.24         | 17.04         | 18      |
|  | 16QAM      | 1       | 0         | 17.45                | 17.22         | 17.67         | 18      |
|  |            | 1       | 2         | 17.08                | 16.76         | 16.83         | 18      |
|  |            | 1       | 5         | 16.93                | 17.46         | 17.3          | 18      |
|  |            | 3       | 0         | 16.98                | 16.89         | 17.22         | 18      |

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|           | 64QAM      | 3       | 2         | 16.85   | 16.75   | 17.08   | 18      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 3         | 16.81   | 16.71   | 16.58   | 18      |
|           |            | 6       | 0         | 16.68   | 16.8    | 17.1    | 18      |
|           |            | 1       | 0         | 17.05   | 16.81   | 16.85   | 18      |
|           |            | 1       | 2         | 16.86   | 16.65   | 16.59   | 18      |
|           |            | 1       | 5         | 16.92   | 17.04   | 16.98   | 18      |
|           |            | 3       | 0         | 16.71   | 16.76   | 17.02   | 18      |
|           |            | 3       | 2         | 16.81   | 16.85   | 16.8    | 18      |
|           |            | 3       | 3         | 16.64   | 16.7    | 16.99   | 18      |
|           |            | 6       | 0         | 16.82   | 16.67   | 16.86   | 18      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23025   | 23095   | 23165   |         |
| 3MHz      | QPSK       | 1       | 0         | 16.98   | 16.8    | 16.98   | 18      |
|           |            | 1       | 7         | 15.11   | 15.78   | 16.69   | 18      |
|           |            | 1       | 14        | 16.89   | 16.9    | 17.14   | 18      |
|           |            | 8       | 0         | 16.96   | 16.88   | 17.19   | 18      |
|           |            | 8       | 4         | 16.82   | 16.92   | 17.14   | 18      |
|           |            | 8       | 7         | 16.71   | 17.04   | 16.99   | 18      |
|           |            | 15      | 0         | 16.89   | 16.95   | 17.02   | 18      |
|           |            | 1       | 0         | 17.48   | 16.78   | 16.88   | 18      |
|           | 16QAM      | 1       | 7         | 16.6    | 17.29   | 16.7    | 18      |
|           |            | 1       | 14        | 17.29   | 17.08   | 17.43   | 18      |
|           |            | 8       | 0         | 16.97   | 16.9    | 17.21   | 18      |
|           |            | 8       | 4         | 16.87   | 16.45   | 17.06   | 18      |
|           |            | 8       | 7         | 16.96   | 16.82   | 17      | 18      |
|           |            | 15      | 0         | 16.9    | 16.87   | 16.97   | 18      |
|           |            | 1       | 0         | 17.07   | 16.81   | 16.86   | 18      |
|           |            | 1       | 7         | 16.89   | 16.68   | 16.67   | 18      |
|           | 64QAM      | 1       | 14        | 16.92   | 17.08   | 16.95   | 18      |
|           |            | 8       | 0         | 16.76   | 16.79   | 17.05   | 18      |
|           |            | 8       | 4         | 16.79   | 16.86   | 16.86   | 18      |
|           |            | 8       | 7         | 16.62   | 16.65   | 16.9    | 18      |
|           |            | 15      | 0         | 16.86   | 16.75   | 16.84   | 18      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 17      | 16.83   | 16.91   | 18      |
|           |            | 1       | 13        | 16.89   | 16.96   | 17.05   | 18      |
|           |            | 1       | 24        | 16.94   | 16.93   | 17.08   | 18      |
|           |            | 12      | 0         | 16.95   | 16.94   | 17.09   | 18      |
|           |            | 12      | 6         | 16.85   | 17.01   | 16.93   | 18      |
|           |            | 12      | 13        | 16.97   | 17.02   | 17.09   | 18      |
|           |            | 25      | 0         | 16.83   | 16.83   | 16.99   | 18      |
|           |            | 1       | 0         | 16.84   | 17.25   | 17.06   | 18      |
|           | 16QAM      | 1       | 13        | 17.24   | 17.2    | 16.83   | 18      |
|           |            | 1       | 24        | 17.24   | 17.38   | 17.71   | 18      |
|           |            | 12      | 0         | 16.87   | 16.81   | 16.98   | 18      |
|           |            | 12      | 6         | 17.05   | 16.91   | 17.03   | 18      |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 12             | 13               | 16.94          | 17             | 17.11          | 18             |
|                  |                   | 25             | 0                | 16.79          | 16.84          | 16.93          | 18             |
|                  | 64QAM             | 1              | 0                | 17.06          | 16.75          | 16.88          | 18             |
|                  |                   | 1              | 13               | 16.83          | 16.62          | 16.66          | 18             |
|                  |                   | 1              | 24               | 16.91          | 17.08          | 17             | 18             |
|                  |                   | 12             | 0                | 16.73          | 16.76          | 17.09          | 18             |
|                  |                   | 12             | 6                | 16.76          | 16.89          | 16.89          | 18             |
|                  |                   | 12             | 13               | 16.63          | 16.67          | 16.93          | 18             |
|                  |                   | 25             | 0                | 16.86          | 16.73          | 16.91          | 18             |
|                  |                   |                |                  |                |                |                |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 23060          | 23095          | 23130          |                |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 16.97          | 16.83          | 16.75          | 18             |
|                  |                   | 1              | 25               | 16.85          | 15.92          | 16.96          | 18             |
|                  |                   | 1              | 49               | 17.1           | 17.01          | 17.04          | 18             |
|                  |                   | 25             | 0                | 16.87          | 16.82          | 16.98          | 18             |
|                  |                   | 25             | 13               | 16.83          | 16.89          | 16.83          | 18             |
|                  |                   | 25             | 25               | 16.82          | 17.02          | 17.02          | 18             |
|                  |                   | 50             | 0                | 16.91          | 16.98          | 17.07          | 18             |
|                  |                   |                |                  |                |                |                |                |
|                  | 16QAM             | 1              | 0                | 16.77          | 17.09          | 17.02          | 18             |
|                  |                   | 1              | 25               | 17.49          | 17.17          | 17.04          | 18             |
|                  |                   | 1              | 49               | 17.4           | 17.17          | 17.39          | 18             |
|                  |                   | 25             | 0                | 16.81          | 16.87          | 16.92          | 18             |
|                  |                   | 25             | 13               | 16.81          | 16.95          | 16.92          | 18             |
|                  |                   | 25             | 25               | 17.04          | 16.92          | 17.15          | 18             |
|                  |                   | 50             | 0                | 16.76          | 16.89          | 16.98          | 18             |
|                  |                   |                |                  |                |                |                |                |
|                  | 64QAM             | 1              | 0                | 17.1           | 16.77          | 16.85          | 18             |
|                  |                   | 1              | 25               | 16.87          | 16.63          | 16.62          | 18             |
|                  |                   | 1              | 49               | 16.91          | 17.05          | 17.02          | 18             |
|                  |                   | 25             | 0                | 16.72          | 16.83          | 17.08          | 18             |
|                  |                   | 25             | 13               | 16.79          | 16.88          | 16.84          | 18             |
|                  |                   | 25             | 25               | 16.59          | 16.68          | 16.95          | 18             |
|                  |                   | 50             | 0                | 16.91          | 16.74          | 16.88          | 18             |
|                  |                   |                |                  |                |                |                |                |

| LTE Band 12 Receiver on(Left head) + hotspot 5G |                   |                |                  | Conducted Power(dBm) |                |                |                |
|---|-------------------|----------------|------------------|----------------------|----------------|----------------|----------------|
| <b>Bandwidth</b>                                | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b>       | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|   |                   |                |                  | 23017                | 23095          | 23173          |                |
| <b>1.4MHz</b>                                   | QPSK              | 1              | 0                | 15.49                | 15.39          | 15.64          | 16.5           |
|   |                   | 1              | 2                | 15.7                 | 14.61          | 14.44          | 16.5           |
|   |                   | 1              | 5                | 15.43                | 15.25          | 15.58          | 16.5           |
|   |                   | 3              | 0                | 15.38                | 15.4           | 15.67          | 16.5           |
|   |                   | 3              | 2                | 15.55                | 15.02          | 15.58          | 16.5           |
|   |                   | 3              | 3                | 15.52                | 15.43          | 15.5           | 16.5           |
|   |                   | 6              | 0                | 15.52                | 15.28          | 15.58          | 16.5           |
|   | 16QAM             | 1              | 0                | 16.12                | 16.14          | 15.69          | 16.5           |
|   |                   | 1              | 2                | 15.39                | 15.14          | 15.57          | 16.5           |
|   |                   | 1              | 5                | 15.84                | 15.57          | 15.98          | 16.5           |

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|           |            | 3       | 0         | 15.36   | 15.23   | 15.64   | 16.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 2         | 15.17   | 15.42   | 15.94   | 16.5    |
|           |            | 3       | 3         | 15.71   | 15.54   | 15.36   | 16.5    |
|           |            | 6       | 0         | 15.49   | 15.18   | 15.49   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.6    | 15.18   | 15.27   | 16.5    |
|           |            | 1       | 2         | 15.27   | 15.08   | 15.04   | 16.5    |
|           |            | 1       | 5         | 15.33   | 15.49   | 15.46   | 16.5    |
|           |            | 3       | 0         | 15.16   | 15.25   | 15.56   | 16.5    |
|           |            | 3       | 2         | 15.25   | 15.33   | 15.33   | 16.5    |
|           |            | 3       | 3         | 14.99   | 15.13   | 15.41   | 16.5    |
|           |            | 6       | 0         | 15.38   | 15.17   | 15.34   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23025   | 23095   | 23165   |         |
| 3MHz      | QPSK       | 1       | 0         | 15.43   | 15.42   | 15.4    | 16.5    |
|           |            | 1       | 7         | 14.41   | 15.19   | 16.3    | 16.5    |
|           |            | 1       | 14        | 15.49   | 15.51   | 15.46   | 16.5    |
|           |            | 8       | 0         | 15.39   | 15.22   | 15.64   | 16.5    |
|           |            | 8       | 4         | 15.4    | 15.51   | 15.62   | 16.5    |
|           |            | 8       | 7         | 15.27   | 15.42   | 15.62   | 16.5    |
|           |            | 15      | 0         | 15.43   | 15.48   | 15.5    | 16.5    |
|           | 16QAM      | 1       | 0         | 15.69   | 15.72   | 15.48   | 16.5    |
|           |            | 1       | 7         | 15.24   | 14.61   | 15.83   | 16.5    |
|           |            | 1       | 14        | 15.32   | 15.8    | 16.09   | 16.5    |
|           |            | 8       | 0         | 15.56   | 15.23   | 14.95   | 16.5    |
|           |            | 8       | 4         | 15.45   | 15.45   | 15.71   | 16.5    |
|           |            | 8       | 7         | 15.4    | 15.31   | 15.49   | 16.5    |
|           |            | 15      | 0         | 15.42   | 15.3    | 15.47   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.56   | 15.21   | 15.32   | 16.5    |
|           |            | 1       | 7         | 15.34   | 15.06   | 15.07   | 16.5    |
|           |            | 1       | 14        | 15.39   | 15.52   | 15.49   | 16.5    |
|           |            | 8       | 0         | 15.2    | 15.25   | 15.51   | 16.5    |
|           |            | 8       | 4         | 15.25   | 15.3    | 15.32   | 16.5    |
|           |            | 8       | 7         | 15.08   | 15.14   | 15.37   | 16.5    |
|           |            | 15      | 0         | 15.31   | 15.23   | 15.3    | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 15.51   | 15.29   | 15.42   | 16.5    |
|           |            | 1       | 13        | 15.35   | 15.48   | 15.47   | 16.5    |
|           |            | 1       | 24        | 15.45   | 15.53   | 15.5    | 16.5    |
|           |            | 12      | 0         | 15.45   | 15.43   | 15.57   | 16.5    |
|           |            | 12      | 6         | 15.39   | 15.35   | 15.46   | 16.5    |
|           |            | 12      | 13        | 15.46   | 15.48   | 15.64   | 16.5    |
|           |            | 25      | 0         | 15.32   | 15.37   | 15.59   | 16.5    |
|           | 16QAM      | 1       | 0         | 15.79   | 15.35   | 15.5    | 16.5    |
|           |            | 1       | 13        | 15.63   | 15.78   | 15.88   | 16.5    |
|           |            | 1       | 24        | 15.8    | 15.71   | 15.74   | 16.5    |
|           |            | 12      | 0         | 15.54   | 15.39   | 15.4    | 16.5    |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 6         | 15.52   | 15.57   | 15.59   | 16.5    |
|           |            | 12      | 13        | 15.5    | 15.39   | 15.56   | 16.5    |
|           |            | 25      | 0         | 15.19   | 15.39   | 15.53   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.58   | 15.26   | 15.34   | 16.5    |
|           |            | 1       | 13        | 15.29   | 15.1    | 15.06   | 16.5    |
|           |            | 1       | 24        | 15.4    | 15.53   | 15.42   | 16.5    |
|           |            | 12      | 0         | 15.13   | 15.33   | 15.5    | 16.5    |
|           |            | 12      | 6         | 15.2    | 15.32   | 15.3    | 16.5    |
|           |            | 12      | 13        | 15.02   | 15.14   | 15.37   | 16.5    |
|           |            | 25      | 0         | 15.39   | 15.14   | 15.34   | 16.5    |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz     | QPSK       | 1       | 0         | 15.47   | 15.39   | 15.54   | 16.5    |
|           |            | 1       | 25        | 14.78   | 14.43   | 14.94   | 16.5    |
|           |            | 1       | 49        | 15.35   | 15.5    | 15.53   | 16.5    |
|           |            | 25      | 0         | 15.4    | 15.37   | 15.41   | 16.5    |
|           |            | 25      | 13        | 15.43   | 15.46   | 15.44   | 16.5    |
|           |            | 25      | 25        | 15.39   | 15.47   | 15.61   | 16.5    |
|           |            | 50      | 0         | 15.42   | 15.44   | 15.57   | 16.5    |
|           | 16QAM      | 1       | 0         | 15.51   | 15.64   | 15.38   | 16.5    |
|           |            | 1       | 25        | 16.1    | 16.06   | 15.87   | 16.5    |
|           |            | 1       | 49        | 15.82   | 15.91   | 16.07   | 16.5    |
|           |            | 25      | 0         | 15.29   | 15.39   | 15.45   | 16.5    |
|           |            | 25      | 13        | 15.15   | 15.29   | 15.53   | 16.5    |
|           |            | 25      | 25        | 15.31   | 15.41   | 15.59   | 16.5    |
|           |            | 50      | 0         | 15.34   | 15.39   | 15.38   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.5    | 15.22   | 15.32   | 16.5    |
|           |            | 1       | 25        | 15.29   | 15.05   | 15.08   | 16.5    |
|           |            | 1       | 49        | 15.39   | 15.51   | 15.51   | 16.5    |
|           |            | 25      | 0         | 15.2    | 15.3    | 15.51   | 16.5    |
|           |            | 25      | 13        | 15.27   | 15.33   | 15.3    | 16.5    |
|           |            | 25      | 25        | 15.02   | 15.12   | 15.36   | 16.5    |
|           |            | 50      | 0         | 15.34   | 15.16   | 15.32   | 16.5    |

| LTE Band 12 Receiver on(Right head) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 15                   | 14.91   | 15.15   | 16      |
|  |            | 1       | 2         | 15.18                | 14.64   | 15.36   | 16      |
|  |            | 1       | 5         | 14.96                | 15.03   | 15.16   | 16      |
|  |            | 3       | 0         | 14.93                | 14.89   | 14.92   | 16      |
|  |            | 3       | 2         | 14.92                | 14.84   | 14.63   | 16      |
|  |            | 3       | 3         | 14.74                | 14.94   | 14.97   | 16      |
|  |            | 6       | 0         | 14.98                | 15.06   | 14.71   | 16      |
|  | 16QAM      | 1       | 0         | 14.88                | 15.37   | 15.63   | 16      |
|  |            | 1       | 2         | 15.16                | 14.89   | 15.37   | 16      |

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|           |            | 1       | 5         | 15.13   | 14.94   | 15.51   | 16      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 0         | 14.89   | 14.96   | 15.13   | 16      |
|           |            | 3       | 2         | 14.73   | 14.73   | 14.94   | 16      |
|           |            | 3       | 3         | 14.82   | 14.93   | 15.1    | 16      |
|           |            | 6       | 0         | 15.21   | 15.06   | 14.96   | 16      |
|           | 64QAM      | 1       | 0         | 15.09   | 14.61   | 14.74   | 16      |
|           |            | 1       | 2         | 14.72   | 14.52   | 14.46   | 16      |
|           |            | 1       | 5         | 14.79   | 14.97   | 14.94   | 16      |
|           |            | 3       | 0         | 14.65   | 14.75   | 15.05   | 16      |
|           |            | 3       | 2         | 14.66   | 14.8    | 14.77   | 16      |
|           |            | 3       | 3         | 14.49   | 14.58   | 14.87   | 16      |
|           |            | 6       | 0         | 14.84   | 14.61   | 14.82   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23025   | 23095   | 23165   |         |
| 3MHz      | QPSK       | 1       | 0         | 14.86   | 14.84   | 15.11   | 16      |
|           |            | 1       | 7         | 14.54   | 14.06   | 15.2    | 16      |
|           |            | 1       | 14        | 14.94   | 14.94   | 15.03   | 16      |
|           |            | 8       | 0         | 14.87   | 14.84   | 15.09   | 16      |
|           |            | 8       | 4         | 14.87   | 14.98   | 15.19   | 16      |
|           |            | 8       | 7         | 14.88   | 14.9    | 14.92   | 16      |
|           |            | 15      | 0         | 14.87   | 14.96   | 15.18   | 16      |
|           | 16QAM      | 1       | 0         | 15.13   | 15.58   | 15.39   | 16      |
|           |            | 1       | 7         | 15.13   | 14.2    | 15.05   | 16      |
|           |            | 1       | 14        | 15.23   | 15.08   | 15.32   | 16      |
|           |            | 8       | 0         | 14.59   | 14.41   | 15.03   | 16      |
|           |            | 8       | 4         | 14.87   | 14.92   | 14.99   | 16      |
|           |            | 8       | 7         | 15.28   | 14.98   | 14.88   | 16      |
|           |            | 15      | 0         | 14.6    | 14.98   | 15.14   | 16      |
|           | 64QAM      | 1       | 0         | 15.02   | 14.64   | 14.7    | 16      |
|           |            | 1       | 7         | 14.73   | 14.58   | 14.45   | 16      |
|           |            | 1       | 14        | 14.74   | 14.91   | 14.88   | 16      |
|           |            | 8       | 0         | 14.65   | 14.68   | 14.98   | 16      |
|           |            | 8       | 4         | 14.72   | 14.8    | 14.82   | 16      |
|           |            | 8       | 7         | 14.48   | 14.61   | 14.9    | 16      |
|           |            | 15      | 0         | 14.8    | 14.66   | 14.75   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 15      | 14.88   | 14.95   | 16      |
|           |            | 1       | 13        | 14.88   | 15.12   | 15.11   | 16      |
|           |            | 1       | 24        | 14.95   | 14.91   | 15.18   | 16      |
|           |            | 12      | 0         | 14.99   | 14.97   | 15.04   | 16      |
|           |            | 12      | 6         | 14.88   | 14.9    | 14.87   | 16      |
|           |            | 12      | 13        | 14.99   | 14.98   | 15.22   | 16      |
|           |            | 25      | 0         | 14.85   | 14.85   | 15.09   | 16      |
|           | 16QAM      | 1       | 0         | 15.45   | 15.11   | 15.4    | 16      |
|           |            | 1       | 13        | 14.9    | 15.5    | 15.17   | 16      |
|           |            | 1       | 24        | 15.07   | 15.25   | 14.91   | 16      |

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|  |           |            |         |           |         |         |         |
|--|-----------|------------|---------|-----------|---------|---------|---------|
|  |           | 12         | 0       | 14.86     | 14.95   | 15.07   | 16      |
|  |           | 12         | 6       | 14.82     | 14.88   | 15.06   | 16      |
|  |           | 12         | 13      | 14.86     | 14.98   | 15.05   | 16      |
|  |           | 25         | 0       | 14.96     | 14.82   | 15.08   | 16      |
|  | 64QAM     | 1          | 0       | 15.03     | 14.61   | 14.67   | 16      |
|  |           | 1          | 13      | 14.74     | 14.5    | 14.5    | 16      |
|  |           | 1          | 24      | 14.8      | 14.92   | 14.91   | 16      |
|  |           | 12         | 0       | 14.66     | 14.66   | 15.06   | 16      |
|  |           | 12         | 6       | 14.68     | 14.78   | 14.82   | 16      |
|  |           | 12         | 13      | 14.44     | 14.56   | 14.86   | 16      |
|  |           | 25         | 0       | 14.84     | 14.57   | 14.79   | 16      |
|  |           |            |         |           |         |         |         |
|  | Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel |
|  |           |            |         |           | 23060   | 23095   | 23130   |
|  | 10MHz     | QPSK       |         |           |         |         | Tune up |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           | 16QAM      |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           | 64QAM      |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |
|  |           |            |         |           |         |         |         |

| LTE Band 12 Receiver on(Left head) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz                                  | QPSK       | 1       | 0         | 18.56                | 18.41   | 18.63   | 19.5    |
|   |            | 1       | 2         | 18.67                | 18.67   | 17.93   | 19.5    |
|   |            | 1       | 5         | 18.39                | 18.42   | 18.47   | 19.5    |
|   |            | 3       | 0         | 18.5                 | 18.39   | 18.56   | 19.5    |
|   |            | 3       | 2         | 18.58                | 18.46   | 18.77   | 19.5    |
|   |            | 3       | 3         | 18.52                | 18.38   | 18.2    | 19.5    |
|   |            | 6       | 0         | 18.3                 | 18.61   | 18.84   | 19.5    |
|   | 16QAM      | 1       | 0         | 18.46                | 18.77   | 19.08   | 19.5    |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 1              | 2                | 18.73                | 18.6                 | 18.43                | 19.5           |
|                  |                   | 1              | 5                | 18.52                | 19.14                | 19.42                | 19.5           |
|                  |                   | 3              | 0                | 18.68                | 18.15                | 18.49                | 19.5           |
|                  |                   | 3              | 2                | 18.43                | 18.35                | 18.49                | 19.5           |
|                  |                   | 3              | 3                | 18.19                | 18.17                | 18.28                | 19.5           |
|                  |                   | 6              | 0                | 18.2                 | 18.29                | 18.35                | 19.5           |
|                  | 64QAM             | 1              | 0                | 18.53                | 18.03                | 18.18                | 19.5           |
|                  |                   | 1              | 2                | 18.21                | 17.93                | 17.88                | 19.5           |
|                  |                   | 1              | 5                | 18.2                 | 18.42                | 18.41                | 19.5           |
|                  |                   | 3              | 0                | 18.12                | 18.16                | 18.48                | 19.5           |
|                  |                   | 3              | 2                | 18.12                | 18.28                | 18.25                | 19.5           |
|                  |                   | 3              | 3                | 17.91                | 18.06                | 18.35                | 19.5           |
|                  |                   | 6              | 0                | 18.28                | 18.1                 | 18.26                | 19.5           |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 23025</b> | <b>Channel 23095</b> | <b>Channel 23165</b> | <b>Tune up</b> |
| <b>3MHz</b>      | QPSK              | 1              | 0                | 18.6                 | 18.26                | 18.51                | 19.5           |
|                  |                   | 1              | 7                | 18.75                | 18.46                | 17.51                | 19.5           |
|                  |                   | 1              | 14               | 18.26                | 18.46                | 18.44                | 19.5           |
|                  |                   | 8              | 0                | 18.53                | 18.4                 | 18.46                | 19.5           |
|                  |                   | 8              | 4                | 18.6                 | 18.69                | 18.56                | 19.5           |
|                  |                   | 8              | 7                | 18.12                | 18.5                 | 18.55                | 19.5           |
|                  |                   | 15             | 0                | 18.44                | 18.44                | 18.57                | 19.5           |
|                  | 16QAM             | 1              | 0                | 19.17                | 18.78                | 18.44                | 19.5           |
|                  |                   | 1              | 7                | 17.86                | 17.7                 | 17.92                | 19.5           |
|                  |                   | 1              | 14               | 18.9                 | 18.75                | 18.65                | 19.5           |
|                  |                   | 8              | 0                | 18.21                | 18.27                | 18.61                | 19.5           |
|                  |                   | 8              | 4                | 18.26                | 18.54                | 18.04                | 19.5           |
|                  |                   | 8              | 7                | 18.16                | 18.47                | 18.57                | 19.5           |
|                  |                   | 15             | 0                | 18.32                | 18.4                 | 18.54                | 19.5           |
|                  | 64QAM             | 1              | 0                | 18.57                | 18.03                | 18.21                | 19.5           |
|                  |                   | 1              | 7                | 18.14                | 17.96                | 17.89                | 19.5           |
|                  |                   | 1              | 14               | 18.27                | 18.45                | 18.43                | 19.5           |
|                  |                   | 8              | 0                | 18.07                | 18.21                | 18.54                | 19.5           |
|                  |                   | 8              | 4                | 18.16                | 18.28                | 18.18                | 19.5           |
|                  |                   | 8              | 7                | 17.95                | 17.98                | 18.35                | 19.5           |
|                  |                   | 15             | 0                | 18.32                | 18.08                | 18.29                | 19.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 23035</b> | <b>Channel 23095</b> | <b>Channel 23155</b> | <b>Tune up</b> |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 18.52                | 18.39                | 18.44                | 19.5           |
|                  |                   | 1              | 13               | 18.46                | 18.47                | 18.5                 | 19.5           |
|                  |                   | 1              | 24               | 18.34                | 18.42                | 18.55                | 19.5           |
|                  |                   | 12             | 0                | 18.49                | 18.52                | 18.48                | 19.5           |
|                  |                   | 12             | 6                | 18.31                | 18.49                | 18.64                | 19.5           |
|                  |                   | 12             | 13               | 18.47                | 18.46                | 18.75                | 19.5           |
|                  |                   | 25             | 0                | 18.37                | 18.32                | 18.48                | 19.5           |
|                  | 16QAM             | 1              | 0                | 18.72                | 18.41                | 18.32                | 19.5           |
|                  |                   | 1              | 13               | 18.29                | 19.02                | 19                   | 19.5           |

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|       |           |            |         |           |         |         |         |         |
|-------|-----------|------------|---------|-----------|---------|---------|---------|---------|
|       |           | 1          | 24      | 18.93     | 18.7    | 19.04   | 19.5    |         |
|       |           | 12         | 0       | 18.42     | 18.55   | 18.49   | 19.5    |         |
|       |           | 12         | 6       | 18.48     | 18.33   | 18.47   | 19.5    |         |
|       |           | 12         | 13      | 18.42     | 18.59   | 18.6    | 19.5    |         |
|       |           | 25         | 0       | 18.47     | 18.42   | 18.36   | 19.5    |         |
|       | 64QAM     | 1          | 0       | 18.51     | 18.11   | 18.15   | 19.5    |         |
|       |           | 1          | 13      | 18.12     | 17.94   | 17.88   | 19.5    |         |
|       |           | 1          | 24      | 18.27     | 18.39   | 18.41   | 19.5    |         |
|       |           | 12         | 0       | 18.12     | 18.17   | 18.45   | 19.5    |         |
|       |           | 12         | 6       | 18.07     | 18.27   | 18.25   | 19.5    |         |
|       |           | 12         | 13      | 17.96     | 18.07   | 18.28   | 19.5    |         |
|       |           | 25         | 0       | 18.29     | 18.03   | 18.3    | 19.5    |         |
|       | Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|       |           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz | QPSK      | 1          | 0       | 18.44     | 18.45   | 18.32   | 19.5    |         |
|       |           | 1          | 25      | 18.34     | 18.35   | 17.94   | 19.5    |         |
|       |           | 1          | 49      | 18.45     | 18.46   | 18.52   | 19.5    |         |
|       |           | 25         | 0       | 18.42     | 18.43   | 18.42   | 19.5    |         |
|       |           | 25         | 13      | 18.34     | 18.45   | 18.45   | 19.5    |         |
|       |           | 25         | 25      | 18.39     | 18.45   | 18.59   | 19.5    |         |
|       |           | 50         | 0       | 18.26     | 18.44   | 18.59   | 19.5    |         |
|       | 16QAM     | 1          | 0       | 18.88     | 18.21   | 18.73   | 19.5    |         |
|       |           | 1          | 25      | 18.43     | 18.05   | 19      | 19.5    |         |
|       |           | 1          | 49      | 18.76     | 18.85   | 18.78   | 19.5    |         |
|       |           | 25         | 0       | 18.36     | 18.22   | 18.38   | 19.5    |         |
|       |           | 25         | 13      | 18.4      | 18.42   | 18.43   | 19.5    |         |
|       |           | 25         | 25      | 18.23     | 18.37   | 18.41   | 19.5    |         |
|       |           | 50         | 0       | 18.35     | 18.49   | 18.4    | 19.5    |         |
|       | 64QAM     | 1          | 0       | 18.52     | 18.01   | 18.18   | 19.5    |         |
|       |           | 1          | 25      | 18.17     | 17.96   | 17.94   | 19.5    |         |
|       |           | 1          | 49      | 18.24     | 18.46   | 18.44   | 19.5    |         |
|       |           | 25         | 0       | 18.12     | 18.16   | 18.47   | 19.5    |         |
|       |           | 25         | 13      | 18.09     | 18.25   | 18.19   | 19.5    |         |
|       |           | 25         | 25      | 17.97     | 18.06   | 18.31   | 19.5    |         |
|       |           | 50         | 0       | 18.3      | 18.07   | 18.29   | 19.5    |         |

| LTE Band 12 Receiver on(Right head) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz                                   | QPSK       | 1       | 0         | 17.92                | 17.89   | 18.01   | 19      |
|  |            | 1       | 2         | 17.76                | 18.11   | 17.22   | 19      |
|  |            | 1       | 5         | 18.07                | 18.07   | 18.09   | 19      |
|  |            | 3       | 0         | 17.81                | 17.79   | 18.04   | 19      |
|  |            | 3       | 2         | 17.86                | 17.81   | 17.43   | 19      |
|  |            | 3       | 3         | 18.05                | 17.19   | 17.83   | 19      |
|  |            | 6       | 0         | 18.15                | 17.89   | 17.96   | 19      |

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|           | 16QAM      | 1       | 0         | 18.4          | 18.32         | 18.37         | 19      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 2         | 17.78         | 18.93         | 18.15         | 19      |
|           |            | 1       | 5         | 18.33         | 18.04         | 17.99         | 19      |
|           |            | 3       | 0         | 17.82         | 17.96         | 17.9          | 19      |
|           |            | 3       | 2         | 18            | 17.54         | 18.1          | 19      |
|           |            | 3       | 3         | 17.57         | 17.58         | 18.23         | 19      |
|           |            | 6       | 0         | 17.55         | 17.83         | 17.89         | 19      |
|           | 64QAM      | 1       | 0         | 17.93         | 17.43         | 17.66         | 19      |
|           |            | 1       | 2         | 17.63         | 17.36         | 17.42         | 19      |
|           |            | 1       | 5         | 17.67         | 17.87         | 17.88         | 19      |
|           |            | 3       | 0         | 17.6          | 17.66         | 17.91         | 19      |
|           |            | 3       | 2         | 17.52         | 17.68         | 17.64         | 19      |
|           |            | 3       | 3         | 17.39         | 17.53         | 17.77         | 19      |
|           |            | 6       | 0         | 17.78         | 17.48         | 17.76         | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23025 | Channel 23095 | Channel 23165 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 17.9          | 17.92         | 18.06         | 19      |
|           |            | 1       | 7         | 17.92         | 17.21         | 17.7          | 19      |
|           |            | 1       | 14        | 17.99         | 17.91         | 18.07         | 19      |
|           |            | 8       | 0         | 18.1          | 17.74         | 18.09         | 19      |
|           |            | 8       | 4         | 17.91         | 17.69         | 17.96         | 19      |
|           |            | 8       | 7         | 17.9          | 17.82         | 18.13         | 19      |
|           |            | 15      | 0         | 17.81         | 18.01         | 18.05         | 19      |
|           | 16QAM      | 1       | 0         | 17.87         | 18.42         | 18.02         | 19      |
|           |            | 1       | 7         | 17.56         | 17.61         | 17.54         | 19      |
|           |            | 1       | 14        | 18.45         | 18.53         | 18.58         | 19      |
|           |            | 8       | 0         | 18.04         | 18.01         | 18.15         | 19      |
|           |            | 8       | 4         | 17.83         | 17.78         | 18.19         | 19      |
|           |            | 8       | 7         | 17.84         | 17.88         | 17.65         | 19      |
|           |            | 15      | 0         | 17.9          | 17.71         | 17.95         | 19      |
|           | 64QAM      | 1       | 0         | 17.95         | 17.42         | 17.59         | 19      |
|           |            | 1       | 7         | 17.65         | 17.45         | 17.4          | 19      |
|           |            | 1       | 14        | 17.72         | 17.86         | 17.92         | 19      |
|           |            | 8       | 0         | 17.6          | 17.65         | 17.91         | 19      |
|           |            | 8       | 4         | 17.51         | 17.7          | 17.68         | 19      |
|           |            | 8       | 7         | 17.44         | 17.53         | 17.72         | 19      |
|           |            | 15      | 0         | 17.77         | 17.54         | 17.75         | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23035 | Channel 23095 | Channel 23155 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 17.85         | 17.99         | 17.82         | 19      |
|           |            | 1       | 13        | 17.92         | 17.92         | 18.1          | 19      |
|           |            | 1       | 24        | 17.87         | 17.94         | 18.05         | 19      |
|           |            | 12      | 0         | 17.98         | 18.02         | 18.01         | 19      |
|           |            | 12      | 6         | 17.87         | 18.04         | 18            | 19      |
|           |            | 12      | 13        | 18.02         | 18.04         | 18.1          | 19      |
|           |            | 25      | 0         | 17.99         | 17.95         | 18.05         | 19      |
|           | 16QAM      | 1       | 0         | 18.59         | 18.29         | 18.26         | 19      |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 1              | 13               | 17.79                | 17.84                | 18.2                 | 19             |
|                  |                   | 1              | 24               | 18.28                | 18.32                | 18.5                 | 19             |
|                  |                   | 12             | 0                | 17.95                | 17.85                | 17.98                | 19             |
|                  |                   | 12             | 6                | 18                   | 18.08                | 17.9                 | 19             |
|                  |                   | 12             | 13               | 17.91                | 18                   | 18.16                | 19             |
|                  |                   | 25             | 0                | 17.88                | 17.8                 | 18.08                | 19             |
|                  | 64QAM             | 1              | 0                | 17.94                | 17.48                | 17.59                | 19             |
|                  |                   | 1              | 13               | 17.66                | 17.46                | 17.41                | 19             |
|                  |                   | 1              | 24               | 17.73                | 17.87                | 17.86                | 19             |
|                  |                   | 12             | 0                | 17.61                | 17.63                | 17.93                | 19             |
|                  |                   | 12             | 6                | 17.58                | 17.66                | 17.68                | 19             |
|                  |                   | 12             | 13               | 17.39                | 17.52                | 17.78                | 19             |
|                  |                   | 25             | 0                | 17.76                | 17.49                | 17.79                | 19             |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 23060</b> | <b>Channel 23095</b> | <b>Channel 23130</b> | <b>Tune up</b> |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 18.17                | 17.83                | 17.69                | 19             |
|                  |                   | 1              | 25               | 17                   | 17.58                | 17.72                | 19             |
|                  |                   | 1              | 49               | 17.96                | 18.08                | 18.07                | 19             |
|                  |                   | 25             | 0                | 17.91                | 17.88                | 17.9                 | 19             |
|                  |                   | 25             | 13               | 17.86                | 17.95                | 17.97                | 19             |
|                  |                   | 25             | 25               | 18.04                | 17.93                | 18.07                | 19             |
|                  |                   | 50             | 0                | 17.86                | 18.01                | 17.98                | 19             |
|                  | 16QAM             | 1              | 0                | 18.26                | 18.21                | 18.09                | 19             |
|                  |                   | 1              | 25               | 18.03                | 16.9                 | 18.43                | 19             |
|                  |                   | 1              | 49               | 18.3                 | 18.33                | 18.67                | 19             |
|                  |                   | 25             | 0                | 17.86                | 17.92                | 18.02                | 19             |
|                  |                   | 25             | 13               | 17.94                | 17.85                | 17.96                | 19             |
|                  |                   | 25             | 25               | 17.95                | 17.92                | 18.06                | 19             |
|                  |                   | 50             | 0                | 17.77                | 18                   | 17.92                | 19             |
|                  | 64QAM             | 1              | 0                | 17.95                | 17.46                | 17.64                | 19             |
|                  |                   | 1              | 25               | 17.66                | 17.44                | 17.41                | 19             |
|                  |                   | 1              | 49               | 17.67                | 17.9                 | 17.89                | 19             |
|                  |                   | 25             | 0                | 17.59                | 17.64                | 17.95                | 19             |
|                  |                   | 25             | 13               | 17.59                | 17.65                | 17.59                | 19             |
|                  |                   | 25             | 25               | 17.44                | 17.5                 | 17.71                | 19             |
|                  |                   | 50             | 0                | 17.8                 | 17.52                | 17.7                 | 19             |

| LTE Band 12 Receiver off (body or limbs) + BT |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth                                     | Modulation | RB size | RB offset | Channel 23017        | Channel 23095 | Channel 23173 | Tune up |
|   |            |         |           |                      |               |               |         |
| <b>1.4MHz</b>                                 | QPSK       | 1       | 0         | 20.91                | 20.98         | 21.2          | 22      |
|   |            | 1       | 2         | 20.88                | 20.54         | 20.66         | 22      |
|   |            | 1       | 5         | 21.05                | 21.01         | 21            | 22      |
|   |            | 3       | 0         | 21.09                | 20.99         | 21.08         | 22      |
|   |            | 3       | 2         | 20.66                | 20.95         | 20.57         | 22      |
|   |            | 3       | 3         | 20.82                | 20.96         | 20.77         | 22      |

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|           | 16QAM      | 6       | 0         | 20.89         | 20.45         | 20.97         | 22      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 21.27         | 20.91         | 21.62         | 22      |
|           |            | 1       | 2         | 20.94         | 21.25         | 21.01         | 22      |
|           |            | 1       | 5         | 21.09         | 21.08         | 21.34         | 22      |
|           |            | 3       | 0         | 21.17         | 21.01         | 21.3          | 22      |
|           |            | 3       | 2         | 21.06         | 21.46         | 21.12         | 22      |
|           |            | 3       | 3         | 20.89         | 20.6          | 20.95         | 22      |
|           |            | 6       | 0         | 20.86         | 21.2          | 20.83         | 22      |
|           | 64QAM      | 1       | 0         | 20.88         | 20.4          | 20.64         | 22      |
|           |            | 1       | 2         | 20.54         | 20.32         | 20.34         | 22      |
|           |            | 1       | 5         | 20.65         | 20.83         | 20.84         | 22      |
|           |            | 3       | 0         | 20.54         | 20.65         | 20.82         | 22      |
|           |            | 3       | 2         | 20.51         | 20.59         | 20.57         | 22      |
|           |            | 3       | 3         | 20.37         | 20.51         | 20.7          | 22      |
|           |            | 6       | 0         | 19.75         | 19.41         | 19.71         | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23025 | Channel 23095 | Channel 23165 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 21.04         | 21.03         | 20.94         | 22      |
|           |            | 1       | 7         | 20.76         | 20.3          | 20.7          | 22      |
|           |            | 1       | 14        | 20.91         | 21            | 21.05         | 22      |
|           |            | 8       | 0         | 21.07         | 20.79         | 21.01         | 22      |
|           |            | 8       | 4         | 20.82         | 20.97         | 21.02         | 22      |
|           |            | 8       | 7         | 21.04         | 21.03         | 20.65         | 22      |
|           |            | 15      | 0         | 20.98         | 21.13         | 20.89         | 22      |
|           | 16QAM      | 1       | 0         | 20.91         | 21.51         | 21.05         | 22      |
|           |            | 1       | 7         | 21.75         | 20.65         | 20.96         | 22      |
|           |            | 1       | 14        | 21.2          | 21.58         | 21.58         | 22      |
|           |            | 8       | 0         | 20.66         | 20.97         | 21.06         | 22      |
|           |            | 8       | 4         | 21.03         | 21.04         | 21.1          | 22      |
|           |            | 8       | 7         | 20.79         | 20.98         | 20.85         | 22      |
|           |            | 15      | 0         | 20.96         | 20.92         | 20.93         | 22      |
|           | 64QAM      | 1       | 0         | 20.86         | 20.42         | 20.64         | 22      |
|           |            | 1       | 7         | 20.6          | 20.33         | 20.37         | 22      |
|           |            | 1       | 14        | 20.6          | 20.82         | 20.81         | 22      |
|           |            | 8       | 0         | 19.58         | 19.56         | 19.9          | 21      |
|           |            | 8       | 4         | 19.52         | 19.59         | 19.53         | 21      |
|           |            | 8       | 7         | 19.42         | 19.45         | 19.62         | 21      |
|           |            | 15      | 0         | 19.71         | 19.43         | 19.63         | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23035 | Channel 23095 | Channel 23155 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 21.03         | 20.93         | 21.05         | 22      |
|           |            | 1       | 13        | 20.9          | 21            | 21.03         | 22      |
|           |            | 1       | 24        | 20.9          | 20.95         | 21.02         | 22      |
|           |            | 12      | 0         | 21.12         | 20.94         | 21            | 22      |
|           |            | 12      | 6         | 20.9          | 21.04         | 20.95         | 22      |
|           |            | 12      | 13        | 21.03         | 21            | 21.18         | 22      |
|           |            | 25      | 0         | 20.9          | 20.91         | 20.96         | 22      |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  | 16QAM             | 1              | 0                | 21.51                | 20.98                | 21.55                | 22             |
|                  |                   | 1              | 13               | 21.12                | 21.35                | 21.35                | 22             |
|                  |                   | 1              | 24               | 21.49                | 21.27                | 21.48                | 22             |
|                  |                   | 12             | 0                | 21                   | 21.06                | 20.95                | 22             |
|                  |                   | 12             | 6                | 20.89                | 20.88                | 21.02                | 22             |
|                  |                   | 12             | 13               | 21.01                | 20.87                | 21.02                | 22             |
|                  |                   | 25             | 0                | 20.84                | 20.86                | 20.94                | 22             |
|                  | 64QAM             | 1              | 0                | 20.84                | 20.37                | 20.65                | 22             |
|                  |                   | 1              | 13               | 20.61                | 20.3                 | 20.34                | 22             |
|                  |                   | 1              | 24               | 20.65                | 20.81                | 20.79                | 22             |
|                  |                   | 12             | 0                | 19.51                | 19.56                | 19.94                | 21             |
|                  |                   | 12             | 6                | 19.51                | 19.57                | 19.57                | 21             |
|                  |                   | 12             | 13               | 19.41                | 19.42                | 19.62                | 21             |
|                  |                   | 25             | 0                | 19.79                | 19.46                | 19.69                | 21             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 23060</b> | <b>Channel 23095</b> | <b>Channel 23130</b> | <b>Tune up</b> |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 20.93                | 20.94                | 20.91                | 22             |
|                  |                   | 1              | 25               | 20.57                | 21.11                | 20.8                 | 22             |
|                  |                   | 1              | 49               | 21.04                | 21.17                | 21.1                 | 22             |
|                  |                   | 25             | 0                | 21.09                | 20.93                | 20.98                | 22             |
|                  |                   | 25             | 13               | 20.94                | 20.91                | 20.9                 | 22             |
|                  |                   | 25             | 25               | 20.99                | 20.98                | 21.07                | 22             |
|                  |                   | 50             | 0                | 20.95                | 21.05                | 21.11                | 22             |
|                  | 16QAM             | 1              | 0                | 21.31                | 20.92                | 21.18                | 22             |
|                  |                   | 1              | 25               | 21.34                | 21.07                | 21.6                 | 22             |
|                  |                   | 1              | 49               | 21.24                | 21.59                | 20.72                | 22             |
|                  |                   | 25             | 0                | 21.01                | 20.96                | 21.05                | 22             |
|                  |                   | 25             | 13               | 21.08                | 20.85                | 20.91                | 22             |
|                  |                   | 25             | 25               | 20.72                | 20.88                | 21.1                 | 22             |
|                  |                   | 50             | 0                | 20.99                | 20.88                | 20.99                | 22             |
|                  | 64QAM             | 1              | 0                | 20.85                | 20.42                | 20.64                | 22             |
|                  |                   | 1              | 25               | 20.58                | 20.33                | 20.4                 | 22             |
|                  |                   | 1              | 49               | 20.6                 | 20.77                | 20.85                | 22             |
|                  |                   | 25             | 0                | 19.51                | 19.54                | 19.92                | 21             |
|                  |                   | 25             | 13               | 19.57                | 19.61                | 19.53                | 21             |
|                  |                   | 25             | 25               | 19.44                | 19.5                 | 19.65                | 21             |
|                  |                   | 50             | 0                | 19.7                 | 19.45                | 19.68                | 21             |

| LTE Band 12 Receiver on(Left head) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 17.42                | 17.46   | 17.59   | 18.5    |
|  |            | 1       | 2         | 17.26                | 17.66   | 17.03   | 18.5    |
|  |            | 1       | 5         | 17.55                | 17.55   | 17.53   | 18.5    |
|  |            | 3       | 0         | 17.4                 | 17.52   | 17.2    | 18.5    |
|  |            | 3       | 2         | 17.28                | 17.1    | 16.97   | 18.5    |

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|           |            |            |           |           |         |         |         |         |
|-----------|------------|------------|-----------|-----------|---------|---------|---------|---------|
|           |            | 3          | 3         | 17.46     | 17.46   | 17.52   | 18.5    |         |
|           |            | 6          | 0         | 17.74     | 17.34   | 17.29   | 18.5    |         |
|           | 16QAM      | 1          | 0         | 17.88     | 17.99   | 18.11   | 18.5    |         |
|           |            | 1          | 2         | 17.7      | 17.05   | 17.77   | 18.5    |         |
|           |            | 1          | 5         | 17.74     | 17.95   | 17.54   | 18.5    |         |
|           |            | 3          | 0         | 17.42     | 16.92   | 17.54   | 18.5    |         |
|           |            | 3          | 2         | 17.57     | 16.81   | 17.89   | 18.5    |         |
|           |            | 3          | 3         | 17.33     | 17.43   | 17.18   | 18.5    |         |
|           |            | 6          | 0         | 17.65     | 17.33   | 17.31   | 18.5    |         |
|           |            | 64QAM      | 1         | 0         | 17.37   | 16.91   | 17.07   | 18.5    |
|           | 1          |            | 2         | 17.07     | 16.88   | 16.81   | 18.5    |         |
|           | 1          |            | 5         | 17.15     | 17.3    | 17.33   | 18.5    |         |
|           | 3          |            | 0         | 17.04     | 17.09   | 17.43   | 18.5    |         |
|           | 3          |            | 2         | 17.04     | 17.13   | 17.05   | 18.5    |         |
|           | 3          |            | 3         | 16.9      | 16.93   | 17.18   | 18.5    |         |
|           | 6          |            | 0         | 17.23     | 16.97   | 17.12   | 18.5    |         |
| Bandwidth | Modulation | RB size    | RB offset | Channel   | Channel | Channel | Tune up |         |
|           |            |            |           | 23025     | 23095   | 23165   |         |         |
| 3MHz      | QPSK       | 1          | 0         | 17.55     | 17.45   | 17.62   | 18.5    |         |
|           |            | 1          | 7         | 16.03     | 17.15   | 17.83   | 18.5    |         |
|           |            | 1          | 14        | 17.45     | 17.59   | 17.55   | 18.5    |         |
|           |            | 8          | 0         | 17.46     | 17.41   | 17.55   | 18.5    |         |
|           |            | 8          | 4         | 17.43     | 17.23   | 17.74   | 18.5    |         |
|           |            | 8          | 7         | 17.23     | 17.43   | 17.51   | 18.5    |         |
|           |            | 15         | 0         | 17.45     | 17.4    | 17.45   | 18.5    |         |
|           | 16QAM      | 1          | 0         | 17.67     | 17.81   | 18.09   | 18.5    |         |
|           |            | 1          | 7         | 17.46     | 16.38   | 17.3    | 18.5    |         |
|           |            | 1          | 14        | 17.64     | 17.5    | 17.41   | 18.5    |         |
|           |            | 8          | 0         | 17.33     | 17.67   | 17.42   | 18.5    |         |
|           |            | 8          | 4         | 17.15     | 17.39   | 17.46   | 18.5    |         |
|           |            | 8          | 7         | 17.32     | 17.31   | 17.57   | 18.5    |         |
|           |            | 15         | 0         | 17.19     | 17.29   | 17.56   | 18.5    |         |
|           | 64QAM      | 1          | 0         | 17.43     | 16.91   | 17.13   | 18.5    |         |
|           |            | 1          | 7         | 17.11     | 16.84   | 16.84   | 18.5    |         |
|           |            | 1          | 14        | 17.16     | 17.33   | 17.33   | 18.5    |         |
|           |            | 8          | 0         | 16.99     | 17.13   | 17.36   | 18.5    |         |
|           |            | 8          | 4         | 17.04     | 17.13   | 17      | 18.5    |         |
|           |            | 8          | 7         | 16.89     | 16.92   | 17.16   | 18.5    |         |
|           |            | 15         | 0         | 17.23     | 17      | 17.14   | 18.5    |         |
|           | Bandwidth  | Modulation | RB size   | RB offset | Channel | Channel | Channel | Tune up |
|           |            |            |           |           | 23035   | 23095   | 23155   |         |
|           | 5MHz       | QPSK       | 1         | 0         | 17.45   | 17.28   | 17.4    | 18.5    |
| 1         |            |            | 13        | 17.56     | 17.45   | 17.55   | 18.5    |         |
| 1         |            |            | 24        | 17.45     | 17.48   | 17.46   | 18.5    |         |
| 12        |            |            | 0         | 17.4      | 17.39   | 17.52   | 18.5    |         |
| 12        |            |            | 6         | 17.49     | 17.46   | 17.4    | 18.5    |         |
| 12        |            |            | 13        | 17.47     | 17.52   | 17.68   | 18.5    |         |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  | 16QAM             | 25             | 0                | 17.42                | 17.4                 | 17.51                | 18.5           |
|                  |                   | 1              | 0                | 17.78                | 17.26                | 17.73                | 18.5           |
|                  |                   | 1              | 13               | 17.3                 | 17.44                | 17.4                 | 18.5           |
|                  |                   | 1              | 24               | 18.11                | 17.78                | 18.13                | 18.5           |
|                  |                   | 12             | 0                | 17.49                | 17.46                | 17.51                | 18.5           |
|                  |                   | 12             | 6                | 17.43                | 17.44                | 17.43                | 18.5           |
|                  |                   | 12             | 13               | 17.36                | 17.43                | 17.72                | 18.5           |
|                  |                   | 25             | 0                | 17.35                | 17.32                | 17.44                | 18.5           |
|                  | 64QAM             | 1              | 0                | 17.36                | 16.92                | 17.1                 | 18.5           |
|                  |                   | 1              | 13               | 17.16                | 16.86                | 16.81                | 18.5           |
|                  |                   | 1              | 24               | 17.08                | 17.38                | 17.34                | 18.5           |
|                  |                   | 12             | 0                | 17.02                | 17.09                | 17.39                | 18.5           |
|                  |                   | 12             | 6                | 16.99                | 17.13                | 17.04                | 18.5           |
|                  |                   | 12             | 13               | 16.84                | 17                   | 17.19                | 18.5           |
|                  |                   | 25             | 0                | 17.3                 | 16.95                | 17.2                 | 18.5           |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 23060</b> | <b>Channel 23095</b> | <b>Channel 23130</b> | <b>Tune up</b> |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 17.45                | 17.38                | 17.33                | 18.5           |
|                  |                   | 1              | 25               | 17.02                | 16.82                | 17.62                | 18.5           |
|                  |                   | 1              | 49               | 17.54                | 17.69                | 17.65                | 18.5           |
|                  |                   | 25             | 0                | 17.46                | 17.45                | 17.51                | 18.5           |
|                  |                   | 25             | 13               | 17.44                | 17.39                | 17.35                | 18.5           |
|                  |                   | 25             | 25               | 17.34                | 17.56                | 17.48                | 18.5           |
|                  |                   | 50             | 0                | 17.4                 | 17.37                | 17.61                | 18.5           |
|                  |                   |                |                  |                      |                      |                      |                |
|                  | 16QAM             | 1              | 0                | 17.93                | 17.61                | 17.55                | 18.5           |
|                  |                   | 1              | 25               | 17.73                | 17.71                | 17.74                | 18.5           |
|                  |                   | 1              | 49               | 17.82                | 17.89                | 18.14                | 18.5           |
|                  |                   | 25             | 0                | 17.43                | 17.27                | 17.36                | 18.5           |
|                  |                   | 25             | 13               | 17.37                | 17.31                | 17.45                | 18.5           |
|                  |                   | 25             | 25               | 17.24                | 17.38                | 17.46                | 18.5           |
|                  |                   | 50             | 0                | 17.28                | 17.3                 | 17.43                | 18.5           |
|                  |                   |                |                  |                      |                      |                      |                |
|                  | 64QAM             | 1              | 0                | 17.44                | 16.92                | 17.1                 | 18.5           |
|                  |                   | 1              | 25               | 17.09                | 16.84                | 16.84                | 18.5           |
|                  |                   | 1              | 49               | 17.1                 | 17.39                | 17.31                | 18.5           |
|                  |                   | 25             | 0                | 17.01                | 17.06                | 17.41                | 18.5           |
|                  |                   | 25             | 13               | 17.03                | 17.14                | 17.09                | 18.5           |
|                  |                   | 25             | 25               | 16.86                | 16.94                | 17.14                | 18.5           |
|                  |                   | 50             | 0                | 17.23                | 16.99                | 17.12                | 18.5           |
|                  |                   |                |                  |                      |                      |                      |                |

| LTE Band 12 Receiver on(Right head) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 17.13                | 16.92   | 17.07   | 18      |
|   |            | 1       | 2         | 16.52                | 17.36   | 16.6    | 18      |
|   |            | 1       | 5         | 16.97                | 17.03   | 17.09   | 18      |
|   |            | 3       | 0         | 16.93                | 16.84   | 17.07   | 18      |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 3              | 2                | 16.85                | 17.05                | 16.93                | 18             |
|                  |                   | 3              | 3                | 16.74                | 16.85                | 16.79                | 18             |
|                  |                   | 6              | 0                | 16.61                | 16.94                | 17.11                | 18             |
|                  | 16QAM             | 1              | 0                | 17.32                | 17.15                | 17.46                | 18             |
|                  |                   | 1              | 2                | 16.52                | 17.2                 | 17.29                | 18             |
|                  |                   | 1              | 5                | 17.34                | 17.41                | 17.63                | 18             |
|                  |                   | 3              | 0                | 16.9                 | 16.81                | 17.16                | 18             |
|                  |                   | 3              | 2                | 16.8                 | 16.51                | 17.11                | 18             |
|                  |                   | 3              | 3                | 17.08                | 17.04                | 17.14                | 18             |
|                  |                   | 6              | 0                | 17.18                | 16.74                | 16.24                | 18             |
|                  |                   | 1              | 0                | 16.79                | 16.39                | 16.49                | 18             |
|                  | 64QAM             | 1              | 2                | 16.5                 | 16.38                | 16.24                | 18             |
|                  |                   | 1              | 5                | 16.6                 | 16.79                | 16.77                | 18             |
|                  |                   | 3              | 0                | 16.51                | 16.53                | 16.85                | 18             |
|                  |                   | 3              | 2                | 16.5                 | 16.6                 | 16.45                | 18             |
|                  |                   | 3              | 3                | 16.31                | 16.4                 | 16.59                | 18             |
|                  |                   | 6              | 0                | 16.66                | 16.45                | 16.52                | 18             |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 23025</b> | <b>Channel 23095</b> | <b>Channel 23165</b> | <b>Tune up</b> |
| <b>3MHz</b>      | QPSK              | 1              | 0                | 17.08                | 16.94                | 17.09                | 18             |
|                  |                   | 1              | 7                | 15.76                | 17.96                | 16.75                | 18             |
|                  |                   | 1              | 14               | 16.95                | 16.95                | 17.09                | 18             |
|                  |                   | 8              | 0                | 16.75                | 16.89                | 17.06                | 18             |
|                  |                   | 8              | 4                | 17.16                | 16.97                | 17.13                | 18             |
|                  |                   | 8              | 7                | 16.79                | 16.72                | 17.01                | 18             |
|                  |                   | 15             | 0                | 16.84                | 16.9                 | 16.96                | 18             |
|                  | 16QAM             | 1              | 0                | 17.45                | 17.25                | 16.96                | 18             |
|                  |                   | 1              | 7                | 17.35                | 17.32                | 17.01                | 18             |
|                  |                   | 1              | 14               | 16.92                | 17.52                | 17.51                | 18             |
|                  |                   | 8              | 0                | 16.9                 | 16.88                | 17.2                 | 18             |
|                  |                   | 8              | 4                | 16.89                | 17.04                | 17.05                | 18             |
|                  |                   | 8              | 7                | 16.83                | 16.84                | 16.96                | 18             |
|                  |                   | 15             | 0                | 16.93                | 16.84                | 17.16                | 18             |
|                  | 64QAM             | 1              | 0                | 16.78                | 16.37                | 16.56                | 18             |
|                  |                   | 1              | 7                | 16.47                | 16.35                | 16.24                | 18             |
|                  |                   | 1              | 14               | 16.6                 | 16.78                | 16.75                | 18             |
|                  |                   | 8              | 0                | 16.53                | 16.49                | 16.9                 | 18             |
|                  |                   | 8              | 4                | 16.49                | 16.63                | 16.5                 | 18             |
|                  |                   | 8              | 7                | 16.34                | 16.38                | 16.65                | 18             |
|                  |                   | 15             | 0                | 16.65                | 16.44                | 16.56                | 18             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 23035</b> | <b>Channel 23095</b> | <b>Channel 23155</b> | <b>Tune up</b> |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 17.02                | 16.88                | 17.09                | 18             |
|                  |                   | 1              | 13               | 16.89                | 16.92                | 17.13                | 18             |
|                  |                   | 1              | 24               | 17.03                | 17.01                | 16.96                | 18             |
|                  |                   | 12             | 0                | 17.04                | 16.94                | 17.04                | 18             |
|                  |                   | 12             | 6                | 16.65                | 16.78                | 17.05                | 18             |

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|       |           |            |         |           |         |         |         |
|-------|-----------|------------|---------|-----------|---------|---------|---------|
|       |           | 12         | 13      | 16.99     | 16.95   | 17.22   | 18      |
|       |           | 25         | 0       | 16.99     | 16.96   | 17.12   | 18      |
|       | 16QAM     | 1          | 0       | 17.23     | 16.77   | 17.28   | 18      |
|       |           | 1          | 13      | 17.01     | 17.37   | 17.5    | 18      |
|       |           | 1          | 24      | 17.36     | 17.4    | 17.22   | 18      |
|       |           | 12         | 0       | 16.94     | 17.09   | 16.92   | 18      |
|       |           | 12         | 6       | 16.91     | 17      | 16.99   | 18      |
|       |           | 12         | 13      | 16.92     | 16.92   | 17.04   | 18      |
|       |           | 25         | 0       | 16.89     | 16.83   | 16.97   | 18      |
|       |           | 1          | 0       | 16.78     | 16.4    | 16.48   | 18      |
|       | 64QAM     | 1          | 13      | 16.54     | 16.35   | 16.22   | 18      |
|       |           | 1          | 24      | 16.57     | 16.73   | 16.81   | 18      |
|       |           | 12         | 0       | 16.49     | 16.52   | 16.89   | 18      |
|       |           | 12         | 6       | 16.47     | 16.59   | 16.49   | 18      |
|       |           | 12         | 13      | 16.38     | 16.38   | 16.58   | 18      |
|       |           | 25         | 0       | 16.71     | 16.39   | 16.57   | 18      |
|       | Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel |
|       |           |            |         |           | 23060   | 23095   | 23130   |
| 10MHz | QPSK      |            | 1       | 0         | 16.93   | 16.91   | 16.82   |
|       |           |            | 1       | 25        | 17.1    | 17.11   | 17.04   |
|       |           |            | 1       | 49        | 17.09   | 16.95   | 16.99   |
|       |           |            | 25      | 0         | 16.93   | 16.86   | 16.91   |
|       |           |            | 25      | 13        | 16.96   | 17.02   | 16.95   |
|       |           |            | 25      | 25        | 16.96   | 17      | 17.05   |
|       |           |            | 50      | 0         | 16.99   | 16.98   | 17.03   |
|       |           |            | 1       | 0         | 17.13   | 16.91   | 17      |
|       | 16QAM     |            | 1       | 25        | 16.88   | 16.94   | 16.98   |
|       |           |            | 1       | 49        | 17.48   | 17.5    | 17.39   |
|       |           |            | 25      | 0         | 16.87   | 16.82   | 16.8    |
|       |           |            | 25      | 13        | 16.98   | 16.86   | 16.74   |
|       |           |            | 25      | 25        | 16.88   | 16.98   | 16.95   |
|       |           |            | 50      | 0         | 16.9    | 16.88   | 16.9    |
|       | 64QAM     |            | 1       | 0         | 16.86   | 16.39   | 16.5    |
|       |           |            | 1       | 25        | 16.51   | 16.3    | 16.3    |
|       |           |            | 1       | 49        | 16.56   | 16.72   | 16.82   |
|       |           |            | 25      | 0         | 16.45   | 16.56   | 16.86   |
|       |           |            | 25      | 13        | 16.48   | 16.6    | 16.49   |
|       |           |            | 25      | 25        | 16.36   | 16.37   | 16.58   |
|       |           |            | 50      | 0         | 16.64   | 16.68   | 16.53   |
|       |           |            | 1       | 0         | 16.93   | 16.91   | 16.82   |
|       |           |            | 1       | 25        | 17.1    | 17.11   | 17.04   |
|       |           |            | 1       | 49        | 17.09   | 16.95   | 16.99   |
|       |           |            | 25      | 0         | 16.93   | 16.86   | 16.91   |
|       |           |            | 25      | 13        | 16.96   | 17.02   | 16.95   |
|       |           |            | 25      | 25        | 16.96   | 17      | 17.05   |
|       |           |            | 50      | 0         | 16.99   | 16.98   | 17.03   |
|       |           |            | 1       | 0         | 17.13   | 16.91   | 17      |
|       |           |            | 1       | 25        | 16.88   | 16.94   | 16.98   |
|       |           |            | 1       | 49        | 17.48   | 17.5    | 17.39   |
|       |           |            | 25      | 0         | 16.87   | 16.82   | 16.8    |
|       |           |            | 25      | 13        | 16.98   | 16.86   | 16.74   |
|       |           |            | 25      | 25        | 16.88   | 16.98   | 16.95   |
|       |           |            | 50      | 0         | 16.9    | 16.88   | 16.9    |
|       |           |            | 1       | 0         | 16.86   | 16.39   | 16.5    |
|       |           |            | 1       | 25        | 16.51   | 16.3    | 16.3    |
|       |           |            | 1       | 49        | 16.56   | 16.72   | 16.82   |
|       |           |            | 25      | 0         | 16.45   | 16.56   | 16.86   |
|       |           |            | 25      | 13        | 16.48   | 16.6    | 16.49   |
|       |           |            | 25      | 25        | 16.36   | 16.37   | 16.58   |
|       |           |            | 50      | 0         | 16.64   | 16.68   | 16.53   |

| LTE Band 12 Receiver off (body or limbs) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 19.98                | 19.98   | 20.12   | 21      |
|  |            | 1       | 2         | 19.26                | 19.03   | 18.94   | 21      |
|  |            | 1       | 5         | 19.91                | 19.99   | 20.03   | 21      |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 3              | 0                | 19.88          | 19.89          | 20.08          | 21             |
|                  |                   | 3              | 2                | 20.13          | 20.17          | 19.25          | 21             |
|                  |                   | 3              | 3                | 20.14          | 20             | 19.81          | 21             |
|                  |                   | 6              | 0                | 20.11          | 19.94          | 20.03          | 21             |
|                  | 16QAM             | 1              | 0                | 20.2           | 20.02          | 20.51          | 21             |
|                  |                   | 1              | 2                | 19.72          | 18.68          | 20.29          | 21             |
|                  |                   | 1              | 5                | 20.39          | 20.43          | 20.49          | 21             |
|                  |                   | 3              | 0                | 20.32          | 19.96          | 20.11          | 21             |
|                  |                   | 3              | 2                | 19.87          | 20.06          | 19.38          | 21             |
|                  |                   | 3              | 3                | 19.67          | 19.6           | 20.14          | 21             |
|                  |                   | 6              | 0                | 20.04          | 19.83          | 19.69          | 21             |
|                  |                   |                |                  |                |                |                |                |
|                  | 64QAM             | 1              | 0                | 19.92          | 19.79          | 20.19          | 21             |
|                  |                   | 1              | 2                | 19.54          | 18.44          | 20.26          | 21             |
|                  |                   | 1              | 5                | 20.24          | 20.19          | 20.39          | 21             |
|                  |                   | 3              | 0                | 20.1           | 19.86          | 20.1           | 21             |
|                  |                   | 3              | 2                | 19.68          | 20             | 19.16          | 21             |
|                  |                   | 3              | 3                | 19.46          | 19.46          | 20.07          | 21             |
|                  |                   | 6              | 0                | 19.87          | 19.64          | 19.44          | 21             |
|                  |                   |                |                  |                |                |                |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 23025          | 23095          | 23165          |                |
| <b>3MHz</b>      | QPSK              | 1              | 0                | 20.01          | 19.88          | 19.99          | 21             |
|                  |                   | 1              | 7                | 19.02          | 20.04          | 20.31          | 21             |
|                  |                   | 1              | 14               | 20             | 20.03          | 20.11          | 21             |
|                  |                   | 8              | 0                | 19.38          | 19.9           | 20.05          | 21             |
|                  |                   | 8              | 4                | 20.14          | 20.12          | 20.19          | 21             |
|                  |                   | 8              | 7                | 19.62          | 19.91          | 19.83          | 21             |
|                  |                   | 15             | 0                | 19.9           | 19.85          | 20.11          | 21             |
|                  |                   |                |                  |                |                |                |                |
|                  | 16QAM             | 1              | 0                | 20.42          | 20.29          | 20.1           | 21             |
|                  |                   | 1              | 7                | 19.63          | 20.77          | 20.06          | 21             |
|                  |                   | 1              | 14               | 20.35          | 20.33          | 20.23          | 21             |
|                  |                   | 8              | 0                | 19.89          | 19.99          | 19.85          | 21             |
|                  |                   | 8              | 4                | 19.94          | 19.89          | 20.24          | 21             |
|                  |                   | 8              | 7                | 19.71          | 20             | 19.97          | 21             |
|                  |                   | 15             | 0                | 19.95          | 19.94          | 19.91          | 21             |
|                  |                   |                |                  |                |                |                |                |
|                  | 64QAM             | 1              | 0                | 20.3           | 20.24          | 19.94          | 21             |
|                  |                   | 1              | 7                | 19.54          | 20.62          | 19.99          | 21             |
|                  |                   | 1              | 14               | 20.13          | 20.05          | 20.05          | 21             |
|                  |                   | 8              | 0                | 19.67          | 19.81          | 19.61          | 21             |
|                  |                   | 8              | 4                | 19.92          | 19.68          | 20.09          | 21             |
|                  |                   | 8              | 7                | 19.51          | 19.77          | 19.85          | 21             |
|                  |                   | 15             | 0                | 19.94          | 19.81          | 19.74          | 21             |
|                  |                   |                |                  |                |                |                |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 23035          | 23095          | 23155          |                |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 19.94          | 19.84          | 19.97          | 21             |
|                  |                   | 1              | 13               | 19.93          | 20.07          | 20.05          | 21             |
|                  |                   | 1              | 24               | 19.99          | 19.92          | 20.04          | 21             |
|                  |                   | 12             | 0                | 19.98          | 19.94          | 20.04          | 21             |

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|       |           |            |         |           |         |         |         |
|-------|-----------|------------|---------|-----------|---------|---------|---------|
|       |           | 12         | 6       | 19.94     | 19.91   | 19.86   | 21      |
|       |           | 12         | 13      | 19.97     | 20      | 20.09   | 21      |
|       |           | 25         | 0       | 19.81     | 19.97   | 20.03   | 21      |
|       | 16QAM     | 1          | 0       | 20.39     | 20.37   | 20.34   | 21      |
|       |           | 1          | 13      | 20.21     | 20.43   | 20.32   | 21      |
|       |           | 1          | 24      | 20.33     | 20.28   | 20.3    | 21      |
|       |           | 12         | 0       | 19.99     | 20.01   | 19.96   | 21      |
|       |           | 12         | 6       | 19.8      | 19.86   | 19.84   | 21      |
|       |           | 12         | 13      | 20        | 19.93   | 20.24   | 21      |
|       |           | 25         | 0       | 19.86     | 19.76   | 20.01   | 21      |
|       |           | 1          | 0       | 20.14     | 19.94   | 20.18   | 21      |
|       | 64QAM     | 1          | 13      | 19.51     | 18.58   | 20.15   | 21      |
|       |           | 1          | 24      | 20.12     | 20.31   | 20.37   | 21      |
|       |           | 12         | 0       | 20.27     | 19.79   | 20.03   | 21      |
|       |           | 12         | 6       | 19.78     | 19.91   | 19.15   | 21      |
|       |           | 12         | 13      | 19.48     | 19.44   | 19.93   | 21      |
|       |           | 25         | 0       | 19.88     | 19.77   | 19.67   | 21      |
|       | Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel |
|       |           |            |         |           | 23060   | 23095   | 23130   |
| 10MHz | QPSK      |            |         |           |         |         | Tune up |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       | 16QAM     |            |         |           |         |         | Tune up |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       | 64QAM     |            |         |           |         |         | Tune up |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |
|       |           |            |         |           |         |         |         |

| LTE Band 12 Receiver on(Left head) + WiFi5G<br>Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 15.56                | 15.41   | 15.69   | 16.5    |
|   |            | 1       | 2         | 14.38                | 14.96   | 15.34   | 16.5    |

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|           |       |           |            |         |           |         |         |         |
|-----------|-------|-----------|------------|---------|-----------|---------|---------|---------|
|           |       | 1         | 5          | 15.52   | 15.45     | 15.59   | 16.5    |         |
|           |       | 3         | 0          | 15.4    | 15.22     | 15.61   | 16.5    |         |
|           |       | 3         | 2          | 15.48   | 14.95     | 15.57   | 16.5    |         |
|           |       | 3         | 3          | 15.3    | 15.1      | 15.5    | 16.5    |         |
|           |       | 6         | 0          | 15.41   | 15.1      | 15.37   | 16.5    |         |
|           |       | 16QAM     | 1          | 0       | 15.93     | 15.84   | 15.83   | 16.5    |
|           |       |           | 1          | 2       | 15.15     | 15.67   | 15.49   | 16.5    |
|           |       |           | 1          | 5       | 15.59     | 15.59   | 16.05   | 16.5    |
|           |       |           | 3          | 0       | 15.63     | 15.37   | 15.63   | 16.5    |
|           |       |           | 3          | 2       | 15.61     | 15.3    | 15.3    | 16.5    |
|           |       |           | 3          | 3       | 15.41     | 15.13   | 15.69   | 16.5    |
|           |       |           | 6          | 0       | 15.54     | 15.48   | 15.33   | 16.5    |
|           | 64QAM |           | 1          | 0       | 15.41     | 15.24   | 15.57   | 16.5    |
|           |       | 1         | 2          | 14.9    | 14.05     | 15.62   | 16.5    |         |
|           |       | 1         | 5          | 15.54   | 15.78     | 15.73   | 16.5    |         |
|           |       | 3         | 0          | 15.54   | 15.2      | 15.43   | 16.5    |         |
|           |       | 3         | 2          | 15.12   | 15.37     | 14.62   | 16.5    |         |
|           |       | 3         | 3          | 15      | 14.88     | 15.53   | 16.5    |         |
|           |       | 6         | 0          | 15.32   | 15.16     | 14.94   | 16.5    |         |
|           |       | Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel |
|           | 23025 |           |            |         |           | 23095   | 23165   |         |
|           | 3MHz  | QPSK      | 1          | 0       | 15.44     | 15.51   | 15.53   | 16.5    |
|           |       |           | 1          | 7       | 14.93     | 15.37   | 15.06   | 16.5    |
|           |       |           | 1          | 14      | 15.36     | 15.49   | 15.48   | 16.5    |
|           |       |           | 8          | 0       | 15.45     | 15.47   | 15.63   | 16.5    |
|           |       |           | 8          | 4       | 15.63     | 15.26   | 15.64   | 16.5    |
|           |       |           | 8          | 7       | 15.35     | 15.54   | 15.56   | 16.5    |
|           |       |           | 15         | 0       | 15.27     | 15.46   | 15.67   | 16.5    |
| 16QAM     |       |           | 1          | 0       | 15.87     | 15.46   | 15.74   | 16.5    |
|           |       | 1         | 7          | 15.24   | 16.06     | 15.89   | 16.5    |         |
|           |       | 1         | 14         | 15.85   | 15.94     | 16.2    | 16.5    |         |
|           |       | 8         | 0          | 15.34   | 15.28     | 15.4    | 16.5    |         |
|           |       | 8         | 4          | 15.2    | 15.55     | 15.68   | 16.5    |         |
|           |       | 8         | 7          | 15.49   | 15.56     | 15.4    | 16.5    |         |
|           |       | 15        | 0          | 15.37   | 15.3      | 15.54   | 16.5    |         |
|           |       | 64QAM     | 1          | 0       | 15.34     | 15.31   | 15.61   | 16.5    |
| 1         |       |           | 7          | 15.02   | 13.95     | 15.51   | 16.5    |         |
| 1         |       |           | 14         | 15.55   | 15.71     | 15.71   | 16.5    |         |
| 8         |       |           | 0          | 15.48   | 15        | 15.27   | 16.5    |         |
| 8         |       |           | 4          | 15.08   | 15.35     | 14.65   | 16.5    |         |
| 8         |       |           | 7          | 14.93   | 14.96     | 15.48   | 16.5    |         |
| 15        |       |           | 0          | 15.33   | 15.28     | 14.98   | 16.5    |         |
| Bandwidth |       |           | Modulation | RB size | RB offset | Channel | Channel | Channel |
|           |       | 23035     |            |         |           | 23095   | 23155   |         |
| 5MHz      |       | QPSK      | 1          | 0       | 15.44     | 15.32   | 15.61   | 16.5    |
|           |       |           | 1          | 13      | 15.47     | 15.44   | 15.47   | 16.5    |
|           |       |           | 1          | 24      | 15.4      | 15.48   | 15.61   | 16.5    |



|       |           |            |         |           |         |         |         |         |
|-------|-----------|------------|---------|-----------|---------|---------|---------|---------|
|       |           | 12         | 0       | 15.48     | 15.44   | 15.43   | 16.5    |         |
|       |           | 12         | 6       | 15.41     | 15.54   | 15.49   | 16.5    |         |
|       |           | 12         | 13      | 15.41     | 15.51   | 15.69   | 16.5    |         |
|       |           | 25         | 0       | 15.23     | 15.43   | 15.55   | 16.5    |         |
|       | 16QAM     | 1          | 0       | 15.89     | 15.32   | 15.65   | 16.5    |         |
|       |           | 1          | 13      | 15.98     | 15.92   | 16.11   | 16.5    |         |
|       |           | 1          | 24      | 15.05     | 15.55   | 15.76   | 16.5    |         |
|       |           | 12         | 0       | 15.49     | 15.38   | 15.56   | 16.5    |         |
|       |           | 12         | 6       | 15.29     | 15.54   | 15.49   | 16.5    |         |
|       |           | 12         | 13      | 15.39     | 15.5    | 15.72   | 16.5    |         |
|       |           | 25         | 0       | 15.37     | 15.19   | 15.55   | 16.5    |         |
|       |           | 64QAM      | 1       | 0         | 15.32   | 15.23   | 15.59   | 16.5    |
|       | 1         |            | 13      | 14.85     | 14.04   | 15.49   | 16.5    |         |
|       | 1         |            | 24      | 15.69     | 15.65   | 15.7    | 16.5    |         |
|       | 12        |            | 0       | 15.61     | 15.18   | 15.3    | 16.5    |         |
|       | 12        |            | 6       | 15.13     | 15.39   | 14.54   | 16.5    |         |
|       | 12        |            | 13      | 14.98     | 14.95   | 15.56   | 16.5    |         |
|       | 25        |            | 0       | 15.44     | 15.3    | 14.96   | 16.5    |         |
|       | Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|       |           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz | QPSK      | 1          | 0       | 15.4      | 15.55   | 15.6    | 16.5    |         |
|       |           | 1          | 25      | 15.15     | 15.59   | 15.11   | 16.5    |         |
|       |           | 1          | 49      | 15.22     | 15.23   | 15.2    | 16.5    |         |
|       |           | 25         | 0       | 15.38     | 15.37   | 15.39   | 16.5    |         |
|       |           | 25         | 13      | 15.38     | 15.31   | 15.59   | 16.5    |         |
|       |           | 25         | 25      | 15.44     | 15.43   | 15.61   | 16.5    |         |
|       |           | 50         | 0       | 15.32     | 15.46   | 15.42   | 16.5    |         |
|       | 16QAM     | 1          | 0       | 15.51     | 15.62   | 15.79   | 16.5    |         |
|       |           | 1          | 25      | 15.23     | 15.04   | 15.74   | 16.5    |         |
|       |           | 1          | 49      | 15.72     | 16.06   | 15.48   | 16.5    |         |
|       |           | 25         | 0       | 15.24     | 15.35   | 15.35   | 16.5    |         |
|       |           | 25         | 13      | 15.31     | 15.21   | 15.37   | 16.5    |         |
|       |           | 25         | 25      | 15.29     | 15.52   | 15.58   | 16.5    |         |
|       |           | 50         | 0       | 15.35     | 15.38   | 15.35   | 16.5    |         |
|       | 64QAM     | 1          | 0       | 15.4      | 15.24   | 15.74   | 16.5    |         |
|       |           | 1          | 25      | 14.99     | 13.92   | 15.59   | 16.5    |         |
|       |           | 1          | 49      | 15.58     | 15.74   | 15.7    | 16.5    |         |
|       |           | 25         | 0       | 15.66     | 15.04   | 15.36   | 16.5    |         |
|       |           | 25         | 13      | 15.18     | 15.29   | 14.64   | 16.5    |         |
|       |           | 25         | 25      | 14.98     | 15.03   | 15.46   | 16.5    |         |
|       |           | 50         | 0       | 15.42     | 15.32   | 14.97   | 16.5    |         |

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| LTE Band 12 Receiver on(Right head) + WiFi5G<br>Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 15.09                | 14.99   | 15.22   | 16      |
|  |            | 1       | 2         | 14.64                | 15      | 14.64   | 16      |
|  |            | 1       | 5         | 15.07                | 14.88   | 15.09   | 16      |
|  |            | 3       | 0         | 14.83                | 14.91   | 15.13   | 16      |
|  |            | 3       | 2         | 14.32                | 14.37   | 15.17   | 16      |
|  |            | 3       | 3         | 14.96                | 14.87   | 15.07   | 16      |
|  |            | 6       | 0         | 14.97                | 14.9    | 14.77   | 16      |
|  | 16QAM      | 1       | 0         | 15.49                | 15.42   | 15.56   | 16      |
|  |            | 1       | 2         | 14.07                | 15.48   | 15.64   | 16      |
|  |            | 1       | 5         | 15.3                 | 15.53   | 15.71   | 16      |
|  |            | 3       | 0         | 14.88                | 15.25   | 15.02   | 16      |
|  |            | 3       | 2         | 14.62                | 14.95   | 14.48   | 16      |
|  |            | 3       | 3         | 14.88                | 14.92   | 15.14   | 16      |
|  |            | 6       | 0         | 15.14                | 14.85   | 14.96   | 16      |
|  | 64QAM      | 1       | 0         | 14.87                | 14.66   | 15.05   | 16      |
|  |            | 1       | 2         | 14.34                | 13.48   | 15.09   | 16      |
|  |            | 1       | 5         | 15                   | 15.21   | 15.14   | 16      |
|  |            | 3       | 0         | 14.98                | 14.67   | 14.93   | 16      |
|  |            | 3       | 2         | 14.57                | 14.84   | 14.09   | 16      |
|  |            | 3       | 3         | 14.48                | 14.29   | 15      | 16      |
|  |            | 6       | 0         | 14.77                | 14.58   | 14.37   | 16      |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23025                | 23095   | 23165   |         |
| 3MHz   | QPSK       | 1       | 0         | 14.94                | 14.83   | 15.08   | 16      |
|  |            | 1       | 7         | 14.68                | 14.24   | 14.93   | 16      |
|  |            | 1       | 14        | 14.91                | 15.01   | 15.13   | 16      |
|  |            | 8       | 0         | 15.07                | 14.76   | 15.22   | 16      |
|  |            | 8       | 4         | 15.11                | 14.98   | 15.33   | 16      |
|  |            | 8       | 7         | 14.98                | 14.94   | 15.03   | 16      |
|  |            | 15      | 0         | 14.85                | 14.9    | 15.1    | 16      |
|  | 16QAM      | 1       | 0         | 15.33                | 15.48   | 14.94   | 16      |
|  |            | 1       | 7         | 13.78                | 14.97   | 14.09   | 16      |
|  |            | 1       | 14        | 14.68                | 15.35   | 15.5    | 16      |
|  |            | 8       | 0         | 14.78                | 14.78   | 15.18   | 16      |
|  |            | 8       | 4         | 14.96                | 14.45   | 15.15   | 16      |
|  |            | 8       | 7         | 14.76                | 15.05   | 14.88   | 16      |
|  |            | 15      | 0         | 14.77                | 15.02   | 15      | 16      |
|  | 64QAM      | 1       | 0         | 14.9                 | 14.66   | 14.99   | 16      |
|  |            | 1       | 7         | 14.38                | 13.45   | 15.08   | 16      |
|  |            | 1       | 14        | 14.99                | 15.26   | 15.17   | 16      |
|  |            | 8       | 0         | 15                   | 14.68   | 14.84   | 16      |
|  |            | 8       | 4         | 14.61                | 14.77   | 14.11   | 16      |
|  |            | 8       | 7         | 14.46                | 14.34   | 15      | 16      |

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|           |            | 15      | 0         | 14.75   | 14.56   | 14.43   | 16      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 14.99   | 14.89   | 14.95   | 16      |
|           |            | 1       | 13        | 14.79   | 14.88   | 15.06   | 16      |
|           |            | 1       | 24        | 14.96   | 15.05   | 15.16   | 16      |
|           |            | 12      | 0         | 14.9    | 15.03   | 15.12   | 16      |
|           |            | 12      | 6         | 14.89   | 14.98   | 15.08   | 16      |
|           |            | 12      | 13        | 14.85   | 14.99   | 15.15   | 16      |
|           |            | 25      | 0         | 14.9    | 14.89   | 14.97   | 16      |
|           | 16QAM      | 1       | 0         | 15.55   | 15.31   | 15.05   | 16      |
|           |            | 1       | 13        | 15.16   | 15.29   | 15      | 16      |
|           |            | 1       | 24        | 15.43   | 15.28   | 15.13   | 16      |
|           |            | 12      | 0         | 15.02   | 14.94   | 14.98   | 16      |
|           |            | 12      | 6         | 14.72   | 14.8    | 14.94   | 16      |
|           |            | 12      | 13        | 15      | 14.84   | 15.28   | 16      |
|           |            | 25      | 0         | 14.79   | 14.83   | 15.08   | 16      |
|           | 64QAM      | 1       | 0         | 14.85   | 14.69   | 15.04   | 16      |
|           |            | 1       | 13        | 14.31   | 13.46   | 15.12   | 16      |
|           |            | 1       | 24        | 14.98   | 15.21   | 15.18   | 16      |
|           |            | 12      | 0         | 14.95   | 14.67   | 14.85   | 16      |
|           |            | 12      | 6         | 14.56   | 14.86   | 14.12   | 16      |
|           |            | 12      | 13        | 14.44   | 14.34   | 14.96   | 16      |
|           |            | 25      | 0         | 14.75   | 14.57   | 14.38   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz     | QPSK       | 1       | 0         | 14.91   | 14.81   | 14.75   | 16      |
|           |            | 1       | 25        | 14.48   | 14.59   | 14.89   | 16      |
|           |            | 1       | 49        | 14.97   | 14.98   | 15.05   | 16      |
|           |            | 25      | 0         | 14.8    | 14.87   | 14.93   | 16      |
|           |            | 25      | 13        | 14.97   | 14.96   | 14.95   | 16      |
|           |            | 25      | 25        | 14.92   | 15.06   | 15.1    | 16      |
|           |            | 50      | 0         | 14.97   | 14.91   | 14.99   | 16      |
|           | 16QAM      | 1       | 0         | 15.23   | 15.15   | 15.33   | 16      |
|           |            | 1       | 25        | 15.41   | 14.25   | 15.27   | 16      |
|           |            | 1       | 49        | 15.54   | 15.46   | 14.76   | 16      |
|           |            | 25      | 0         | 14.9    | 14.76   | 14.84   | 16      |
|           |            | 25      | 13        | 14.83   | 14.8    | 14.77   | 16      |
|           |            | 25      | 25        | 14.87   | 15      | 14.99   | 16      |
|           |            | 50      | 0         | 14.81   | 14.83   | 14.91   | 16      |
|           | 64QAM      | 1       | 0         | 14.87   | 14.73   | 14.99   | 16      |
|           |            | 1       | 25        | 14.32   | 13.55   | 15.08   | 16      |
|           |            | 1       | 49        | 15.03   | 15.22   | 15.14   | 16      |
|           |            | 25      | 0         | 15.04   | 14.67   | 14.86   | 16      |
|           |            | 25      | 13        | 14.57   | 14.79   | 14.05   | 16      |
|           |            | 25      | 25        | 14.5    | 14.32   | 14.99   | 16      |
|           |            | 50      | 0         | 14.75   | 14.62   | 14.38   | 16      |

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| LTE Band 12 Receiver off (body or limbs) +<br>WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |                  |                  |         |
|---|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel<br>23017     | Channel<br>23095 | Channel<br>23173 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 18.03                | 17.87            | 18.06            | 19      |
|   |            | 1       | 2         | 16.64                | 16.93            | 17.32            | 19      |
|   |            | 1       | 5         | 17.95                | 18.08            | 18.11            | 19      |
|   |            | 3       | 0         | 18.03                | 17.7             | 17.8             | 19      |
|   |            | 3       | 2         | 17.85                | 17.85            | 18.31            | 19      |
|   |            | 3       | 3         | 17.77                | 17.96            | 17.94            | 19      |
|   |            | 6       | 0         | 17.87                | 17.94            | 17.96            | 19      |
|   | 16QAM      | 1       | 0         | 18.41                | 18.29            | 18.36            | 19      |
|   |            | 1       | 2         | 17.76                | 17.5             | 17.58            | 19      |
|   |            | 1       | 5         | 17.72                | 17.83            | 18.28            | 19      |
|   |            | 3       | 0         | 18.08                | 18.08            | 18.04            | 19      |
|   |            | 3       | 2         | 18.08                | 18.15            | 17.68            | 19      |
|   |            | 3       | 3         | 17.5                 | 17.81            | 17.6             | 19      |
|   |            | 6       | 0         | 18.06                | 17.6             | 17.74            | 19      |
|   | 64QAM      | 1       | 0         | 17.78                | 17.72            | 17.96            | 19      |
|   |            | 1       | 2         | 17.3                 | 16.46            | 18.03            | 19      |
|   |            | 1       | 5         | 17.94                | 18.2             | 18.12            | 19      |
|   |            | 3       | 0         | 18.02                | 17.65            | 17.77            | 19      |
|   |            | 3       | 2         | 17.51                | 17.75            | 17.03            | 19      |
|   |            | 3       | 3         | 17.43                | 17.24            | 17.95            | 19      |
|   |            | 6       | 0         | 17.68                | 17.61            | 17.32            | 19      |
| Bandwidth   | Modulation | RB size | RB offset | Channel<br>23025     | Channel<br>23095 | Channel<br>23165 | Tune up |
| 3MHz  | QPSK       | 1       | 0         | 17.87                | 17.85            | 17.96            | 19      |
|   |            | 1       | 7         | 17.91                | 16.54            | 18.18            | 19      |
|   |            | 1       | 14        | 17.93                | 17.94            | 18.09            | 19      |
|   |            | 8       | 0         | 18.08                | 17.73            | 17.98            | 19      |
|   |            | 8       | 4         | 18.2                 | 18.08            | 18.22            | 19      |
|   |            | 8       | 7         | 17.77                | 18.09            | 17.72            | 19      |
|   |            | 15      | 0         | 17.84                | 17.91            | 17.99            | 19      |
|   | 16QAM      | 1       | 0         | 18.15                | 18.39            | 18.33            | 19      |
|   |            | 1       | 7         | 18.08                | 18.04            | 17.34            | 19      |
|   |            | 1       | 14        | 18.37                | 18.32            | 18.41            | 19      |
|   |            | 8       | 0         | 17.92                | 17.6             | 17.61            | 19      |
|   |            | 8       | 4         | 18.01                | 17.79            | 18               | 19      |
|   |            | 8       | 7         | 17.88                | 17.93            | 17.51            | 19      |
|   |            | 15      | 0         | 17.81                | 17.85            | 18               | 19      |
|   | 64QAM      | 1       | 0         | 17.8                 | 17.7             | 17.93            | 19      |
|   |            | 1       | 7         | 17.24                | 16.49            | 18.01            | 19      |
|   |            | 1       | 14        | 18.02                | 18.18            | 18.07            | 19      |
|   |            | 8       | 0         | 17.99                | 17.59            | 17.85            | 19      |
|   |            | 8       | 4         | 17.57                | 17.75            | 16.97            | 19      |

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|           |            | 8       | 7         | 17.41   | 17.31   | 17.98   | 19      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 15      | 0         | 17.66   | 17.53   | 17.31   | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 18.06   | 17.89   | 17.98   | 19      |
|           |            | 1       | 13        | 17.89   | 17.87   | 18.15   | 19      |
|           |            | 1       | 24        | 18.03   | 17.88   | 17.98   | 19      |
|           |            | 12      | 0         | 17.91   | 17.95   | 18.02   | 19      |
|           |            | 12      | 6         | 17.99   | 17.98   | 17.98   | 19      |
|           |            | 12      | 13        | 17.98   | 18.05   | 18.15   | 19      |
|           |            | 25      | 0         | 17.94   | 17.92   | 18.09   | 19      |
|           | 16QAM      | 1       | 0         | 18.04   | 18.25   | 17.84   | 19      |
|           |            | 1       | 13        | 18.44   | 18.44   | 18.49   | 19      |
|           |            | 1       | 24        | 18.44   | 18.53   | 18.31   | 19      |
|           |            | 12      | 0         | 17.85   | 17.84   | 18.03   | 19      |
|           |            | 12      | 6         | 17.75   | 17.62   | 17.94   | 19      |
|           |            | 12      | 13        | 17.83   | 17.93   | 18.08   | 19      |
|           |            | 25      | 0         | 17.8    | 17.83   | 18.1    | 19      |
|           | 64QAM      | 1       | 0         | 17.78   | 17.68   | 17.99   | 19      |
|           |            | 1       | 13        | 17.25   | 16.46   | 18.01   | 19      |
|           |            | 1       | 24        | 17.97   | 18.18   | 18.04   | 19      |
|           |            | 12      | 0         | 18.03   | 17.65   | 17.79   | 19      |
|           |            | 12      | 6         | 17.48   | 17.76   | 16.99   | 19      |
|           |            | 12      | 13        | 17.44   | 17.31   | 17.95   | 19      |
|           |            | 25      | 0         | 17.66   | 17.58   | 17.33   | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.96   | 17.84   | 17.88   | 19      |
|           |            | 1       | 25        | 17.61   | 17.4    | 18.1    | 19      |
|           |            | 1       | 49        | 17.88   | 17.92   | 18.04   | 19      |
|           |            | 25      | 0         | 17.88   | 17.91   | 18.04   | 19      |
|           |            | 25      | 13        | 17.9    | 17.94   | 18.04   | 19      |
|           |            | 25      | 25        | 17.95   | 18.05   | 18.11   | 19      |
|           |            | 50      | 0         | 17.88   | 18.02   | 17.91   | 19      |
|           | 16QAM      | 1       | 0         | 17.81   | 18.3    | 18.26   | 19      |
|           |            | 1       | 25        | 18.11   | 18.52   | 17.96   | 19      |
|           |            | 1       | 49        | 18.36   | 18.2    | 18.16   | 19      |
|           |            | 25      | 0         | 18      | 17.86   | 17.97   | 19      |
|           |            | 25      | 13        | 17.9    | 17.89   | 17.99   | 19      |
|           |            | 25      | 25        | 17.94   | 18.03   | 18.06   | 19      |
|           |            | 50      | 0         | 17.82   | 17.81   | 17.83   | 19      |
|           | 64QAM      | 1       | 0         | 17.83   | 17.64   | 17.97   | 19      |
|           |            | 1       | 25        | 17.31   | 16.49   | 18.05   | 19      |
|           |            | 1       | 49        | 17.96   | 18.16   | 18.06   | 19      |
|           |            | 25      | 0         | 18.01   | 17.62   | 17.82   | 19      |
|           |            | 25      | 13        | 17.49   | 17.73   | 16.98   | 19      |
|           |            | 25      | 25        | 17.47   | 17.3    | 17.97   | 19      |

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|  |  |    |   |      |      |       |    |
|--|--|----|---|------|------|-------|----|
|  |  | 50 | 0 | 17.7 | 17.6 | 17.38 | 19 |
|--|--|----|---|------|------|-------|----|

| LTE Band 12 Receiver on(Left head) + BT +<br>WiFi5G Ant1/Ant2/MIMO |            |            |              | Conducted Power(dBm) |         |         |         |
|--|------------|------------|--------------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|  |            |            |              | 23017                | 23095   | 23173   |         |
| 1.4MHz   | QPSK       | 1          | 0            | 15.56                | 15.41   | 15.69   | 16.5    |
|  |            | 1          | 2            | 14.38                | 14.96   | 15.34   | 16.5    |
|  |            | 1          | 5            | 15.52                | 15.45   | 15.59   | 16.5    |
|  |            | 3          | 0            | 15.4                 | 15.22   | 15.61   | 16.5    |
|  |            | 3          | 2            | 15.48                | 14.95   | 15.57   | 16.5    |
|  |            | 3          | 3            | 15.3                 | 15.1    | 15.5    | 16.5    |
|  | 16QAM      | 6          | 0            | 15.41                | 15.1    | 15.37   | 16.5    |
|  |            | 1          | 0            | 15.93                | 15.84   | 15.83   | 16.5    |
|  |            | 1          | 2            | 15.15                | 15.67   | 15.49   | 16.5    |
|  |            | 1          | 5            | 15.59                | 15.59   | 16.05   | 16.5    |
|  |            | 3          | 0            | 15.63                | 15.37   | 15.63   | 16.5    |
|  |            | 3          | 2            | 15.61                | 15.3    | 15.3    | 16.5    |
|  | 64QAM      | 3          | 3            | 15.41                | 15.13   | 15.69   | 16.5    |
|  |            | 6          | 0            | 15.54                | 15.48   | 15.33   | 16.5    |
|  |            | 1          | 0            | 15.41                | 15.24   | 15.57   | 16.5    |
|  |            | 1          | 2            | 14.9                 | 14.05   | 15.62   | 16.5    |
|  |            | 1          | 5            | 15.54                | 15.78   | 15.73   | 16.5    |
|  |            | 3          | 0            | 15.54                | 15.2    | 15.43   | 16.5    |
| 3MHz   | QPSK       | 3          | 2            | 15.12                | 15.37   | 14.62   | 16.5    |
|  |            | 3          | 3            | 15                   | 14.88   | 15.53   | 16.5    |
|  |            | 6          | 0            | 15.32                | 15.16   | 14.94   | 16.5    |
|  | 16QAM      | 1          | 0            | 15.44                | 15.51   | 15.53   | 16.5    |
|  |            | 1          | 7            | 14.93                | 15.37   | 15.06   | 16.5    |
|  |            | 1          | 14           | 15.36                | 15.49   | 15.48   | 16.5    |
|  | 64QAM      | 8          | 0            | 15.45                | 15.47   | 15.63   | 16.5    |
|  |            | 8          | 4            | 15.63                | 15.26   | 15.64   | 16.5    |
|  |            | 8          | 7            | 15.35                | 15.54   | 15.56   | 16.5    |
|  | QPSK       | 15         | 0            | 15.27                | 15.46   | 15.67   | 16.5    |
|  |            | 1          | 0            | 15.87                | 15.46   | 15.74   | 16.5    |
|  |            | 1          | 7            | 15.24                | 16.06   | 15.89   | 16.5    |
|  |            | 1          | 14           | 15.85                | 15.94   | 16.2    | 16.5    |
|  |            | 8          | 0            | 15.34                | 15.28   | 15.4    | 16.5    |
|  |            | 8          | 4            | 15.2                 | 15.55   | 15.68   | 16.5    |
|  | 16QAM      | 8          | 7            | 15.49                | 15.56   | 15.4    | 16.5    |
|  |            | 15         | 0            | 15.37                | 15.3    | 15.54   | 16.5    |
|  | 64QAM      | 1          | 0            | 15.34                | 15.31   | 15.61   | 16.5    |
|  |            | 1          | 7            | 15.02                | 13.95   | 15.51   | 16.5    |
|  |            | 1          | 14           | 15.55                | 15.71   | 15.71   | 16.5    |
|  |            | 8          | 0            | 15.48                | 15      | 15.27   | 16.5    |

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|           |            | 8       | 4         | 15.08   | 15.35   | 14.65   | 16.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 14.93   | 14.96   | 15.48   | 16.5    |
|           |            | 15      | 0         | 15.33   | 15.28   | 14.98   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 15.44   | 15.32   | 15.61   | 16.5    |
|           |            | 1       | 13        | 15.47   | 15.44   | 15.47   | 16.5    |
|           |            | 1       | 24        | 15.4    | 15.48   | 15.61   | 16.5    |
|           |            | 12      | 0         | 15.48   | 15.44   | 15.43   | 16.5    |
|           |            | 12      | 6         | 15.41   | 15.54   | 15.49   | 16.5    |
|           |            | 12      | 13        | 15.41   | 15.51   | 15.69   | 16.5    |
|           |            | 25      | 0         | 15.23   | 15.43   | 15.55   | 16.5    |
|           | 16QAM      | 1       | 0         | 15.89   | 15.32   | 15.65   | 16.5    |
|           |            | 1       | 13        | 15.98   | 15.92   | 16.11   | 16.5    |
|           |            | 1       | 24        | 15.05   | 15.55   | 15.76   | 16.5    |
|           |            | 12      | 0         | 15.49   | 15.38   | 15.56   | 16.5    |
|           |            | 12      | 6         | 15.29   | 15.54   | 15.49   | 16.5    |
|           |            | 12      | 13        | 15.39   | 15.5    | 15.72   | 16.5    |
|           |            | 25      | 0         | 15.37   | 15.19   | 15.55   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.32   | 15.23   | 15.59   | 16.5    |
|           |            | 1       | 13        | 14.85   | 14.04   | 15.49   | 16.5    |
|           |            | 1       | 24        | 15.69   | 15.65   | 15.7    | 16.5    |
|           |            | 12      | 0         | 15.61   | 15.18   | 15.3    | 16.5    |
|           |            | 12      | 6         | 15.13   | 15.39   | 14.54   | 16.5    |
|           |            | 12      | 13        | 14.98   | 14.95   | 15.56   | 16.5    |
|           |            | 25      | 0         | 15.44   | 15.3    | 14.96   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz     | QPSK       | 1       | 0         | 15.4    | 15.55   | 15.6    | 16.5    |
|           |            | 1       | 25        | 15.15   | 15.59   | 15.11   | 16.5    |
|           |            | 1       | 49        | 15.22   | 15.23   | 15.2    | 16.5    |
|           |            | 25      | 0         | 15.38   | 15.37   | 15.39   | 16.5    |
|           |            | 25      | 13        | 15.38   | 15.31   | 15.59   | 16.5    |
|           |            | 25      | 25        | 15.44   | 15.43   | 15.61   | 16.5    |
|           |            | 50      | 0         | 15.32   | 15.46   | 15.42   | 16.5    |
|           | 16QAM      | 1       | 0         | 15.51   | 15.62   | 15.79   | 16.5    |
|           |            | 1       | 25        | 15.23   | 15.04   | 15.74   | 16.5    |
|           |            | 1       | 49        | 15.72   | 16.06   | 15.48   | 16.5    |
|           |            | 25      | 0         | 15.24   | 15.35   | 15.35   | 16.5    |
|           |            | 25      | 13        | 15.31   | 15.21   | 15.37   | 16.5    |
|           |            | 25      | 25        | 15.29   | 15.52   | 15.58   | 16.5    |
|           |            | 50      | 0         | 15.35   | 15.38   | 15.35   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.4    | 15.24   | 15.74   | 16.5    |
|           |            | 1       | 25        | 14.99   | 13.92   | 15.59   | 16.5    |
|           |            | 1       | 49        | 15.58   | 15.74   | 15.7    | 16.5    |
|           |            | 25      | 0         | 15.66   | 15.04   | 15.36   | 16.5    |
|           |            | 25      | 13        | 15.18   | 15.29   | 14.64   | 16.5    |

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|  |  |    |    |       |       |       |      |
|--|--|----|----|-------|-------|-------|------|
|  |  | 25 | 25 | 14.98 | 15.03 | 15.46 | 16.5 |
|  |  | 50 | 0  | 15.42 | 15.32 | 14.97 | 16.5 |

| LTE Band 12 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |               |               |         |
|--|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel 23017        | Channel 23095 | Channel 23173 | Tune up |
| 1.4MHz   | QPSK       | 1       | 0         | 15.09                | 14.99         | 15.22         | 16      |
|  |            | 1       | 2         | 14.64                | 15            | 14.64         | 16      |
|  |            | 1       | 5         | 15.07                | 14.88         | 15.09         | 16      |
|  |            | 3       | 0         | 14.83                | 14.91         | 15.13         | 16      |
|  |            | 3       | 2         | 14.32                | 14.37         | 15.17         | 16      |
|  |            | 3       | 3         | 14.96                | 14.87         | 15.07         | 16      |
|  |            | 6       | 0         | 14.97                | 14.9          | 14.77         | 16      |
|  | 16QAM      | 1       | 0         | 15.49                | 15.42         | 15.56         | 16      |
|  |            | 1       | 2         | 14.07                | 15.48         | 15.64         | 16      |
|  |            | 1       | 5         | 15.3                 | 15.53         | 15.71         | 16      |
|  |            | 3       | 0         | 14.88                | 15.25         | 15.02         | 16      |
|  |            | 3       | 2         | 14.62                | 14.95         | 14.48         | 16      |
|  |            | 3       | 3         | 14.88                | 14.92         | 15.14         | 16      |
|  |            | 6       | 0         | 15.14                | 14.85         | 14.96         | 16      |
|  | 64QAM      | 1       | 0         | 14.87                | 14.66         | 15.05         | 16      |
|  |            | 1       | 2         | 14.34                | 13.48         | 15.09         | 16      |
|  |            | 1       | 5         | 15                   | 15.21         | 15.14         | 16      |
|  |            | 3       | 0         | 14.98                | 14.67         | 14.93         | 16      |
|  |            | 3       | 2         | 14.57                | 14.84         | 14.09         | 16      |
|  |            | 3       | 3         | 14.48                | 14.29         | 15            | 16      |
|  |            | 6       | 0         | 14.77                | 14.58         | 14.37         | 16      |
| Bandwidth  | Modulation | RB size | RB offset | Channel 23025        | Channel 23095 | Channel 23165 | Tune up |
| 3MHz   | QPSK       | 1       | 0         | 14.94                | 14.83         | 15.08         | 16      |
|  |            | 1       | 7         | 14.68                | 14.24         | 14.93         | 16      |
|  |            | 1       | 14        | 14.91                | 15.01         | 15.13         | 16      |
|  |            | 8       | 0         | 15.07                | 14.76         | 15.22         | 16      |
|  |            | 8       | 4         | 15.11                | 14.98         | 15.33         | 16      |
|  |            | 8       | 7         | 14.98                | 14.94         | 15.03         | 16      |
|  |            | 15      | 0         | 14.85                | 14.9          | 15.1          | 16      |
|  | 16QAM      | 1       | 0         | 15.33                | 15.48         | 14.94         | 16      |
|  |            | 1       | 7         | 13.78                | 14.97         | 14.09         | 16      |
|  |            | 1       | 14        | 14.68                | 15.35         | 15.5          | 16      |
|  |            | 8       | 0         | 14.78                | 14.78         | 15.18         | 16      |
|  |            | 8       | 4         | 14.96                | 14.45         | 15.15         | 16      |
|  |            | 8       | 7         | 14.76                | 15.05         | 14.88         | 16      |
|  |            | 15      | 0         | 14.77                | 15.02         | 15            | 16      |
|  | 64QAM      | 1       | 0         | 14.9                 | 14.66         | 14.99         | 16      |
|  |            | 1       | 7         | 14.38                | 13.45         | 15.08         | 16      |
|  |            | 1       | 14        | 14.99                | 15.26         | 15.17         | 16      |

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|           |            | 8       | 0         | 15      | 14.68   | 14.84   | 16      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 4         | 14.61   | 14.77   | 14.11   | 16      |
|           |            | 8       | 7         | 14.46   | 14.34   | 15      | 16      |
|           |            | 15      | 0         | 14.75   | 14.56   | 14.43   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 14.99   | 14.89   | 14.95   | 16      |
|           |            | 1       | 13        | 14.79   | 14.88   | 15.06   | 16      |
|           |            | 1       | 24        | 14.96   | 15.05   | 15.16   | 16      |
|           |            | 12      | 0         | 14.9    | 15.03   | 15.12   | 16      |
|           |            | 12      | 6         | 14.89   | 14.98   | 15.08   | 16      |
|           |            | 12      | 13        | 14.85   | 14.99   | 15.15   | 16      |
|           |            | 25      | 0         | 14.9    | 14.89   | 14.97   | 16      |
|           | 16QAM      | 1       | 0         | 15.55   | 15.31   | 15.05   | 16      |
|           |            | 1       | 13        | 15.16   | 15.29   | 15      | 16      |
|           |            | 1       | 24        | 15.43   | 15.28   | 15.13   | 16      |
|           |            | 12      | 0         | 15.02   | 14.94   | 14.98   | 16      |
|           |            | 12      | 6         | 14.72   | 14.8    | 14.94   | 16      |
|           |            | 12      | 13        | 15      | 14.84   | 15.28   | 16      |
|           |            | 25      | 0         | 14.79   | 14.83   | 15.08   | 16      |
|           | 64QAM      | 1       | 0         | 14.85   | 14.69   | 15.04   | 16      |
|           |            | 1       | 13        | 14.31   | 13.46   | 15.12   | 16      |
|           |            | 1       | 24        | 14.98   | 15.21   | 15.18   | 16      |
|           |            | 12      | 0         | 14.95   | 14.67   | 14.85   | 16      |
|           |            | 12      | 6         | 14.56   | 14.86   | 14.12   | 16      |
|           |            | 12      | 13        | 14.44   | 14.34   | 14.96   | 16      |
|           |            | 25      | 0         | 14.75   | 14.57   | 14.38   | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz     | QPSK       | 1       | 0         | 14.91   | 14.81   | 14.75   | 16      |
|           |            | 1       | 25        | 14.48   | 14.59   | 14.89   | 16      |
|           |            | 1       | 49        | 14.97   | 14.98   | 15.05   | 16      |
|           |            | 25      | 0         | 14.8    | 14.87   | 14.93   | 16      |
|           |            | 25      | 13        | 14.97   | 14.96   | 14.95   | 16      |
|           |            | 25      | 25        | 14.92   | 15.06   | 15.1    | 16      |
|           |            | 50      | 0         | 14.97   | 14.91   | 14.99   | 16      |
|           | 16QAM      | 1       | 0         | 15.23   | 15.15   | 15.33   | 16      |
|           |            | 1       | 25        | 15.41   | 14.25   | 15.27   | 16      |
|           |            | 1       | 49        | 15.54   | 15.46   | 14.76   | 16      |
|           |            | 25      | 0         | 14.9    | 14.76   | 14.84   | 16      |
|           |            | 25      | 13        | 14.83   | 14.8    | 14.77   | 16      |
|           |            | 25      | 25        | 14.87   | 15      | 14.99   | 16      |
|           |            | 50      | 0         | 14.81   | 14.83   | 14.91   | 16      |
|           | 64QAM      | 1       | 0         | 14.87   | 14.73   | 14.99   | 16      |
|           |            | 1       | 25        | 14.32   | 13.55   | 15.08   | 16      |
|           |            | 1       | 49        | 15.03   | 15.22   | 15.14   | 16      |
|           |            | 25      | 0         | 15.04   | 14.67   | 14.86   | 16      |

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|  |  |    |    |       |       |       |    |
|--|--|----|----|-------|-------|-------|----|
|  |  | 25 | 13 | 14.57 | 14.79 | 14.05 | 16 |
|  |  | 25 | 25 | 14.5  | 14.32 | 14.99 | 16 |
|  |  | 50 | 0  | 14.75 | 14.62 | 14.38 | 16 |

| LTE Band 12 Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel 23017        | Channel 23095 | Channel 23173 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 18.03                | 17.87         | 18.06         | 19      |
|   |            | 1       | 2         | 16.64                | 16.93         | 17.32         | 19      |
|   |            | 1       | 5         | 17.95                | 18.08         | 18.11         | 19      |
|   |            | 3       | 0         | 18.03                | 17.7          | 17.8          | 19      |
|   |            | 3       | 2         | 17.85                | 17.85         | 18.31         | 19      |
|   |            | 3       | 3         | 17.77                | 17.96         | 17.94         | 19      |
|   |            | 6       | 0         | 17.87                | 17.94         | 17.96         | 19      |
|   | 16QAM      | 1       | 0         | 18.41                | 18.29         | 18.36         | 19      |
|   |            | 1       | 2         | 17.76                | 17.5          | 17.58         | 19      |
|   |            | 1       | 5         | 17.72                | 17.83         | 18.28         | 19      |
|   |            | 3       | 0         | 18.08                | 18.08         | 18.04         | 19      |
|   |            | 3       | 2         | 18.08                | 18.15         | 17.68         | 19      |
|   |            | 3       | 3         | 17.5                 | 17.81         | 17.6          | 19      |
|   |            | 6       | 0         | 18.06                | 17.6          | 17.74         | 19      |
|   | 64QAM      | 1       | 0         | 17.78                | 17.72         | 17.96         | 19      |
|   |            | 1       | 2         | 17.3                 | 16.46         | 18.03         | 19      |
|   |            | 1       | 5         | 17.94                | 18.2          | 18.12         | 19      |
|   |            | 3       | 0         | 18.02                | 17.65         | 17.77         | 19      |
|   |            | 3       | 2         | 17.51                | 17.75         | 17.03         | 19      |
|   |            | 3       | 3         | 17.43                | 17.24         | 17.95         | 19      |
|   |            | 6       | 0         | 17.68                | 17.61         | 17.32         | 19      |
| Bandwidth   | Modulation | RB size | RB offset | Channel 23025        | Channel 23095 | Channel 23165 | Tune up |
| 3MHz  | QPSK       | 1       | 0         | 17.87                | 17.85         | 17.96         | 19      |
|   |            | 1       | 7         | 17.91                | 16.54         | 18.18         | 19      |
|   |            | 1       | 14        | 17.93                | 17.94         | 18.09         | 19      |
|   |            | 8       | 0         | 18.08                | 17.73         | 17.98         | 19      |
|   |            | 8       | 4         | 18.2                 | 18.08         | 18.22         | 19      |
|   |            | 8       | 7         | 17.77                | 18.09         | 17.72         | 19      |
|   |            | 15      | 0         | 17.84                | 17.91         | 17.99         | 19      |
|   | 16QAM      | 1       | 0         | 18.15                | 18.39         | 18.33         | 19      |
|   |            | 1       | 7         | 18.08                | 18.04         | 17.34         | 19      |
|   |            | 1       | 14        | 18.37                | 18.32         | 18.41         | 19      |
|   |            | 8       | 0         | 17.92                | 17.6          | 17.61         | 19      |
|   |            | 8       | 4         | 18.01                | 17.79         | 18            | 19      |
|   |            | 8       | 7         | 17.88                | 17.93         | 17.51         | 19      |
|   |            | 15      | 0         | 17.81                | 17.85         | 18            | 19      |
|   | 64QAM      | 1       | 0         | 17.8                 | 17.7          | 17.93         | 19      |
|   |            | 1       | 7         | 17.24                | 16.49         | 18.01         | 19      |

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|           |            | 1       | 14        | 18.02         | 18.18         | 18.07         | 19      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 8       | 0         | 17.99         | 17.59         | 17.85         | 19      |
|           |            | 8       | 4         | 17.57         | 17.75         | 16.97         | 19      |
|           |            | 8       | 7         | 17.41         | 17.31         | 17.98         | 19      |
|           |            | 15      | 0         | 17.66         | 17.53         | 17.31         | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23035 | Channel 23095 | Channel 23155 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 18.06         | 17.89         | 17.98         | 19      |
|           |            | 1       | 13        | 17.89         | 17.87         | 18.15         | 19      |
|           |            | 1       | 24        | 18.03         | 17.88         | 17.98         | 19      |
|           |            | 12      | 0         | 17.91         | 17.95         | 18.02         | 19      |
|           |            | 12      | 6         | 17.99         | 17.98         | 17.98         | 19      |
|           |            | 12      | 13        | 17.98         | 18.05         | 18.15         | 19      |
|           |            | 25      | 0         | 17.94         | 17.92         | 18.09         | 19      |
|           | 16QAM      | 1       | 0         | 18.04         | 18.25         | 17.84         | 19      |
|           |            | 1       | 13        | 18.44         | 18.44         | 18.49         | 19      |
|           |            | 1       | 24        | 18.44         | 18.53         | 18.31         | 19      |
|           |            | 12      | 0         | 17.85         | 17.84         | 18.03         | 19      |
|           |            | 12      | 6         | 17.75         | 17.62         | 17.94         | 19      |
|           |            | 12      | 13        | 17.83         | 17.93         | 18.08         | 19      |
|           |            | 25      | 0         | 17.8          | 17.83         | 18.1          | 19      |
|           | 64QAM      | 1       | 0         | 17.78         | 17.68         | 17.99         | 19      |
|           |            | 1       | 13        | 17.25         | 16.46         | 18.01         | 19      |
|           |            | 1       | 24        | 17.97         | 18.18         | 18.04         | 19      |
|           |            | 12      | 0         | 18.03         | 17.65         | 17.79         | 19      |
|           |            | 12      | 6         | 17.48         | 17.76         | 16.99         | 19      |
|           |            | 12      | 13        | 17.44         | 17.31         | 17.95         | 19      |
|           |            | 25      | 0         | 17.66         | 17.58         | 17.33         | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23060 | Channel 23095 | Channel 23130 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 17.96         | 17.84         | 17.88         | 19      |
|           |            | 1       | 25        | 17.61         | 17.4          | 18.1          | 19      |
|           |            | 1       | 49        | 17.88         | 17.92         | 18.04         | 19      |
|           |            | 25      | 0         | 17.88         | 17.91         | 18.04         | 19      |
|           |            | 25      | 13        | 17.9          | 17.94         | 18.04         | 19      |
|           |            | 25      | 25        | 17.95         | 18.05         | 18.11         | 19      |
|           |            | 50      | 0         | 17.88         | 18.02         | 17.91         | 19      |
|           | 16QAM      | 1       | 0         | 17.81         | 18.3          | 18.26         | 19      |
|           |            | 1       | 25        | 18.11         | 18.52         | 17.96         | 19      |
|           |            | 1       | 49        | 18.36         | 18.2          | 18.16         | 19      |
|           |            | 25      | 0         | 18            | 17.86         | 17.97         | 19      |
|           |            | 25      | 13        | 17.9          | 17.89         | 17.99         | 19      |
|           |            | 25      | 25        | 17.94         | 18.03         | 18.06         | 19      |
|           |            | 50      | 0         | 17.82         | 17.81         | 17.83         | 19      |
|           | 64QAM      | 1       | 0         | 17.83         | 17.64         | 17.97         | 19      |
|           |            | 1       | 25        | 17.31         | 16.49         | 18.05         | 19      |
|           |            | 1       | 49        | 17.96         | 18.16         | 18.06         | 19      |

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|  |  |    |    |       |       |       |    |
|--|--|----|----|-------|-------|-------|----|
|  |  | 25 | 0  | 18.01 | 17.62 | 17.82 | 19 |
|  |  | 25 | 13 | 17.49 | 17.73 | 16.98 | 19 |
|  |  | 25 | 25 | 17.47 | 17.3  | 17.97 | 19 |
|  |  | 50 | 0  | 17.7  | 17.6  | 17.38 | 19 |

| LTE Band 12 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2 |            |         |           | Conducted Power(dBm) |               |               |         |
|--|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel 23017        | Channel 23095 | Channel 23173 | Tune up |
| 1.4MHz   | QPSK       | 1       | 0         | 17.42                | 17.46         | 17.59         | 18.5    |
|  |            | 1       | 2         | 17.26                | 17.66         | 17.03         | 18.5    |
|  |            | 1       | 5         | 17.55                | 17.55         | 17.53         | 18.5    |
|  |            | 3       | 0         | 17.4                 | 17.52         | 17.2          | 18.5    |
|  |            | 3       | 2         | 17.28                | 17.1          | 16.97         | 18.5    |
|  |            | 3       | 3         | 17.46                | 17.46         | 17.52         | 18.5    |
|  |            | 6       | 0         | 17.74                | 17.34         | 17.29         | 18.5    |
|  | 16QAM      | 1       | 0         | 17.88                | 17.99         | 18.11         | 18.5    |
|  |            | 1       | 2         | 17.7                 | 17.05         | 17.77         | 18.5    |
|  |            | 1       | 5         | 17.74                | 17.95         | 17.54         | 18.5    |
|  |            | 3       | 0         | 17.42                | 16.92         | 17.54         | 18.5    |
|  |            | 3       | 2         | 17.57                | 16.81         | 17.89         | 18.5    |
|  |            | 3       | 3         | 17.33                | 17.43         | 17.18         | 18.5    |
|  |            | 6       | 0         | 17.65                | 17.33         | 17.31         | 18.5    |
|  | 64QAM      | 1       | 0         | 17.37                | 16.91         | 17.07         | 18.5    |
|  |            | 1       | 2         | 17.07                | 16.88         | 16.81         | 18.5    |
|  |            | 1       | 5         | 17.15                | 17.3          | 17.33         | 18.5    |
|  |            | 3       | 0         | 17.04                | 17.09         | 17.43         | 18.5    |
|  |            | 3       | 2         | 17.04                | 17.13         | 17.05         | 18.5    |
|  |            | 3       | 3         | 16.9                 | 16.93         | 17.18         | 18.5    |
|  |            | 6       | 0         | 17.23                | 16.97         | 17.12         | 18.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel 23025        | Channel 23095 | Channel 23165 | Tune up |
| 3MHz   | QPSK       | 1       | 0         | 17.55                | 17.45         | 17.62         | 18.5    |
|  |            | 1       | 7         | 16.03                | 17.15         | 17.83         | 18.5    |
|  |            | 1       | 14        | 17.45                | 17.59         | 17.55         | 18.5    |
|  |            | 8       | 0         | 17.46                | 17.41         | 17.55         | 18.5    |
|  |            | 8       | 4         | 17.43                | 17.23         | 17.74         | 18.5    |
|  |            | 8       | 7         | 17.23                | 17.43         | 17.51         | 18.5    |
|  |            | 15      | 0         | 17.45                | 17.4          | 17.45         | 18.5    |
|  | 16QAM      | 1       | 0         | 17.67                | 17.81         | 18.09         | 18.5    |
|  |            | 1       | 7         | 17.46                | 16.38         | 17.3          | 18.5    |
|  |            | 1       | 14        | 17.64                | 17.5          | 17.41         | 18.5    |
|  |            | 8       | 0         | 17.33                | 17.67         | 17.42         | 18.5    |
|  |            | 8       | 4         | 17.15                | 17.39         | 17.46         | 18.5    |
|  |            | 8       | 7         | 17.32                | 17.31         | 17.57         | 18.5    |
|  |            | 15      | 0         | 17.19                | 17.29         | 17.56         | 18.5    |
|  | 64QAM      | 1       | 0         | 17.43                | 16.91         | 17.13         | 18.5    |

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|           |            | 1       | 7         | 17.11   | 16.84   | 16.84   | 18.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 14        | 17.16   | 17.33   | 17.33   | 18.5    |
|           |            | 8       | 0         | 16.99   | 17.13   | 17.36   | 18.5    |
|           |            | 8       | 4         | 17.04   | 17.13   | 17      | 18.5    |
|           |            | 8       | 7         | 16.89   | 16.92   | 17.16   | 18.5    |
|           |            | 15      | 0         | 17.23   | 17      | 17.14   | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.45   | 17.28   | 17.4    | 18.5    |
|           |            | 1       | 13        | 17.56   | 17.45   | 17.55   | 18.5    |
|           |            | 1       | 24        | 17.45   | 17.48   | 17.46   | 18.5    |
|           |            | 12      | 0         | 17.4    | 17.39   | 17.52   | 18.5    |
|           |            | 12      | 6         | 17.49   | 17.46   | 17.4    | 18.5    |
|           |            | 12      | 13        | 17.47   | 17.52   | 17.68   | 18.5    |
|           |            | 25      | 0         | 17.42   | 17.4    | 17.51   | 18.5    |
|           | 16QAM      | 1       | 0         | 17.78   | 17.26   | 17.73   | 18.5    |
|           |            | 1       | 13        | 17.3    | 17.44   | 17.4    | 18.5    |
|           |            | 1       | 24        | 18.11   | 17.78   | 18.13   | 18.5    |
|           |            | 12      | 0         | 17.49   | 17.46   | 17.51   | 18.5    |
|           |            | 12      | 6         | 17.43   | 17.44   | 17.43   | 18.5    |
|           |            | 12      | 13        | 17.36   | 17.43   | 17.72   | 18.5    |
|           |            | 25      | 0         | 17.35   | 17.32   | 17.44   | 18.5    |
|           | 64QAM      | 1       | 0         | 17.36   | 16.92   | 17.1    | 18.5    |
|           |            | 1       | 13        | 17.16   | 16.86   | 16.81   | 18.5    |
|           |            | 1       | 24        | 17.08   | 17.38   | 17.34   | 18.5    |
|           |            | 12      | 0         | 17.02   | 17.09   | 17.39   | 18.5    |
|           |            | 12      | 6         | 16.99   | 17.13   | 17.04   | 18.5    |
|           |            | 12      | 13        | 16.84   | 17      | 17.19   | 18.5    |
|           |            | 25      | 0         | 17.3    | 16.95   | 17.2    | 18.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.45   | 17.38   | 17.33   | 18.5    |
|           |            | 1       | 25        | 17.02   | 16.82   | 17.62   | 18.5    |
|           |            | 1       | 49        | 17.54   | 17.69   | 17.65   | 18.5    |
|           |            | 25      | 0         | 17.46   | 17.45   | 17.51   | 18.5    |
|           |            | 25      | 13        | 17.44   | 17.39   | 17.35   | 18.5    |
|           |            | 25      | 25        | 17.34   | 17.56   | 17.48   | 18.5    |
|           |            | 50      | 0         | 17.4    | 17.37   | 17.61   | 18.5    |
|           | 16QAM      | 1       | 0         | 17.93   | 17.61   | 17.55   | 18.5    |
|           |            | 1       | 25        | 17.73   | 17.71   | 17.74   | 18.5    |
|           |            | 1       | 49        | 17.82   | 17.89   | 18.14   | 18.5    |
|           |            | 25      | 0         | 17.43   | 17.27   | 17.36   | 18.5    |
|           |            | 25      | 13        | 17.37   | 17.31   | 17.45   | 18.5    |
|           |            | 25      | 25        | 17.24   | 17.38   | 17.46   | 18.5    |
|           |            | 50      | 0         | 17.28   | 17.3    | 17.43   | 18.5    |
|           | 64QAM      | 1       | 0         | 17.44   | 16.92   | 17.1    | 18.5    |
|           |            | 1       | 25        | 17.09   | 16.84   | 16.84   | 18.5    |

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|  |  |    |    |       |       |       |      |
|--|--|----|----|-------|-------|-------|------|
|  |  | 1  | 49 | 17.1  | 17.39 | 17.31 | 18.5 |
|  |  | 25 | 0  | 17.01 | 17.06 | 17.41 | 18.5 |
|  |  | 25 | 13 | 17.03 | 17.14 | 17.09 | 18.5 |
|  |  | 25 | 25 | 16.86 | 16.94 | 17.14 | 18.5 |
|  |  | 50 | 0  | 17.23 | 16.99 | 17.12 | 18.5 |

| LTE Band 12 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2 |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 17.13                | 16.92   | 17.07   | 18      |
|   |            | 1       | 2         | 16.52                | 17.36   | 16.6    | 18      |
|   |            | 1       | 5         | 16.97                | 17.03   | 17.09   | 18      |
|   |            | 3       | 0         | 16.93                | 16.84   | 17.07   | 18      |
|   |            | 3       | 2         | 16.85                | 17.05   | 16.93   | 18      |
|   |            | 3       | 3         | 16.74                | 16.85   | 16.79   | 18      |
|   |            | 6       | 0         | 16.61                | 16.94   | 17.11   | 18      |
|   | 16QAM      | 1       | 0         | 17.32                | 17.15   | 17.46   | 18      |
|   |            | 1       | 2         | 16.52                | 17.2    | 17.29   | 18      |
|   |            | 1       | 5         | 17.34                | 17.41   | 17.63   | 18      |
|   |            | 3       | 0         | 16.9                 | 16.81   | 17.16   | 18      |
|   |            | 3       | 2         | 16.8                 | 16.51   | 17.11   | 18      |
|   |            | 3       | 3         | 17.08                | 17.04   | 17.14   | 18      |
|   |            | 6       | 0         | 17.18                | 16.74   | 16.24   | 18      |
|   | 64QAM      | 1       | 0         | 16.79                | 16.39   | 16.49   | 18      |
|   |            | 1       | 2         | 16.5                 | 16.38   | 16.24   | 18      |
|   |            | 1       | 5         | 16.6                 | 16.79   | 16.77   | 18      |
|   |            | 3       | 0         | 16.51                | 16.53   | 16.85   | 18      |
|   |            | 3       | 2         | 16.5                 | 16.6    | 16.45   | 18      |
|   |            | 3       | 3         | 16.31                | 16.4    | 16.59   | 18      |
|   |            | 6       | 0         | 16.66                | 16.45   | 16.52   | 18      |
| 3MHz  | QPSK       | 1       | 0         | 17.08                | 16.94   | 17.09   | 18      |
|   |            | 1       | 7         | 15.76                | 17.96   | 16.75   | 18      |
|   |            | 1       | 14        | 16.95                | 16.95   | 17.09   | 18      |
|   |            | 8       | 0         | 16.75                | 16.89   | 17.06   | 18      |
|   |            | 8       | 4         | 17.16                | 16.97   | 17.13   | 18      |
|   |            | 8       | 7         | 16.79                | 16.72   | 17.01   | 18      |
|   |            | 15      | 0         | 16.84                | 16.9    | 16.96   | 18      |
|   | 16QAM      | 1       | 0         | 17.45                | 17.25   | 16.96   | 18      |
|   |            | 1       | 7         | 17.35                | 17.32   | 17.01   | 18      |
|   |            | 1       | 14        | 16.92                | 17.52   | 17.51   | 18      |
|   |            | 8       | 0         | 16.9                 | 16.88   | 17.2    | 18      |
|   |            | 8       | 4         | 16.89                | 17.04   | 17.05   | 18      |
|   |            | 8       | 7         | 16.83                | 16.84   | 16.96   | 18      |
|   |            | 15      | 0         | 16.93                | 16.84   | 17.16   | 18      |

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|           | 64QAM      | 1       | 0         | 16.78         | 16.37         | 16.56         | 18      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 7         | 16.47         | 16.35         | 16.24         | 18      |
|           |            | 1       | 14        | 16.6          | 16.78         | 16.75         | 18      |
|           |            | 8       | 0         | 16.53         | 16.49         | 16.9          | 18      |
|           |            | 8       | 4         | 16.49         | 16.63         | 16.5          | 18      |
|           |            | 8       | 7         | 16.34         | 16.38         | 16.65         | 18      |
|           |            | 15      | 0         | 16.65         | 16.44         | 16.56         | 18      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23035 | Channel 23095 | Channel 23155 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 17.02         | 16.88         | 17.09         | 18      |
|           |            | 1       | 13        | 16.89         | 16.92         | 17.13         | 18      |
|           |            | 1       | 24        | 17.03         | 17.01         | 16.96         | 18      |
|           |            | 12      | 0         | 17.04         | 16.94         | 17.04         | 18      |
|           |            | 12      | 6         | 16.65         | 16.78         | 17.05         | 18      |
|           |            | 12      | 13        | 16.99         | 16.95         | 17.22         | 18      |
|           |            | 25      | 0         | 16.99         | 16.96         | 17.12         | 18      |
|           | 16QAM      | 1       | 0         | 17.23         | 16.77         | 17.28         | 18      |
|           |            | 1       | 13        | 17.01         | 17.37         | 17.5          | 18      |
|           |            | 1       | 24        | 17.36         | 17.4          | 17.22         | 18      |
|           |            | 12      | 0         | 16.94         | 17.09         | 16.92         | 18      |
|           |            | 12      | 6         | 16.91         | 17            | 16.99         | 18      |
|           |            | 12      | 13        | 16.92         | 16.92         | 17.04         | 18      |
|           |            | 25      | 0         | 16.89         | 16.83         | 16.97         | 18      |
|           | 64QAM      | 1       | 0         | 16.78         | 16.4          | 16.48         | 18      |
|           |            | 1       | 13        | 16.54         | 16.35         | 16.22         | 18      |
|           |            | 1       | 24        | 16.57         | 16.73         | 16.81         | 18      |
|           |            | 12      | 0         | 16.49         | 16.52         | 16.89         | 18      |
|           |            | 12      | 6         | 16.47         | 16.59         | 16.49         | 18      |
|           |            | 12      | 13        | 16.38         | 16.38         | 16.58         | 18      |
|           |            | 25      | 0         | 16.71         | 16.39         | 16.57         | 18      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23060 | Channel 23095 | Channel 23130 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 16.93         | 16.91         | 16.82         | 18      |
|           |            | 1       | 25        | 17.1          | 17.11         | 17.04         | 18      |
|           |            | 1       | 49        | 17.09         | 16.95         | 16.99         | 18      |
|           |            | 25      | 0         | 16.93         | 16.86         | 16.91         | 18      |
|           |            | 25      | 13        | 16.96         | 17.02         | 16.95         | 18      |
|           |            | 25      | 25        | 16.96         | 17            | 17.05         | 18      |
|           |            | 50      | 0         | 16.99         | 16.98         | 17.03         | 18      |
|           | 16QAM      | 1       | 0         | 17.13         | 16.91         | 17            | 18      |
|           |            | 1       | 25        | 16.88         | 16.94         | 16.98         | 18      |
|           |            | 1       | 49        | 17.48         | 17.5          | 17.39         | 18      |
|           |            | 25      | 0         | 16.87         | 16.82         | 16.8          | 18      |
|           |            | 25      | 13        | 16.98         | 16.86         | 16.74         | 18      |
|           |            | 25      | 25        | 16.88         | 16.98         | 16.95         | 18      |
|           |            | 50      | 0         | 16.9          | 16.88         | 16.9          | 18      |
|           | 64QAM      | 1       | 0         | 16.86         | 16.39         | 16.5          | 18      |

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|  |  |    |    |       |       |       |    |
|--|--|----|----|-------|-------|-------|----|
|  |  | 1  | 25 | 16.51 | 16.3  | 16.3  | 18 |
|  |  | 1  | 49 | 16.56 | 16.72 | 16.82 | 18 |
|  |  | 25 | 0  | 16.45 | 16.56 | 16.86 | 18 |
|  |  | 25 | 13 | 16.48 | 16.6  | 16.49 | 18 |
|  |  | 25 | 25 | 16.36 | 16.37 | 16.58 | 18 |
|  |  | 50 | 0  | 16.64 | 16.68 | 16.53 | 18 |

| LTE Band 12 Receiver off (body or limbs) +<br>WiFi2.4G Ant1 + WiFi5G Ant2 |            |            |              | Conducted Power(dBm) |         |         |         |
|---|------------|------------|--------------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|   |            |            |              | 23017                | 23095   | 23173   |         |
| 1.4MHz  | QPSK       | 1          | 0            | 19.98                | 19.98   | 20.12   | 21      |
|   |            | 1          | 2            | 19.26                | 19.03   | 18.94   | 21      |
|   |            | 1          | 5            | 19.91                | 19.99   | 20.03   | 21      |
|   |            | 3          | 0            | 19.88                | 19.89   | 20.08   | 21      |
|   |            | 3          | 2            | 20.13                | 20.17   | 19.25   | 21      |
|   |            | 3          | 3            | 20.14                | 20      | 19.81   | 21      |
|   |            | 6          | 0            | 20.11                | 19.94   | 20.03   | 21      |
|   | 16QAM      | 1          | 0            | 20.2                 | 20.02   | 20.51   | 21      |
|   |            | 1          | 2            | 19.72                | 18.68   | 20.29   | 21      |
|   |            | 1          | 5            | 20.39                | 20.43   | 20.49   | 21      |
|   |            | 3          | 0            | 20.32                | 19.96   | 20.11   | 21      |
|   |            | 3          | 2            | 19.87                | 20.06   | 19.38   | 21      |
|   |            | 3          | 3            | 19.67                | 19.6    | 20.14   | 21      |
|   |            | 6          | 0            | 20.04                | 19.83   | 19.69   | 21      |
|   | 64QAM      | 1          | 0            | 19.92                | 19.79   | 20.19   | 21      |
|   |            | 1          | 2            | 19.54                | 18.44   | 20.26   | 21      |
|   |            | 1          | 5            | 20.24                | 20.19   | 20.39   | 21      |
|   |            | 3          | 0            | 20.1                 | 19.86   | 20.1    | 21      |
|   |            | 3          | 2            | 19.68                | 20      | 19.16   | 21      |
|   |            | 3          | 3            | 19.46                | 19.46   | 20.07   | 21      |
|   |            | 6          | 0            | 19.87                | 19.64   | 19.44   | 21      |
| Bandwidth   | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|   |            |            |              | 23025                | 23095   | 23165   |         |
| 3MHz  | QPSK       | 1          | 0            | 20.01                | 19.88   | 19.99   | 21      |
|   |            | 1          | 7            | 19.02                | 20.04   | 20.31   | 21      |
|   |            | 1          | 14           | 20                   | 20.03   | 20.11   | 21      |
|   |            | 8          | 0            | 19.38                | 19.9    | 20.05   | 21      |
|   |            | 8          | 4            | 20.14                | 20.12   | 20.19   | 21      |
|   |            | 8          | 7            | 19.62                | 19.91   | 19.83   | 21      |
|   |            | 15         | 0            | 19.9                 | 19.85   | 20.11   | 21      |
|   | 16QAM      | 1          | 0            | 20.42                | 20.29   | 20.1    | 21      |
|   |            | 1          | 7            | 19.63                | 20.77   | 20.06   | 21      |
|   |            | 1          | 14           | 20.35                | 20.33   | 20.23   | 21      |
|   |            | 8          | 0            | 19.89                | 19.99   | 19.85   | 21      |
|   |            | 8          | 4            | 19.94                | 19.89   | 20.24   | 21      |
|   |            | 8          | 7            | 19.71                | 20      | 19.97   | 21      |

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|           | 64QAM      | 15      | 0         | 19.95         | 19.94         | 19.91         | 21      |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 1       | 0         | 20.3          | 20.24         | 19.94         | 21      |
|           |            | 1       | 7         | 19.54         | 20.62         | 19.99         | 21      |
|           |            | 1       | 14        | 20.13         | 20.05         | 20.05         | 21      |
|           |            | 8       | 0         | 19.67         | 19.81         | 19.61         | 21      |
|           |            | 8       | 4         | 19.92         | 19.68         | 20.09         | 21      |
|           |            | 8       | 7         | 19.51         | 19.77         | 19.85         | 21      |
|           |            | 15      | 0         | 19.94         | 19.81         | 19.74         | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23035 | Channel 23095 | Channel 23155 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 19.94         | 19.84         | 19.97         | 21      |
|           |            | 1       | 13        | 19.93         | 20.07         | 20.05         | 21      |
|           |            | 1       | 24        | 19.99         | 19.92         | 20.04         | 21      |
|           |            | 12      | 0         | 19.98         | 19.94         | 20.04         | 21      |
|           |            | 12      | 6         | 19.94         | 19.91         | 19.86         | 21      |
|           |            | 12      | 13        | 19.97         | 20            | 20.09         | 21      |
|           |            | 25      | 0         | 19.81         | 19.97         | 20.03         | 21      |
|           | 16QAM      | 1       | 0         | 20.39         | 20.37         | 20.34         | 21      |
|           |            | 1       | 13        | 20.21         | 20.43         | 20.32         | 21      |
|           |            | 1       | 24        | 20.33         | 20.28         | 20.3          | 21      |
|           |            | 12      | 0         | 19.99         | 20.01         | 19.96         | 21      |
|           |            | 12      | 6         | 19.8          | 19.86         | 19.84         | 21      |
|           |            | 12      | 13        | 20            | 19.93         | 20.24         | 21      |
|           |            | 25      | 0         | 19.86         | 19.76         | 20.01         | 21      |
|           | 64QAM      | 1       | 0         | 20.14         | 19.94         | 20.18         | 21      |
|           |            | 1       | 13        | 19.51         | 18.58         | 20.15         | 21      |
|           |            | 1       | 24        | 20.12         | 20.31         | 20.37         | 21      |
|           |            | 12      | 0         | 20.27         | 19.79         | 20.03         | 21      |
|           |            | 12      | 6         | 19.78         | 19.91         | 19.15         | 21      |
|           |            | 12      | 13        | 19.48         | 19.44         | 19.93         | 21      |
|           |            | 25      | 0         | 19.88         | 19.77         | 19.67         | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel 23060 | Channel 23095 | Channel 23130 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 20.17         | 19.88         | 19.89         | 21      |
|           |            | 1       | 25        | 20.01         | 19.53         | 19.75         | 21      |
|           |            | 1       | 49        | 19.91         | 19.89         | 19.95         | 21      |
|           |            | 25      | 0         | 19.9          | 19.94         | 19.93         | 21      |
|           |            | 25      | 13        | 19.97         | 19.97         | 19.99         | 21      |
|           |            | 25      | 25        | 19.89         | 20.01         | 20.02         | 21      |
|           |            | 50      | 0         | 19.94         | 20.06         | 20.01         | 21      |
|           | 16QAM      | 1       | 0         | 20.34         | 20.75         | 20.18         | 21      |
|           |            | 1       | 25        | 19.51         | 20.09         | 20.14         | 21      |
|           |            | 1       | 49        | 20.34         | 20.36         | 20.72         | 21      |
|           |            | 25      | 0         | 19.92         | 19.88         | 19.92         | 21      |
|           |            | 25      | 13        | 19.94         | 19.81         | 19.85         | 21      |
|           |            | 25      | 25        | 19.76         | 19.99         | 20.12         | 21      |
|           |            | 50      | 0         | 19.93         | 19.82         | 20.06         | 21      |

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|  |       |    |    |       |       |       |    |
|--|-------|----|----|-------|-------|-------|----|
|  | 64QAM | 1  | 0  | 19.93 | 19.82 | 20.26 | 21 |
|  |       | 1  | 25 | 19.54 | 18.61 | 20.17 | 21 |
|  |       | 1  | 49 | 20.21 | 20.31 | 20.25 | 21 |
|  |       | 25 | 0  | 20.18 | 19.7  | 19.96 | 21 |
|  |       | 25 | 13 | 19.73 | 19.9  | 19.19 | 21 |
|  |       | 25 | 25 | 19.6  | 19.56 | 20.08 | 21 |
|  |       | 50 | 0  | 19.95 | 19.82 | 19.52 | 21 |

| LTE Band 17 Receiver on(Left head) |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz                               | QPSK       | 1       | 0         | 19.61                | 19.6    | 19.61   | 20.5    |
|                                    |            | 1       | 13        | 19.65                | 19.64   | 19.66   | 20.5    |
|                                    |            | 1       | 24        | 19.63                | 19.64   | 19.73   | 20.5    |
|                                    |            | 12      | 0         | 19.62                | 19.62   | 19.68   | 20.5    |
|                                    |            | 12      | 6         | 19.63                | 19.62   | 19.57   | 20.5    |
|                                    |            | 12      | 13        | 19.68                | 19.71   | 19.72   | 20.5    |
|                                    |            | 25      | 0         | 19.62                | 19.62   | 19.71   | 20.5    |
|                                    | 16QAM      | 1       | 0         | 19.87                | 19.82   | 19.88   | 20.5    |
|                                    |            | 1       | 13        | 19.93                | 19.9    | 20      | 20.5    |
|                                    |            | 1       | 24        | 19.86                | 19.9    | 20.08   | 20.5    |
|                                    |            | 12      | 0         | 19.53                | 19.6    | 19.63   | 20.5    |
|                                    |            | 12      | 6         | 19.62                | 19.68   | 19.6    | 20.5    |
|                                    |            | 12      | 13        | 19.66                | 19.68   | 19.61   | 20.5    |
|                                    |            | 25      | 0         | 19.57                | 19.58   | 19.63   | 20.5    |
|                                    | 64QAM      | 1       | 0         | 19.74                | 19.75   | 19.74   | 20.5    |
|                                    |            | 1       | 13        | 19.35                | 19.45   | 19.36   | 20.5    |
|                                    |            | 1       | 24        | 19.69                | 19.72   | 19.96   | 20.5    |
|                                    |            | 12      | 0         | 19.56                | 19.55   | 19.62   | 20.5    |
|                                    |            | 12      | 6         | 19.51                | 19.6    | 19.52   | 20.5    |
|                                    |            | 12      | 13        | 19.57                | 19.57   | 19.54   | 20.5    |
|                                    |            | 25      | 0         | 19.6                 | 19.55   | 19.53   | 20.5    |
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 23780                | 23790   | 23800   |         |
| 10MHz                              | QPSK       | 1       | 0         | 19.54                | 19.61   | 19.56   | 20.5    |
|                                    |            | 1       | 25        | 19.44                | 19.39   | 19.58   | 20.5    |
|                                    |            | 1       | 49        | 19.67                | 19.68   | 19.72   | 20.5    |
|                                    |            | 25      | 0         | 19.61                | 19.61   | 19.63   | 20.5    |
|                                    |            | 25      | 13        | 19.61                | 19.58   | 19.64   | 20.5    |
|                                    |            | 25      | 25        | 19.7                 | 19.66   | 19.74   | 20.5    |
|                                    |            | 50      | 0         | 19.69                | 19.71   | 19.68   | 20.5    |
|                                    | 16QAM      | 1       | 0         | 19.88                | 19.83   | 19.83   | 20.5    |
|                                    |            | 1       | 25        | 19.53                | 19.52   | 19.61   | 20.5    |
|                                    |            | 1       | 49        | 19.84                | 19.92   | 20.07   | 20.5    |
|                                    |            | 25      | 0         | 19.6                 | 19.55   | 19.61   | 20.5    |
|                                    |            | 25      | 13        | 19.6                 | 19.62   | 19.65   | 20.5    |

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|  |       |    |    |       |       |       |      |
|--|-------|----|----|-------|-------|-------|------|
|  |       | 25 | 25 | 19.69 | 19.68 | 19.69 | 20.5 |
|  |       | 50 | 0  | 19.61 | 19.65 | 19.63 | 20.5 |
|  | 64QAM | 1  | 0  | 19.77 | 19.78 | 19.77 | 20.5 |
|  |       | 1  | 25 | 19.45 | 19.49 | 19.38 | 20.5 |
|  |       | 1  | 49 | 19.73 | 19.81 | 19.96 | 20.5 |
|  |       | 25 | 0  | 19.59 | 19.61 | 19.62 | 20.5 |
|  |       | 25 | 13 | 19.6  | 19.61 | 19.56 | 20.5 |
|  |       | 25 | 25 | 19.62 | 19.63 | 19.6  | 20.5 |
|  |       | 50 | 0  | 19.6  | 19.59 | 19.61 | 20.5 |

| LTE Band 17 Receiver on(Right head) |            |         |           | Conducted Power(dBm) |              |              |         |
|-------------------------------------|------------|---------|-----------|----------------------|--------------|--------------|---------|
| Bandwidth                           | Modulation | RB size | RB offset | Channel              | Channel      | Channel      | Tune up |
|                                     |            |         |           | 23755                | 23790        | 23825        |         |
| 5MHz                                | QPSK       | 1       | 0         | 20.08                | 20.03        | 20.1         | 21      |
|                                     |            | 1       | 13        | 20.08                | 20.1         | 20.13        | 21      |
|                                     |            | 1       | 24        | 20.11                | 20.13        | 20.2         | 21      |
|                                     |            | 12      | 0         | 20.07                | 20.11        | 20.2         | 21      |
|                                     |            | 12      | 6         | 20.12                | 20.05        | 20.07        | 21      |
|                                     |            | 12      | 13        | 20.16                | 20.21        | 20.18        | 21      |
|                                     |            | 25      | 0         | 20.09                | 20.1         | 20.14        | 21      |
|                                     | 16QAM      | 1       | 0         | 20.35                | 20.46        | 20.52        | 21      |
|                                     |            | 1       | 13        | 20.49                | 20.46        | 20.52        | 21      |
|                                     |            | 1       | 24        | 20.47                | 20.52        | 20.54        | 21      |
|                                     |            | 12      | 0         | 20.12                | 20.14        | 20.17        | 21      |
|                                     |            | 12      | 6         | 20.1                 | 20.05        | 20.09        | 21      |
|                                     |            | 12      | 13        | 20.14                | 20.16        | 20.15        | 21      |
|                                     |            | 25      | 0         | 20.01                | 20.1         | 20.06        | 21      |
|                                     | 64QAM      | 1       | 0         | 20.2                 | 20.21        | 20.32        | 21      |
|                                     |            | 1       | 13        | 19.84                | 19.86        | 19.83        | 21      |
|                                     |            | 1       | 24        | 20.33                | 20.32        | 20.24        | 21      |
|                                     |            | 12      | 0         | 20.04                | 20.11        | 20.02        | 21      |
|                                     |            | 12      | 6         | 19.98                | 20.06        | 20.06        | 21      |
|                                     |            | 12      | 13        | 20.04                | 20.08        | 20           | 21      |
|                                     |            | 25      | 0         | 20.05                | 20.05        | 20.06        | 21      |
| Bandwidth                           | Modulation | RB size | RB offset | Channel              | Channel      | Channel      | Tune up |
| 10MHz                               | QPSK       | 1       | 0         | 20.04                | 20.04        | 20.03        | 21      |
|                                     |            | 1       | 25        | 20.02                | 19.93        | 19.91        | 21      |
|                                     |            | 1       | 49        | <b>20.16</b>         | <b>20.18</b> | <b>20.25</b> | 21      |
|                                     |            | 25      | 0         | 20.09                | 20.14        | 20.09        | 21      |
|                                     |            | 25      | 13        | 20.12                | 20.12        | 20.14        | 21      |
|                                     |            | 25      | 25        | 20.2                 | 20.2         | <b>20.2</b>  | 21      |
|                                     |            | 50      | 0         | 20.16                | 20.2         | 20.15        | 21      |
|                                     | 16QAM      | 1       | 0         | 20.32                | 20.35        | 20.35        | 21      |
|                                     |            | 1       | 25        | 20.36                | 20.39        | 20.32        | 21      |

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|  |       |    |    |       |       |       |    |
|--|-------|----|----|-------|-------|-------|----|
|  |       | 1  | 49 | 20.51 | 20.55 | 20.47 | 21 |
|  |       | 25 | 0  | 20    | 20.03 | 20.02 | 21 |
|  |       | 25 | 13 | 20.09 | 20.06 | 20.02 | 21 |
|  |       | 25 | 25 | 20.13 | 20.09 | 20.1  | 21 |
|  |       | 50 | 0  | 20.08 | 20.1  | 20.05 | 21 |
|  | 64QAM | 1  | 0  | 20.2  | 20.32 | 20.35 | 21 |
|  |       | 1  | 25 | 19.88 | 19.95 | 19.91 | 21 |
|  |       | 1  | 49 | 20.37 | 20.34 | 20.33 | 21 |
|  |       | 25 | 0  | 20.08 | 20.12 | 20.11 | 21 |
|  |       | 25 | 13 | 20.08 | 20.1  | 20.12 | 21 |
|  |       | 25 | 25 | 20.11 | 20.16 | 20.08 | 21 |
|  |       | 50 | 0  | 20.1  | 20.15 | 20.07 | 21 |

| LTE Band 17 Receiver off (body or limbs) |            |         |           | Conducted Power(dBm) |                  |                  |         |
|--|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth                                | Modulation | RB size | RB offset | Channel<br>23755     | Channel<br>23790 | Channel<br>23825 | Tune up |
| 5MHz                                     | QPSK       | 1       | 0         | 22.99                | 23.07            | 23.12            | 24      |
|  |            | 1       | 13        | 23.19                | 23.02            | 23.16            | 24      |
|  |            | 1       | 24        | 23.04                | 23.16            | 23.11            | 24      |
|  |            | 12      | 0         | 22.08                | 22.1             | 22.09            | 23      |
|  |            | 12      | 6         | 22.01                | 22.02            | 21.99            | 23      |
|  |            | 12      | 13        | 22.06                | 22.11            | 22.07            | 23      |
|  |            | 25      | 0         | 22.02                | 22.07            | 22.05            | 23      |
|  | 16QAM      | 1       | 0         | 22.28                | 22.29            | 22.31            | 23      |
|  |            | 1       | 13        | 22.33                | 22.37            | 22.38            | 23      |
|  |            | 1       | 24        | 22.32                | 22.28            | 22.48            | 23      |
|  |            | 12      | 0         | 21.03                | 21.07            | 21.08            | 22      |
|  |            | 12      | 6         | 21.13                | 21.04            | 21.07            | 22      |
|  |            | 12      | 13        | 21.09                | 21.17            | 21.06            | 22      |
|  |            | 25      | 0         | 20.98                | 21.01            | 21.02            | 22      |
|  | 64QAM      | 1       | 0         | 21.21                | 21.24            | 21.25            | 22      |
|  |            | 1       | 13        | 21.11                | 20.99            | 20.89            | 22      |
|  |            | 1       | 24        | 21.26                | 21.15            | 21.29            | 22      |
|  |            | 12      | 0         | 20.03                | 20.05            | 20.04            | 21      |
|  |            | 12      | 6         | 20.04                | 20.02            | 20.09            | 21      |
|  |            | 12      | 13        | 20.11                | 20.05            | 20.09            | 21      |
|  |            | 25      | 0         | 20.00                | 20.11            | 20.01            | 21      |
| Bandwidth                                | Modulation | RB size | RB offset | Channel<br>23780     | Channel<br>23790 | Channel<br>23800 | Tune up |
| 10MHz                                    | QPSK       | 1       | 0         | 23.02                | 23.1             | 23.04            | 24      |
|  |            | 1       | 25        | 22.89                | 22.98            | 22.94            | 24      |
|  |            | 1       | 49        | <b>23.11</b>         | <b>23.08</b>     | <b>23.06</b>     | 24      |
|  |            | 25      | 0         | 22.01                | 22.07            | 22.02            | 23      |
|  |            | 25      | 13        | 22.03                | 22.03            | 22.05            | 23      |

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|  |       |    |    |              |       |       |    |
|--|-------|----|----|--------------|-------|-------|----|
|  |       | 25 | 25 | <b>22.13</b> | 22.12 | 22.09 | 23 |
|  |       | 50 | 0  | 22.06        | 22.11 | 22.09 | 23 |
|  | 16QAM | 1  | 0  | 22.29        | 22.23 | 22.33 | 23 |
|  |       | 1  | 25 | 22.25        | 22.26 | 22.06 | 23 |
|  |       | 1  | 49 | 22.36        | 22.29 | 22.45 | 23 |
|  |       | 25 | 0  | 20.99        | 20.98 | 20.98 | 22 |
|  |       | 25 | 13 | 21.03        | 20.96 | 21.04 | 22 |
|  |       | 25 | 25 | 21.04        | 21.04 | 21.06 | 22 |
|  |       | 50 | 0  | 20.99        | 21.02 | 20.95 | 22 |
|  |       | 1  | 0  | 21.24        | 21.3  | 21.26 | 22 |
|  | 64QAM | 1  | 25 | 21.12        | 21.06 | 20.93 | 22 |
|  |       | 1  | 49 | 21.29        | 21.23 | 21.33 | 22 |
|  |       | 25 | 0  | 20.09        | 20.1  | 20.12 | 21 |
|  |       | 25 | 13 | 20.1         | 20.09 | 20.1  | 21 |
|  |       | 25 | 25 | 20.13        | 20.12 | 20.12 | 21 |
|  |       | 50 | 0  | 20.07        | 20.13 | 20.09 | 21 |

| LTE Band 17 Receiver off (body or limbs) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz  | QPSK       | 1       | 0         | 19.98                | 19.93   | 19.91   | 21      |
|   |            | 1       | 13        | 20.03                | 20.02   | 20.03   | 21      |
|   |            | 1       | 24        | 20                   | 20.02   | 20.04   | 21      |
|   |            | 12      | 0         | 19.99                | 20.01   | 19.99   | 21      |
|   |            | 12      | 6         | 19.93                | 19.91   | 19.95   | 21      |
|   |            | 12      | 13        | 20.06                | 20.02   | 20.03   | 21      |
|   |            | 25      | 0         | 19.97                | 19.96   | 20.01   | 21      |
|   | 16QAM      | 1       | 0         | 20.26                | 20.31   | 20.35   | 21      |
|   |            | 1       | 13        | 20.26                | 20.29   | 20.35   | 21      |
|   |            | 1       | 24        | 20.3                 | 20.35   | 20.41   | 21      |
|   |            | 12      | 0         | 19.91                | 19.98   | 19.98   | 21      |
|   |            | 12      | 6         | 20.01                | 19.88   | 19.89   | 21      |
|   |            | 12      | 13        | 20                   | 20.03   | 19.97   | 21      |
|   |            | 25      | 0         | 19.93                | 19.93   | 19.95   | 21      |
|   | 64QAM      | 1       | 0         | 20.19                | 20.31   | 20.32   | 21      |
|   |            | 1       | 13        | 19.87                | 19.93   | 19.9    | 21      |
|   |            | 1       | 24        | 20.36                | 20.31   | 20.31   | 21      |
|   |            | 12      | 0         | 20.04                | 20.08   | 20.06   | 21      |
|   |            | 12      | 6         | 20.07                | 20.09   | 20.11   | 21      |
|   |            | 12      | 13        | 20.11                | 20.14   | 20.04   | 21      |
|   |            | 25      | 0         | 20.06                | 20.13   | 20.05   | 21      |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 23780                | 23790   | 23800   |         |
| 10MHz   | QPSK       | 1       | 0         | 19.91                | 19.9    | 19.86   | 21      |

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|  |       |    |    |              |              |              |    |
|--|-------|----|----|--------------|--------------|--------------|----|
|  |       | 1  | 25 | 19.76        | 19.84        | 19.65        | 21 |
|  |       | 1  | 49 | <b>19.99</b> | <b>20.03</b> | <b>20.05</b> | 21 |
|  |       | 25 | 0  | 19.97        | 19.98        | 19.96        | 21 |
|  |       | 25 | 13 | 19.98        | 19.99        | 19.98        | 21 |
|  |       | 25 | 25 | 20.02        | 19.98        | <b>20.05</b> | 21 |
|  |       | 50 | 0  | 20.01        | 20.04        | 19.98        | 21 |
|  |       | 1  | 0  | 20.17        | 20.26        | 20.31        | 21 |
|  | 16QAM | 1  | 25 | 19.89        | 20.12        | 19.93        | 21 |
|  |       | 1  | 49 | 20.33        | 20.2         | 20.2         | 21 |
|  |       | 25 | 0  | 19.92        | 19.88        | 19.91        | 21 |
|  |       | 25 | 13 | 19.96        | 19.92        | 19.92        | 21 |
|  |       | 25 | 25 | 19.95        | 19.98        | 19.97        | 21 |
|  |       | 50 | 0  | 19.94        | 19.97        | 19.91        | 21 |
|  |       | 1  | 0  | 20.18        | 20.27        | 20.32        | 21 |
|  | 64QAM | 1  | 25 | 19.84        | 19.92        | 19.87        | 21 |
|  |       | 1  | 49 | 20.36        | 20.32        | 20.29        | 21 |
|  |       | 25 | 0  | 20.04        | 20.11        | 20.1         | 21 |
|  |       | 25 | 13 | 20.04        | 20.09        | 20.08        | 21 |
|  |       | 25 | 25 | 20.09        | 20.12        | 20.06        | 21 |
|  |       | 50 | 0  | 20.07        | 20.14        | 20.03        | 21 |

| LTE Band 17 Receiver off (body or limbs) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz  | QPSK       | 1       | 0         | 17.96                | 17.94   | 17.97   | 19      |
|   |            | 1       | 13        | 18.01                | 18      | 18.02   | 19      |
|   |            | 1       | 24        | 18.01                | 18.03   | 18.11   | 19      |
|   |            | 12      | 0         | 18.02                | 17.99   | 18.02   | 19      |
|   |            | 12      | 6         | 17.96                | 17.92   | 17.99   | 19      |
|   |            | 12      | 13        | 18.03                | 18.1    | 18.08   | 19      |
|   |            | 25      | 0         | 17.99                | 18      | 17.99   | 19      |
|   | 16QAM      | 1       | 0         | 18.26                | 18.26   | 18.23   | 19      |
|   |            | 1       | 13        | 18.34                | 18.24   | 18.32   | 19      |
|   |            | 1       | 24        | 18.3                 | 18.36   | 18.37   | 19      |
|   |            | 12      | 0         | 17.96                | 17.97   | 18.02   | 19      |
|   |            | 12      | 6         | 17.99                | 18      | 17.98   | 19      |
|   |            | 12      | 13        | 17.95                | 18.05   | 18.02   | 19      |
|   |            | 25      | 0         | 17.93                | 17.93   | 17.94   | 19      |
|   | 64QAM      | 1       | 0         | 18.17                | 18.26   | 18.28   | 19      |
|   |            | 1       | 13        | 17.77                | 17.88   | 17.84   | 19      |
|   |            | 1       | 24        | 18.27                | 18.29   | 18.26   | 19      |
|   |            | 12      | 0         | 18.01                | 18.04   | 18.03   | 19      |
|   |            | 12      | 6         | 18.01                | 18.06   | 18.05   | 19      |
|   |            | 12      | 13        | 18.02                | 18.05   | 18.02   | 19      |
|   |            | 25      | 0         | 18.07                | 18.09   | 18.01   | 19      |

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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 23780   | 23790   | 23800   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.92   | 17.91   | 17.9    | 19      |
|           |            | 1       | 25        | 17.64   | 17.75   | 17.7    | 19      |
|           |            | 1       | 49        | 18.06   | 18.05   | 18.08   | 19      |
|           |            | 25      | 0         | 17.97   | 17.95   | 17.93   | 19      |
|           |            | 25      | 13        | 17.99   | 17.98   | 17.97   | 19      |
|           |            | 25      | 25        | 18.06   | 18.06   | 18.07   | 19      |
|           |            | 50      | 0         | 17.99   | 18.05   | 18.02   | 19      |
|           | 16QAM      | 1       | 0         | 18.26   | 18.22   | 18.24   | 19      |
|           |            | 1       | 25        | 18.13   | 17.92   | 18.15   | 19      |
|           |            | 1       | 49        | 18.36   | 18.4    | 18.39   | 19      |
|           |            | 25      | 0         | 17.95   | 17.87   | 17.88   | 19      |
|           |            | 25      | 13        | 17.88   | 17.93   | 17.89   | 19      |
|           |            | 25      | 25        | 17.97   | 18      | 17.96   | 19      |
|           |            | 50      | 0         | 17.94   | 17.98   | 17.97   | 19      |
|           | 64QAM      | 1       | 0         | 18.16   | 18.21   | 18.29   | 19      |
|           |            | 1       | 25        | 17.79   | 17.83   | 17.85   | 19      |
|           |            | 1       | 49        | 18.34   | 18.32   | 18.24   | 19      |
|           |            | 25      | 0         | 17.96   | 18.04   | 18.03   | 19      |
|           |            | 25      | 13        | 17.99   | 18.07   | 18.04   | 19      |
|           |            | 25      | 25        | 18.07   | 18.09   | 18.01   | 19      |
|           |            | 50      | 0         | 18      | 18.05   | 17.96   | 19      |

| LTE Band 17 Receiver on(Left head) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz  | QPSK       | 1       | 0         | 16.43                | 16.35   | 16.43   | 17.5    |
|   |            | 1       | 13        | 16.45                | 16.46   | 16.46   | 17.5    |
|   |            | 1       | 24        | 16.45                | 16.52   | 16.72   | 17.5    |
|   |            | 12      | 0         | 16.44                | 16.48   | 16.52   | 17.5    |
|   |            | 12      | 6         | 16.49                | 16.43   | 16.39   | 17.5    |
|   |            | 12      | 13        | 16.58                | 16.5    | 16.41   | 17.5    |
|   |            | 25      | 0         | 16.3                 | 16.51   | 16.53   | 17.5    |
|   | 16QAM      | 1       | 0         | 16.69                | 16.64   | 16.7    | 17.5    |
|   |            | 1       | 13        | 16.76                | 16.64   | 16.74   | 17.5    |
|   |            | 1       | 24        | 16.53                | 17.1    | 16.93   | 17.5    |
|   |            | 12      | 0         | 16.46                | 16.47   | 16.55   | 17.5    |
|   |            | 12      | 6         | 16.32                | 16.31   | 16.49   | 17.5    |
|   |            | 12      | 13        | 16.55                | 16.55   | 16.37   | 17.5    |
|   |            | 25      | 0         | 16.25                | 16.45   | 16.49   | 17.5    |
|   | 64QAM      | 1       | 0         | 16.57                | 16.65   | 16.7    | 17.5    |
|   |            | 1       | 13        | 16.23                | 16.3    | 16.31   | 17.5    |
|   |            | 1       | 24        | 16.84                | 16.76   | 16.73   | 17.5    |

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|           |            | 12      | 0         | 16.43   | 16.5    | 16.5    | 17.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 6         | 16.43   | 16.52   | 16.52   | 17.5    |
|           |            | 12      | 13        | 16.56   | 16.54   | 16.43   | 17.5    |
|           |            | 25      | 0         | 16.46   | 16.45   | 16.38   | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23780   | 23790   | 23800   |         |
| 10MHz     | QPSK       | 1       | 0         | 16.52   | 16.37   | 16.33   | 17.5    |
|           |            | 1       | 25        | 15.86   | 16.21   | 16.45   | 17.5    |
|           |            | 1       | 49        | 16.53   | 16.5    | 16.64   | 17.5    |
|           |            | 25      | 0         | 16.46   | 16.41   | 16.46   | 17.5    |
|           |            | 25      | 13        | 16.48   | 16.48   | 16.51   | 17.5    |
|           |            | 25      | 25        | 16.57   | 16.55   | 16.54   | 17.5    |
|           |            | 50      | 0         | 16.54   | 16.42   | 16.48   | 17.5    |
|           | 16QAM      | 1       | 0         | 16.84   | 16.74   | 16.4    | 17.5    |
|           |            | 1       | 25        | 16.94   | 16.67   | 16.93   | 17.5    |
|           |            | 1       | 49        | 16.66   | 16.77   | 16.44   | 17.5    |
|           |            | 25      | 0         | 16.23   | 16.34   | 16.44   | 17.5    |
|           |            | 25      | 13        | 16.47   | 16.3    | 16.4    | 17.5    |
|           |            | 25      | 25        | 16.56   | 16.48   | 16.49   | 17.5    |
|           |            | 50      | 0         | 16.41   | 16.56   | 16.49   | 17.5    |
|           | 64QAM      | 1       | 0         | 16.64   | 16.65   | 16.72   | 17.5    |
|           |            | 1       | 25        | 16.24   | 16.23   | 16.35   | 17.5    |
|           |            | 1       | 49        | 16.74   | 16.73   | 16.73   | 17.5    |
|           |            | 25      | 0         | 16.44   | 16.52   | 16.53   | 17.5    |
|           |            | 25      | 13        | 16.41   | 16.55   | 16.45   | 17.5    |
|           |            | 25      | 25        | 16.55   | 16.57   | 16.43   | 17.5    |
|           |            | 50      | 0         | 16.43   | 16.49   | 16.4    | 17.5    |

| LTE Band 17 Receiver on(Right head) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz   | QPSK       | 1       | 0         | 16.89                | 17.04   | 17.03   | 18      |
|  |            | 1       | 13        | 16.94                | 16.82   | 17.01   | 18      |
|  |            | 1       | 24        | 16.9                 | 17.01   | 17.03   | 18      |
|  |            | 12      | 0         | 16.97                | 16.95   | 17.06   | 18      |
|  |            | 12      | 6         | 17.16                | 17.05   | 17.04   | 18      |
|  |            | 12      | 13        | 16.96                | 17.02   | 17.02   | 18      |
|  |            | 25      | 0         | 16.83                | 17.03   | 17      | 18      |
|  | 16QAM      | 1       | 0         | 17.43                | 17.31   | 16.91   | 18      |
|  |            | 1       | 13        | 17.42                | 17.33   | 17.55   | 18      |
|  |            | 1       | 24        | 16.87                | 16.85   | 17.16   | 18      |
|  |            | 12      | 0         | 16.89                | 17.03   | 17.03   | 18      |
|  |            | 12      | 6         | 16.93                | 16.99   | 17.03   | 18      |
|  |            | 12      | 13        | 16.82                | 17.03   | 17.02   | 18      |

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|           | 64QAM      | 25      | 0         | 17.03   | 16.91   | 16.92   | 18      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 17.11   | 17.12   | 17.15   | 18      |
|           |            | 1       | 13        | 16.69   | 16.72   | 16.81   | 18      |
|           |            | 1       | 24        | 17.2    | 17.15   | 17.18   | 18      |
|           |            | 12      | 0         | 16.86   | 16.93   | 17.02   | 18      |
|           |            | 12      | 6         | 16.88   | 16.96   | 16.94   | 18      |
|           |            | 12      | 13        | 17.04   | 17.07   | 16.89   | 18      |
|           |            | 25      | 0         | 16.84   | 16.98   | 16.88   | 18      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 17.01   | 16.89   | 16.91   | 18      |
|           |            | 1       | 25        | 16.24   | 16.83   | 17.04   | 18      |
|           |            | 1       | 49        | 17.02   | 17.05   | 17.06   | 18      |
|           |            | 25      | 0         | 16.85   | 16.88   | 16.89   | 18      |
|           |            | 25      | 13        | 16.94   | 16.88   | 16.92   | 18      |
|           |            | 25      | 25        | 17.07   | 17.11   | 17.06   | 18      |
|           |            | 50      | 0         | 16.96   | 17.01   | 16.95   | 18      |
|           |            | 1       | 0         | 17.16   | 17.42   | 16.89   | 18      |
|           | 16QAM      | 1       | 25        | 17.24   | 16.59   | 17.19   | 18      |
|           |            | 1       | 49        | 17.21   | 17.47   | 17.2    | 18      |
|           |            | 25      | 0         | 16.9    | 16.87   | 16.96   | 18      |
|           |            | 25      | 13        | 16.95   | 16.9    | 16.93   | 18      |
|           |            | 25      | 25        | 16.82   | 16.88   | 17.01   | 18      |
|           |            | 50      | 0         | 16.96   | 16.92   | 16.86   | 18      |
|           |            | 1       | 0         | 17.12   | 17.12   | 17.13   | 18      |
|           |            | 1       | 25        | 16.68   | 16.65   | 16.82   | 18      |
|           | 64QAM      | 1       | 49        | 17.16   | 17.22   | 17.2    | 18      |
|           |            | 25      | 0         | 16.9    | 16.94   | 16.97   | 18      |
|           |            | 25      | 13        | 16.91   | 17.05   | 16.86   | 18      |
|           |            | 25      | 25        | 17.03   | 17.05   | 16.88   | 18      |
|           |            | 50      | 0         | 16.84   | 16.98   | 16.86   | 18      |

| LTE Band 17 Receiver on(Left head) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 5MHz  | QPSK       | 1       | 0         | 14.32                | 14.33   | 14.53   | 15.5    |
|   |            | 1       | 13        | 14.42                | 14.6    | 14.41   | 15.5    |
|   |            | 1       | 24        | 14.38                | 14.59   | 14.56   | 15.5    |
|   |            | 12      | 0         | 14.4                 | 14.45   | 14.51   | 15.5    |
|   |            | 12      | 6         | 14.46                | 14.45   | 14.38   | 15.5    |
|   |            | 12      | 13        | 14.43                | 14.52   | 14.49   | 15.5    |
|   |            | 25      | 0         | 14.35                | 14.42   | 14.51   | 15.5    |
|   |            | 1       | 0         | 14.74                | 14.78   | 14.33   | 15.5    |
|   | 16QAM      | 1       | 13        | 14.69                | 14.83   | 14.87   | 15.5    |

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|           |            | 1       | 24        | 14.75         | 14.29         | 15.13         | 15.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | 12      | 0         | 14.43         | 14.35         | 14.57         | 15.5    |
|           |            | 12      | 6         | 14.58         | 14.32         | 14.57         | 15.5    |
|           |            | 12      | 13        | 14.48         | 14.52         | 14.49         | 15.5    |
|           |            | 25      | 0         | 14.4          | 14.43         | 14.44         | 15.5    |
|           | 64QAM      | 1       | 0         | 14.31         | 14.26         | 14.34         | 15.5    |
|           |            | 1       | 13        | 14.15         | 14.12         | 14.31         | 15.5    |
|           |            | 1       | 24        | 14.34         | 14.41         | 14.45         | 15.5    |
|           |            | 12      | 0         | 14.37         | 14.37         | 14.41         | 15.5    |
|           |            | 12      | 6         | 14.37         | 14.46         | 14.31         | 15.5    |
|           |            | 12      | 13        | 14.49         | 14.55         | 14.3          | 15.5    |
|           |            | 25      | 0         | 14.33         | 14.44         | 14.35         | 15.5    |
|           |            |         |           |               |               |               |         |
|           |            |         |           |               |               |               |         |
|           |            |         |           |               |               |               |         |
|           |            |         |           |               |               |               |         |
|           |            |         |           |               |               |               |         |
|           |            |         |           |               |               |               |         |
|           |            |         |           |               |               |               |         |
| Bandwidth | Modulation | RB size | RB offset | Channel 23780 | Channel 23790 | Channel 23800 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 14.39         | 14.39         | 14.37         | 15.5    |
|           |            | 1       | 25        | 14.34         | 14.37         | 14.36         | 15.5    |
|           |            | 1       | 49        | 14.42         | 14.43         | 14.6          | 15.5    |
|           |            | 25      | 0         | 14.42         | 14.35         | 14.41         | 15.5    |
|           |            | 25      | 13        | 14.34         | 14.41         | 14.48         | 15.5    |
|           |            | 25      | 25        | 14.48         | 14.56         | 14.54         | 15.5    |
|           |            | 50      | 0         | 14.5          | 14.49         | 14.47         | 15.5    |
|           | 16QAM      | 1       | 0         | 14.93         | 14.74         | 14.21         | 15.5    |
|           |            | 1       | 25        | 14.71         | 14.64         | 14.98         | 15.5    |
|           |            | 1       | 49        | 14.21         | 14.59         | 15.08         | 15.5    |
|           |            | 25      | 0         | 14.41         | 14.24         | 14.33         | 15.5    |
|           |            | 25      | 13        | 14.5          | 14.24         | 14.36         | 15.5    |
|           |            | 25      | 25        | 14.47         | 14.54         | 14.42         | 15.5    |
|           |            | 50      | 0         | 14.3          | 14.43         | 14.38         | 15.5    |
|           | 64QAM      | 1       | 0         | 14.29         | 14.52         | 14.57         | 15.5    |
|           |            | 1       | 25        | 14.18         | 14.1          | 14.32         | 15.5    |
|           |            | 1       | 49        | 14.37         | 14.41         | 14.4          | 15.5    |
|           |            | 25      | 0         | 14.39         | 14.38         | 14.4          | 15.5    |
|           |            | 25      | 13        | 14.39         | 14.54         | 14.34         | 15.5    |
|           |            | 25      | 25        | 14.51         | 14.54         | 14.3          | 15.5    |
|           |            | 50      | 0         | 14.25         | 14.44         | 14.3          | 15.5    |

| LTE Band 17 Receiver on(Right head) + hotspot 5G |            |         |           | Conducted Power(dBm) |               |               |         |
|--|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel 23755        | Channel 23790 | Channel 23825 | Tune up |
| 5MHz   | QPSK       | 1       | 0         | 14.87                | 14.95         | 14.95         | 16      |
|  |            | 1       | 13        | 14.83                | 15.01         | 14.98         | 16      |
|  |            | 1       | 24        | 15.03                | 14.85         | 14.94         | 16      |
|  |            | 12      | 0         | 15.06                | 14.96         | 14.98         | 16      |
|  |            | 12      | 6         | 14.99                | 14.98         | 14.92         | 16      |

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|  |                  |                   |                |                  |                |                |                |
|--|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|
|  |                  | 12                | 13             | 14.97            | 15.05          | 15.03          | 16             |
|  |                  | 25                | 0              | 14.86            | 14.92          | 14.95          | 16             |
|  | 16QAM            | 1                 | 0              | 15.29            | 15.52          | 15.2           | 16             |
|  |                  | 1                 | 13             | 15.22            | 15.39          | 15.37          | 16             |
|  |                  | 1                 | 24             | 15.19            | 15.19          | 15.1           | 16             |
|  |                  | 12                | 0              | 15.02            | 14.95          | 14.82          | 16             |
|  |                  | 12                | 6              | 14.95            | 14.72          | 14.78          | 16             |
|  |                  | 12                | 13             | 14.92            | 14.85          | 15.08          | 16             |
|  |                  | 25                | 0              | 14.87            | 14.88          | 14.97          | 16             |
|  | 64QAM            | 1                 | 0              | 14.72            | 14.73          | 14.82          | 16             |
|  |                  | 1                 | 13             | 14.64            | 14.6           | 14.74          | 16             |
|  |                  | 1                 | 24             | 14.79            | 14.84          | 14.87          | 16             |
|  |                  | 12                | 0              | 14.83            | 14.86          | 14.86          | 16             |
|  |                  | 12                | 6              | 14.84            | 14.87          | 14.76          | 16             |
|  |                  | 12                | 13             | 14.93            | 15.03          | 14.77          | 16             |
|  |                  | 25                | 0              | 14.77            | 14.86          | 14.83          | 16             |
|  | <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> |
|  |                  |                   |                |                  | 23780          | 23790          | 23800          |
|  | <b>10MHz</b>     | QPSK              | 1              | 0                | 14.75          | 14.84          | 14.87          |
|  |                  |                   | 1              | 25               | 14.39          | 14.84          | 14.13          |
|  |                  |                   | 1              | 49               | 15.03          | 15.11          | 15.21          |
|  |                  |                   | 25             | 0                | 14.89          | 14.87          | 14.99          |
|  |                  |                   | 25             | 13               | 14.94          | 15.03          | 14.94          |
|  |                  |                   | 25             | 25               | 15.08          | 15.06          | 15.07          |
|  |                  |                   | 50             | 0                | 15             | 15             | 14.96          |
|  |                  | 16QAM             | 1              | 0                | 15.04          | 15.32          | 15.12          |
|  |                  |                   | 1              | 25               | 15.01          | 14.42          | 14.5           |
|  |                  |                   | 1              | 49               | 15.4           | 15.6           | 15.58          |
|  |                  |                   | 25             | 0                | 14.79          | 14.88          | 14.79          |
|  |                  |                   | 25             | 13               | 14.73          | 14.89          | 14.98          |
|  |                  |                   | 25             | 25               | 14.94          | 14.99          | 14.98          |
|  |                  |                   | 50             | 0                | 14.9           | 14.89          | 14.74          |
|  |                  | 64QAM             | 1              | 0                | 14.72          | 14.67          | 14.78          |
|  |                  |                   | 1              | 25               | 14.55          | 14.53          | 14.79          |
|  |                  |                   | 1              | 49               | 14.8           | 14.85          | 14.86          |
|  |                  |                   | 25             | 0                | 14.85          | 14.86          | 14.85          |
|  |                  |                   | 25             | 13               | 14.83          | 14.92          | 14.76          |
|  |                  |                   | 25             | 25               | 14.9           | 15.02          | 14.74          |
|  |                  |                   | 50             | 0                | 14.77          | 14.92          | 14.77          |
|  |                  |                   |                |                  |                |                | <b>Tune up</b> |

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| LTE Band 17 Receiver on(Left head) + BT |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel 23755        | Channel 23790 | Channel 23825 | Tune up |
| 5MHz                                    | QPSK       | 1       | 0         | 17.4                 | 17.37         | 17.47         | 18.5    |
|   |            | 1       | 13        | 17.51                | 17.4          | 17.45         | 18.5    |
|   |            | 1       | 24        | 17.43                | 17.4          | 17.47         | 18.5    |
|   |            | 12      | 0         | 17.46                | 17.48         | 17.54         | 18.5    |
|   |            | 12      | 6         | 17.48                | 17.46         | 17.41         | 18.5    |
|   |            | 12      | 13        | 17.46                | 17.52         | 17.6          | 18.5    |
|   |            | 25      | 0         | 17.42                | 17.46         | 17.54         | 18.5    |
|   | 16QAM      | 1       | 0         | 17.14                | 17.39         | 17.73         | 18.5    |
|   |            | 1       | 13        | 17.67                | 17.97         | 17.86         | 18.5    |
|   |            | 1       | 24        | 17.31                | 17.77         | 18.12         | 18.5    |
|   |            | 12      | 0         | 17.48                | 17.35         | 17.4          | 18.5    |
|   |            | 12      | 6         | 17.44                | 17.32         | 17.42         | 18.5    |
|   |            | 12      | 13        | 17.43                | 17.62         | 17.53         | 18.5    |
|   |            | 25      | 0         | 17.53                | 17.45         | 17.37         | 18.5    |
|   | 64QAM      | 1       | 0         | 17.12                | 17.22         | 17.23         | 18.5    |
|   |            | 1       | 13        | 17.1                 | 17.02         | 17.1          | 18.5    |
|   |            | 1       | 24        | 17.22                | 17.25         | 17.27         | 18.5    |
|   |            | 12      | 0         | 17.2                 | 17.24         | 17.28         | 18.5    |
|   |            | 12      | 6         | 17.23                | 17.28         | 17.16         | 18.5    |
|   |            | 12      | 13        | 17.4                 | 17.49         | 17.22         | 18.5    |
|   |            | 25      | 0         | 17.19                | 17.31         | 17.24         | 18.5    |
| Bandwidth                               | Modulation | RB size | RB offset | Channel 23780        | Channel 23790 | Channel 23800 | Tune up |
| 10MHz                                   | QPSK       | 1       | 0         | 17.41                | 17.36         | 17.28         | 18.5    |
|   |            | 1       | 25        | 17.15                | 16.76         | 17.51         | 18.5    |
|   |            | 1       | 49        | 17.58                | 17.39         | 17.58         | 18.5    |
|   |            | 25      | 0         | 17.33                | 17.43         | 17.48         | 18.5    |
|   |            | 25      | 13        | 17.45                | 17.47         | 17.5          | 18.5    |
|   |            | 25      | 25        | 17.5                 | 17.49         | 17.49         | 18.5    |
|   |            | 50      | 0         | 17.45                | 17.56         | 17.55         | 18.5    |
|   | 16QAM      | 1       | 0         | 17.76                | 17.76         | 17.76         | 18.5    |
|   |            | 1       | 25        | 18.17                | 17.09         | 17.45         | 18.5    |
|   |            | 1       | 49        | 17.91                | 17.54         | 17.42         | 18.5    |
|   |            | 25      | 0         | 17.27                | 17.4          | 17.44         | 18.5    |
|   |            | 25      | 13        | 17.43                | 17.38         | 17.4          | 18.5    |
|   |            | 25      | 25        | 17.47                | 17.51         | 17.58         | 18.5    |
|   |            | 50      | 0         | 17.5                 | 17.36         | 17.4          | 18.5    |
|   | 64QAM      | 1       | 0         | 17.15                | 17.22         | 17.22         | 18.5    |
|   |            | 1       | 25        | 17.12                | 16.99         | 17.21         | 18.5    |
|   |            | 1       | 49        | 17.17                | 17.26         | 17.3          | 18.5    |
|   |            | 25      | 0         | 17.3                 | 17.23         | 17.25         | 18.5    |
|   |            | 25      | 13        | 17.25                | 17.35         | 17.19         | 18.5    |
|   |            | 25      | 25        | 17.33                | 17.41         | 17.15         | 18.5    |

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|  |  |    |   |      |       |       |      |
|--|--|----|---|------|-------|-------|------|
|  |  | 50 | 0 | 17.2 | 17.36 | 17.28 | 18.5 |
|--|--|----|---|------|-------|-------|------|

| LTE Band 17 Receiver on(Right head) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz                                     | QPSK       | 1       | 0         | 17.89                | 17.82   | 18.05   | 19      |
|  |            | 1       | 13        | 18.02                | 17.85   | 17.96   | 19      |
|  |            | 1       | 24        | 17.84                | 18.06   | 17.97   | 19      |
|  |            | 12      | 0         | 17.99                | 18.01   | 18.03   | 19      |
|  |            | 12      | 6         | 17.96                | 17.98   | 18.06   | 19      |
|  |            | 12      | 13        | 17.92                | 18.05   | 18.03   | 19      |
|  |            | 25      | 0         | 17.9                 | 17.95   | 17.94   | 19      |
|  | 16QAM      | 1       | 0         | 18.62                | 18.24   | 17.79   | 19      |
|  |            | 1       | 13        | 18.79                | 18.16   | 18.4    | 19      |
|  |            | 1       | 24        | 18.23                | 17.88   | 18.42   | 19      |
|  |            | 12      | 0         | 17.89                | 17.89   | 17.97   | 19      |
|  |            | 12      | 6         | 17.84                | 17.91   | 17.98   | 19      |
|  |            | 12      | 13        | 17.91                | 17.96   | 17.98   | 19      |
|  |            | 25      | 0         | 18.04                | 17.88   | 18.14   | 19      |
|  | 64QAM      | 1       | 0         | 17.65                | 17.62   | 17.71   | 19      |
|  |            | 1       | 13        | 17.58                | 17.4    | 17.6    | 19      |
|  |            | 1       | 24        | 17.64                | 17.74   | 17.78   | 19      |
|  |            | 12      | 0         | 17.7                 | 17.62   | 17.67   | 19      |
|  |            | 12      | 6         | 17.71                | 17.77   | 17.59   | 19      |
|  |            | 12      | 13        | 17.74                | 17.83   | 17.61   | 19      |
|  |            | 25      | 0         | 17.66                | 17.8    | 17.74   | 19      |
| Bandwidth                                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23780                | 23790   | 23800   |         |
| 10MHz                                    | QPSK       | 1       | 0         | 17.91                | 17.91   | 17.87   | 19      |
|  |            | 1       | 25        | 17.61                | 17.46   | 17.49   | 19      |
|  |            | 1       | 49        | 17.96                | 17.97   | 18.16   | 19      |
|  |            | 25      | 0         | 17.93                | 17.89   | 17.95   | 19      |
|  |            | 25      | 13        | 18.13                | 17.96   | 18.05   | 19      |
|  |            | 25      | 25        | 17.96                | 17.99   | 17.97   | 19      |
|  |            | 50      | 0         | 18.03                | 17.93   | 18.04   | 19      |
|  | 16QAM      | 1       | 0         | 18.18                | 18.42   | 17.72   | 19      |
|  |            | 1       | 25        | 17.95                | 18.19   | 17.14   | 19      |
|  |            | 1       | 49        | 17.8                 | 18.53   | 18.55   | 19      |
|  |            | 25      | 0         | 17.89                | 17.83   | 17.8    | 19      |
|  |            | 25      | 13        | 17.81                | 17.79   | 17.88   | 19      |
|  |            | 25      | 25        | 18.13                | 17.96   | 17.92   | 19      |
|  |            | 50      | 0         | 17.82                | 18.05   | 17.87   | 19      |
|  | 64QAM      | 1       | 0         | 17.62                | 17.69   | 17.7    | 19      |
|  |            | 1       | 25        | 17.54                | 17.44   | 17.68   | 19      |
|  |            | 1       | 49        | 17.62                | 17.66   | 17.8    | 19      |

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|  |  |    |    |       |       |       |    |
|--|--|----|----|-------|-------|-------|----|
|  |  | 25 | 0  | 17.74 | 17.65 | 17.66 | 19 |
|  |  | 25 | 13 | 17.71 | 17.83 | 17.68 | 19 |
|  |  | 25 | 25 | 17.72 | 17.86 | 17.57 | 19 |
|  |  | 50 | 0  | 17.63 | 17.84 | 17.71 | 19 |

| LTE Band 17 Receiver off (body or limbs) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                     | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz  | QPSK       | 1       | 0         | 20.87                | 20.79   | 20.93   | 22      |
|   |            | 1       | 13        | 21.02                | 21.03   | 21.02   | 22      |
|   |            | 1       | 24        | 20.99                | 20.83   | 20.96   | 22      |
|   |            | 12      | 0         | 20.99                | 20.98   | 21.01   | 22      |
|   |            | 12      | 6         | 21.07                | 21.09   | 20.94   | 22      |
|   |            | 12      | 13        | 21.06                | 21.1    | 20.97   | 22      |
|   |            | 25      | 0         | 20.84                | 20.99   | 20.98   | 22      |
|   | 16QAM      | 1       | 0         | 21.35                | 20.89   | 21.13   | 22      |
|   |            | 1       | 13        | 21.29                | 21.4    | 21.49   | 22      |
|   |            | 1       | 24        | 21.29                | 21.02   | 21.39   | 22      |
|   |            | 12      | 0         | 21                   | 20.94   | 20.92   | 22      |
|   |            | 12      | 6         | 21.01                | 20.93   | 20.73   | 22      |
|   |            | 12      | 13        | 20.98                | 21.09   | 20.97   | 22      |
|   |            | 25      | 0         | 20.92                | 20.81   | 20.84   | 22      |
|   | 64QAM      | 1       | 0         | 20.58                | 20.61   | 20.59   | 22      |
|   |            | 1       | 13        | 20.51                | 20.43   | 20.63   | 22      |
|   |            | 1       | 24        | 20.61                | 20.58   | 20.76   | 22      |
|   |            | 12      | 0         | 20.66                | 20.54   | 20.64   | 22      |
|   |            | 12      | 6         | 20.6                 | 20.72   | 20.58   | 22      |
|   |            | 12      | 13        | 20.66                | 20.86   | 20.5    | 22      |
|   |            | 25      | 0         | 20.55                | 20.78   | 20.61   | 22      |
| Bandwidth                                     | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 23780                | 23790   | 23800   |         |
| 10MHz   | QPSK       | 1       | 0         | 21.01                | 20.9    | 21      | 22      |
|   |            | 1       | 25        | 20.86                | 20.76   | 21.2    | 22      |
|   |            | 1       | 49        | 20.99                | 21      | 21.15   | 22      |
|   |            | 25      | 0         | 21.01                | 21.05   | 20.99   | 22      |
|   |            | 25      | 13        | 21.02                | 21.1    | 20.96   | 22      |
|   |            | 25      | 25        | 21.02                | 21.07   | 21      | 22      |
|   |            | 50      | 0         | 21.03                | 21.06   | 21.04   | 22      |
|   | 16QAM      | 1       | 0         | 21.07                | 21.22   | 20.86   | 22      |
|   |            | 1       | 25        | 20.73                | 21.29   | 20.99   | 22      |
|   |            | 1       | 49        | 21.28                | 21.21   | 21.58   | 22      |
|   |            | 25      | 0         | 21.04                | 20.84   | 21.01   | 22      |
|   |            | 25      | 13        | 20.92                | 20.91   | 20.88   | 22      |
|   |            | 25      | 25        | 21.04                | 21.01   | 21.06   | 22      |

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|  |  |    |    |       |       |       |    |
|--|--|----|----|-------|-------|-------|----|
|  |  | 50 | 0  | 20.97 | 21.03 | 20.92 | 22 |
|  |  | 1  | 0  | 20.61 | 20.57 | 20.61 | 22 |
|  |  | 1  | 25 | 20.43 | 20.38 | 20.65 | 22 |
|  |  | 1  | 49 | 20.62 | 20.61 | 20.71 | 22 |
|  |  | 25 | 0  | 20.71 | 20.61 | 20.65 | 22 |
|  |  | 25 | 13 | 20.62 | 20.73 | 20.64 | 22 |
|  |  | 25 | 25 | 20.67 | 20.77 | 20.53 | 22 |
|  |  | 50 | 0  | 20.6  | 20.73 | 20.7  | 22 |

| LTE Band 17 Receiver on(Left head) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |               |               |         |
|--|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel 23755        | Channel 23790 | Channel 23825 | Tune up |
| 5MHz   | QPSK       | 1       | 0         | 16.33                | 16.46         | 16.5          | 17.5    |
|  |            | 1       | 13        | 16.39                | 16.49         | 16.38         | 17.5    |
|  |            | 1       | 24        | 16.34                | 16.63         | 16.64         | 17.5    |
|  |            | 12      | 0         | 16.52                | 16.47         | 16.54         | 17.5    |
|  |            | 12      | 6         | 16.56                | 16.32         | 16.52         | 17.5    |
|  |            | 12      | 13        | 16.49                | 16.51         | 16.54         | 17.5    |
|  |            | 25      | 0         | 16.46                | 16.44         | 16.58         | 17.5    |
|  | 16QAM      | 1       | 0         | 16.82                | 16.81         | 16.78         | 17.5    |
|  |            | 1       | 13        | 16.72                | 16.97         | 17.02         | 17.5    |
|  |            | 1       | 24        | 16.84                | 16.93         | 16.82         | 17.5    |
|  |            | 12      | 0         | 16.42                | 16.39         | 16.65         | 17.5    |
|  |            | 12      | 6         | 16.44                | 16.48         | 16.28         | 17.5    |
|  |            | 12      | 13        | 16.44                | 16.47         | 16.56         | 17.5    |
|  |            | 25      | 0         | 16.3                 | 16.56         | 16.48         | 17.5    |
|  | 64QAM      | 1       | 0         | 16.28                | 16.21         | 16.35         | 17.5    |
|  |            | 1       | 13        | 15.67                | 16.44         | 15.79         | 17.5    |
|  |            | 1       | 24        | 16.24                | 16.38         | 16.35         | 17.5    |
|  |            | 12      | 0         | 16.39                | 16.36         | 16.14         | 17.5    |
|  |            | 12      | 6         | 16.25                | 16.15         | 16.41         | 17.5    |
|  |            | 12      | 13        | 16.31                | 16.4          | 16.46         | 17.5    |
|  |            | 25      | 0         | 16.42                | 16.37         | 16.35         | 17.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel 23780        | Channel 23790 | Channel 23800 | Tune up |
| 10MHz  | QPSK       | 1       | 0         | 16.34                | 16.27         | 16.38         | 17.5    |
|  |            | 1       | 25        | 15.87                | 16.65         | 16.01         | 17.5    |
|  |            | 1       | 49        | 16.45                | 16.59         | 16.48         | 17.5    |
|  |            | 25      | 0         | 16.47                | 16.42         | 16.38         | 17.5    |
|  |            | 25      | 13        | 16.37                | 16.29         | 16.52         | 17.5    |
|  |            | 25      | 25        | 16.47                | 16.56         | 16.46         | 17.5    |
|  |            | 50      | 0         | 16.44                | 16.44         | 16.48         | 17.5    |
|  | 16QAM      | 1       | 0         | 16.84                | 16.63         | 16.69         | 17.5    |
|  |            | 1       | 25        | 16.95                | 16.2          | 16.38         | 17.5    |

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|  |       |    |    |       |       |       |      |
|--|-------|----|----|-------|-------|-------|------|
|  |       | 1  | 49 | 17.03 | 17.17 | 16.9  | 17.5 |
|  |       | 25 | 0  | 16.42 | 16.39 | 16.2  | 17.5 |
|  |       | 25 | 13 | 16.48 | 16.28 | 16.46 | 17.5 |
|  |       | 25 | 25 | 16.6  | 16.51 | 16.46 | 17.5 |
|  |       | 50 | 0  | 16.43 | 16.42 | 16.37 | 17.5 |
|  | 64QAM | 1  | 0  | 16.22 | 16.07 | 16.31 | 17.5 |
|  |       | 1  | 25 | 15.79 | 16.63 | 15.93 | 17.5 |
|  |       | 1  | 49 | 16.42 | 16.5  | 16.37 | 17.5 |
|  |       | 25 | 0  | 16.43 | 16.18 | 16.13 | 17.5 |
|  |       | 25 | 13 | 16.29 | 16.27 | 16.41 | 17.5 |
|  |       | 25 | 25 | 16.4  | 16.35 | 16.32 | 17.5 |
|  |       | 50 | 0  | 16.39 | 16.35 | 16.31 | 17.5 |

| LTE Band 17 Receiver on(Right head) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel 23755        | Channel 23790 | Channel 23825 | Tune up |
| 5MHz  | QPSK       | 1       | 0         | 16.87                | 16.79         | 17            | 18      |
|   |            | 1       | 13        | 16.97                | 16.91         | 16.99         | 18      |
|   |            | 1       | 24        | 17.04                | 17.03         | 17.26         | 18      |
|   |            | 12      | 0         | 16.89                | 16.99         | 16.98         | 18      |
|   |            | 12      | 6         | 17.07                | 16.9          | 17            | 18      |
|   |            | 12      | 13        | 17                   | 17.1          | 17.12         | 18      |
|   |            | 25      | 0         | 16.98                | 17.03         | 17.04         | 18      |
|   | 16QAM      | 1       | 0         | 17.05                | 17.38         | 17.31         | 18      |
|   |            | 1       | 13        | 17.39                | 16.59         | 17.46         | 18      |
|   |            | 1       | 24        | 17.54                | 17.38         | 17.46         | 18      |
|   |            | 12      | 0         | 16.94                | 16.92         | 17.05         | 18      |
|   |            | 12      | 6         | 16.79                | 16.91         | 16.94         | 18      |
|   |            | 12      | 13        | 16.94                | 16.95         | 17.06         | 18      |
|   |            | 25      | 0         | 16.8                 | 16.97         | 16.98         | 18      |
|   | 64QAM      | 1       | 0         | 16.65                | 16.52         | 16.71         | 18      |
|   |            | 1       | 13        | 16.24                | 17.07         | 16.36         | 18      |
|   |            | 1       | 24        | 16.87                | 16.92         | 16.79         | 18      |
|   |            | 12      | 0         | 16.92                | 16.66         | 16.61         | 18      |
|   |            | 12      | 6         | 16.73                | 16.75         | 16.88         | 18      |
|   |            | 12      | 13        | 16.87                | 16.77         | 16.76         | 18      |
|   |            | 25      | 0         | 16.85                | 16.81         | 16.73         | 18      |
| Bandwidth   | Modulation | RB size | RB offset | Channel 23780        | Channel 23790 | Channel 23800 | Tune up |
| 10MHz   | QPSK       | 1       | 0         | 16.78                | 16.92         | 17.05         | 18      |
|   |            | 1       | 25        | 16.62                | 17.26         | 16.45         | 18      |
|   |            | 1       | 49        | 16.96                | 17.1          | 17.06         | 18      |
|   |            | 25      | 0         | 16.97                | 16.86         | 16.77         | 18      |
|   |            | 25      | 13        | 17.05                | 17.04         | 16.96         | 18      |

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|  |       |    |    |       |       |       |    |
|--|-------|----|----|-------|-------|-------|----|
|  |       | 25 | 25 | 17.02 | 17.15 | 17.13 | 18 |
|  |       | 50 | 0  | 16.95 | 17    | 17.01 | 18 |
|  | 16QAM | 1  | 0  | 17.24 | 17.07 | 17.29 | 18 |
|  |       | 1  | 25 | 17.81 | 16.97 | 17.3  | 18 |
|  |       | 1  | 49 | 17.46 | 17.3  | 17.04 | 18 |
|  |       | 25 | 0  | 16.88 | 16.77 | 16.71 | 18 |
|  |       | 25 | 13 | 16.83 | 16.86 | 16.91 | 18 |
|  |       | 25 | 25 | 16.85 | 16.93 | 17.09 | 18 |
|  |       | 50 | 0  | 16.84 | 16.82 | 16.98 | 18 |
|  | 64QAM | 1  | 0  | 16.7  | 16.54 | 16.79 | 18 |
|  |       | 1  | 25 | 16.19 | 17.09 | 16.4  | 18 |
|  |       | 1  | 49 | 16.89 | 16.93 | 16.81 | 18 |
|  |       | 25 | 0  | 16.9  | 16.65 | 16.6  | 18 |
|  |       | 25 | 13 | 16.71 | 16.73 | 16.87 | 18 |
|  |       | 25 | 25 | 16.86 | 16.85 | 16.77 | 18 |
|  |       | 50 | 0  | 16.84 | 16.83 | 16.74 | 18 |

| LTE Band 17 Receiver off (body or limbs) + WiFi2.4G Ant1 |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz   | QPSK       | 1       | 0         | 19.98                | 19.95   | 19.9    | 21      |
|  |            | 1       | 13        | 20.04                | 20      | 19.93   | 21      |
|  |            | 1       | 24        | 19.88                | 19.92   | 20      | 21      |
|  |            | 12      | 0         | 19.97                | 19.89   | 20.01   | 21      |
|  |            | 12      | 6         | 20.06                | 19.84   | 19.96   | 21      |
|  |            | 12      | 13        | 20.03                | 20.12   | 20.02   | 21      |
|  |            | 25      | 0         | 19.92                | 19.96   | 20.06   | 21      |
|  | 16QAM      | 1       | 0         | 20.09                | 20.43   | 20.01   | 21      |
|  |            | 1       | 13        | 20.17                | 20.37   | 20.38   | 21      |
|  |            | 1       | 24        | 20.25                | 20.37   | 20.6    | 21      |
|  |            | 12      | 0         | 20                   | 19.99   | 20.02   | 21      |
|  |            | 12      | 6         | 19.97                | 19.93   | 19.98   | 21      |
|  |            | 12      | 13        | 19.9                 | 19.9    | 20.05   | 21      |
|  |            | 25      | 0         | 19.9                 | 19.9    | 19.97   | 21      |
|  | 64QAM      | 1       | 0         | 19.7                 | 19.49   | 19.76   | 21      |
|  |            | 1       | 13        | 19.14                | 19.98   | 19.33   | 21      |
|  |            | 1       | 24        | 19.8                 | 19.84   | 19.71   | 21      |
|  |            | 12      | 0         | 19.8                 | 19.55   | 19.51   | 21      |
|  |            | 12      | 6         | 19.69                | 19.61   | 19.79   | 21      |
|  |            | 12      | 13        | 19.78                | 19.75   | 19.68   | 21      |
|  |            | 25      | 0         | 19.81                | 19.72   | 19.7    | 21      |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23780                | 23790   | 23800   |         |
| 10MHz  | QPSK       | 1       | 0         | 19.95                | 19.91   | 19.93   | 21      |

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|  |       |    |    |       |       |       |    |
|--|-------|----|----|-------|-------|-------|----|
|  |       | 1  | 25 | 19.64 | 19.37 | 19.72 | 21 |
|  |       | 1  | 49 | 19.91 | 19.96 | 20.07 | 21 |
|  |       | 25 | 0  | 19.94 | 20    | 19.88 | 21 |
|  |       | 25 | 13 | 19.95 | 19.79 | 19.94 | 21 |
|  |       | 25 | 25 | 20.06 | 20.01 | 19.97 | 21 |
|  |       | 50 | 0  | 19.96 | 19.99 | 19.95 | 21 |
|  |       | 1  | 0  | 20.57 | 20.17 | 20.08 | 21 |
|  | 16QAM | 1  | 25 | 19.66 | 19.37 | 19.6  | 21 |
|  |       | 1  | 49 | 20.41 | 20.18 | 20.43 | 21 |
|  |       | 25 | 0  | 19.8  | 19.85 | 19.9  | 21 |
|  |       | 25 | 13 | 19.85 | 19.93 | 19.91 | 21 |
|  |       | 25 | 25 | 19.98 | 20.05 | 20.05 | 21 |
|  |       | 50 | 0  | 19.91 | 19.96 | 20.01 | 21 |
|  |       | 1  | 0  | 19.68 | 19.47 | 19.7  | 21 |
|  | 64QAM | 1  | 25 | 19.1  | 20.08 | 19.4  | 21 |
|  |       | 1  | 49 | 19.78 | 19.89 | 19.77 | 21 |
|  |       | 25 | 0  | 19.83 | 19.56 | 19.57 | 21 |
|  |       | 25 | 13 | 19.65 | 19.69 | 19.86 | 21 |
|  |       | 25 | 25 | 19.78 | 19.77 | 19.77 | 21 |
|  |       | 50 | 0  | 19.8  | 19.8  | 19.67 | 21 |

| LTE Band 17 Receiver on(Left head) + WiFi5G<br>Ant1/Ant2/MIMO |            |            |              | Conducted Power(dBm) |         |         |         |
|---|------------|------------|--------------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB<br>size | RB<br>offset | Channel              | Channel | Channel | Tune up |
|   |            |            |              | 23755                | 23790   | 23825   |         |
| 5MHz  | QPSK       | 1          | 0            | 14.33                | 14.36   | 14.45   | 15.5    |
|   |            | 1          | 13           | 14.25                | 14.38   | 14.53   | 15.5    |
|   |            | 1          | 24           | 14.4                 | 14.55   | 14.68   | 15.5    |
|   |            | 12         | 0            | 14.45                | 14.49   | 14.49   | 15.5    |
|   |            | 12         | 6            | 14.42                | 14.51   | 14.39   | 15.5    |
|   |            | 12         | 13           | 14.53                | 14.54   | 14.48   | 15.5    |
|   |            | 25         | 0            | 14.4                 | 14.4    | 14.47   | 15.5    |
|   | 16QAM      | 1          | 0            | 14.79                | 14.55   | 14.86   | 15.5    |
|   |            | 1          | 13           | 14.82                | 14.65   | 14.99   | 15.5    |
|   |            | 1          | 24           | 14.11                | 14.2    | 15.07   | 15.5    |
|   |            | 12         | 0            | 14.51                | 14.32   | 14.58   | 15.5    |
|   |            | 12         | 6            | 14.4                 | 14.16   | 14.48   | 15.5    |
|   |            | 12         | 13           | 14.42                | 14.45   | 14.65   | 15.5    |
|   |            | 25         | 0            | 14.32                | 14.28   | 14.38   | 15.5    |
|   | 64QAM      | 1          | 0            | 14.38                | 14.19   | 14.46   | 15.5    |
|   |            | 1          | 13           | 13.82                | 14.85   | 14.14   | 15.5    |
|   |            | 1          | 24           | 14.56                | 14.64   | 14.56   | 15.5    |
|   |            | 12         | 0            | 14.59                | 14.27   | 14.37   | 15.5    |
|   |            | 12         | 6            | 14.41                | 14.39   | 14.6    | 15.5    |
|   |            | 12         | 13           | 14.46                | 14.49   | 14.45   | 15.5    |

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| Bandwidth | Modulation | 25      | 0         | 14.52         | 14.54         | 14.37         | 15.5    |
|-----------|------------|---------|-----------|---------------|---------------|---------------|---------|
|           |            | RB size | RB offset | Channel 23780 | Channel 23790 | Channel 23800 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 14.51         | 14.54         | 14.61         | 15.5    |
|           |            | 1       | 25        | 14.5          | 14.07         | 14.46         | 15.5    |
|           |            | 1       | 49        | 14.43         | 14.32         | 14.31         | 15.5    |
|           |            | 25      | 0         | 14.32         | 14.36         | 14.34         | 15.5    |
|           |            | 25      | 13        | 14.34         | 14.61         | 14.4          | 15.5    |
|           |            | 25      | 25        | 14.45         | 14.54         | 14.42         | 15.5    |
|           |            | 50      | 0         | 14.44         | 14.5          | 14.49         | 15.5    |
|           | 16QAM      | 1       | 0         | 14.55         | 14.03         | 14.63         | 15.5    |
|           |            | 1       | 25        | 14.07         | 14.38         | 14.15         | 15.5    |
|           |            | 1       | 49        | 14.99         | 14.9          | 15.1          | 15.5    |
|           |            | 25      | 0         | 14.44         | 14.33         | 14.26         | 15.5    |
|           |            | 25      | 13        | 14.41         | 14.36         | 14.44         | 15.5    |
|           |            | 25      | 25        | 14.57         | 14.43         | 14.58         | 15.5    |
|           |            | 50      | 0         | 14.35         | 14.41         | 14.45         | 15.5    |
|           | 64QAM      | 1       | 0         | 14.38         | 14.19         | 14.38         | 15.5    |
|           |            | 1       | 25        | 13.9          | 14.77         | 14.14         | 15.5    |
|           |            | 1       | 49        | 14.55         | 14.66         | 14.5          | 15.5    |
|           |            | 25      | 0         | 14.52         | 14.33         | 14.36         | 15.5    |
|           |            | 25      | 13        | 14.41         | 14.44         | 14.6          | 15.5    |
|           |            | 25      | 25        | 14.52         | 14.49         | 14.55         | 15.5    |
|           |            | 50      | 0         | 14.57         | 14.56         | 14.45         | 15.5    |

| LTE Band 17 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz  | QPSK       | 1       | 0         | 14.82                | 14.74   | 14.84   | 16      |
|   |            | 1       | 13        | 15.07                | 14.93   | 15.22   | 16      |
|   |            | 1       | 24        | 15.01                | 15.01   | 15.1    | 16      |
|   |            | 12      | 0         | 14.87                | 14.96   | 15.13   | 16      |
|   |            | 12      | 6         | 15.02                | 15.01   | 15.04   | 16      |
|   |            | 12      | 13        | 14.94                | 15.1    | 15.09   | 16      |
|   |            | 25      | 0         | 14.91                | 14.9    | 15.07   | 16      |
|   | 16QAM      | 1       | 0         | 15.23                | 14.93   | 14.88   | 16      |
|   |            | 1       | 13        | 15.43                | 15.14   | 15.02   | 16      |
|   |            | 1       | 24        | 15.21                | 15.41   | 15.32   | 16      |
|   |            | 12      | 0         | 14.88                | 15.05   | 15.09   | 16      |
|   |            | 12      | 6         | 15.05                | 15.09   | 14.97   | 16      |
|   |            | 12      | 13        | 14.83                | 14.95   | 15.04   | 16      |
|   |            | 25      | 0         | 14.67                | 14.88   | 14.84   | 16      |
|   | 64QAM      | 1       | 0         | 14.77                | 14.58   | 14.83   | 16      |
|   |            | 1       | 13        | 14.3                 | 15.16   | 14.6    | 16      |

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|           |            | 1       | 24        | 14.96            | 15.09            | 14.98            | 16      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 12      | 0         | 14.93            | 14.74            | 14.84            | 16      |
|           |            | 12      | 6         | 14.8             | 14.86            | 15.01            | 16      |
|           |            | 12      | 13        | 14.95            | 14.87            | 14.95            | 16      |
|           |            | 25      | 0         | 15.06            | 15.03            | 14.93            | 16      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>23780 | Channel<br>23790 | Channel<br>23800 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 15.04            | 15.07            | 15.05            | 16      |
|           |            | 1       | 25        | 14.87            | 14.14            | 14.98            | 16      |
|           |            | 1       | 49        | 14.73            | 14.73            | 14.8             | 16      |
|           |            | 25      | 0         | 14.91            | 14.91            | 14.93            | 16      |
|           |            | 25      | 13        | 15.02            | 14.94            | 15.07            | 16      |
|           |            | 25      | 25        | 15.03            | 15               | 15.03            | 16      |
|           |            | 50      | 0         | 14.85            | 15.04            | 15.05            | 16      |
|           | 16QAM      | 1       | 0         | 15.31            | 14.9             | 15.26            | 16      |
|           |            | 1       | 25        | 14.35            | 15.36            | 14.86            | 16      |
|           |            | 1       | 49        | 15.48            | 14.71            | 15.54            | 16      |
|           |            | 25      | 0         | 14.86            | 14.86            | 14.84            | 16      |
|           |            | 25      | 13        | 14.95            | 14.87            | 14.98            | 16      |
|           |            | 25      | 25        | 15.09            | 15.11            | 14.96            | 16      |
|           |            | 50      | 0         | 14.81            | 14.82            | 14.85            | 16      |
|           | 64QAM      | 1       | 0         | 14.82            | 14.61            | 14.86            | 16      |
|           |            | 1       | 25        | 14.33            | 15.25            | 14.54            | 16      |
|           |            | 1       | 49        | 14.96            | 15.04            | 14.94            | 16      |
|           |            | 25      | 0         | 14.9             | 14.74            | 14.77            | 16      |
|           |            | 25      | 13        | 14.87            | 14.85            | 15.08            | 16      |
|           |            | 25      | 25        | 14.96            | 14.96            | 15.03            | 16      |
|           |            | 50      | 0         | 14.95            | 14.95            | 14.86            | 16      |

| LTE Band 17 Receiver off (body or limbs) +<br>WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |                  |                  |         |
|---|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel<br>23755     | Channel<br>23790 | Channel<br>23825 | Tune up |
| 5MHz  | QPSK       | 1       | 0         | 17.95                | 17.95            | 17.85            | 19      |
|   |            | 1       | 13        | 17.86                | 17.93            | 18.23            | 19      |
|   |            | 1       | 24        | 17.91                | 17.97            | 18.11            | 19      |
|   |            | 12      | 0         | 18                   | 17.99            | 18.02            | 19      |
|   |            | 12      | 6         | 17.87                | 17.99            | 18.04            | 19      |
|   |            | 12      | 13        | 17.99                | 18.04            | 18               | 19      |
|   |            | 25      | 0         | 17.95                | 18.01            | 17.94            | 19      |
|   | 16QAM      | 1       | 0         | 17.6                 | 18.66            | 18.44            | 19      |
|   |            | 1       | 13        | 18.47                | 18.29            | 18.39            | 19      |
|   |            | 1       | 24        | 18.33                | 17.95            | 18.5             | 19      |
|   |            | 12      | 0         | 18.03                | 17.93            | 17.97            | 19      |
|   |            | 12      | 6         | 17.97                | 17.88            | 17.87            | 19      |

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|           | 64QAM      | 12      | 13        | 17.9    | 18.06   | 18      | 19      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 17.92   | 18.05   | 18.08   | 19      |
|           |            | 1       | 0         | 17.64   | 17.54   | 17.81   | 19      |
|           |            | 1       | 13        | 17.28   | 18.07   | 17.43   | 19      |
|           |            | 1       | 24        | 17.85   | 17.88   | 17.84   | 19      |
|           |            | 12      | 0         | 17.79   | 17.59   | 17.75   | 19      |
|           |            | 12      | 6         | 17.84   | 17.71   | 18.05   | 19      |
|           |            | 12      | 13        | 17.77   | 17.82   | 18.01   | 19      |
|           |            | 25      | 0         | 17.79   | 17.8    | 17.8    | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23780   | 23790   | 23800   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.82   | 17.88   | 17.84   | 19      |
|           |            | 1       | 25        | 17.94   | 18.09   | 18.05   | 19      |
|           |            | 1       | 49        | 17.86   | 17.99   | 18.11   | 19      |
|           |            | 25      | 0         | 17.89   | 17.95   | 17.93   | 19      |
|           |            | 25      | 13        | 17.86   | 17.91   | 17.9    | 19      |
|           |            | 25      | 25        | 18.08   | 18.11   | 18.09   | 19      |
|           |            | 50      | 0         | 17.89   | 18.04   | 18.03   | 19      |
|           | 16QAM      | 1       | 0         | 18.36   | 18.13   | 17.71   | 19      |
|           |            | 1       | 25        | 18.27   | 18.26   | 18.63   | 19      |
|           |            | 1       | 49        | 18.2    | 18.29   | 18.37   | 19      |
|           |            | 25      | 0         | 17.96   | 17.98   | 17.74   | 19      |
|           |            | 25      | 13        | 17.93   | 17.82   | 17.95   | 19      |
|           |            | 25      | 25        | 18.04   | 18.11   | 17.89   | 19      |
|           |            | 50      | 0         | 17.77   | 17.99   | 17.91   | 19      |
|           | 64QAM      | 1       | 0         | 17.63   | 17.54   | 17.83   | 19      |
|           |            | 1       | 25        | 17.26   | 18.11   | 17.37   | 19      |
|           |            | 1       | 49        | 17.79   | 17.93   | 17.84   | 19      |
|           |            | 25      | 0         | 17.72   | 17.57   | 17.64   | 19      |
|           |            | 25      | 13        | 17.78   | 17.78   | 17.96   | 19      |
|           |            | 25      | 25        | 17.9    | 17.87   | 17.97   | 19      |
|           |            | 50      | 0         | 17.93   | 17.9    | 17.8    | 19      |

| LTE Band 17 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz  | QPSK       | 1       | 0         | 14.33                | 14.36   | 14.45   | 15.5    |
|   |            | 1       | 13        | 14.25                | 14.38   | 14.53   | 15.5    |
|   |            | 1       | 24        | 14.4                 | 14.55   | 14.68   | 15.5    |
|   |            | 12      | 0         | 14.45                | 14.49   | 14.49   | 15.5    |
|   |            | 12      | 6         | 14.42                | 14.51   | 14.39   | 15.5    |
|   |            | 12      | 13        | 14.53                | 14.54   | 14.48   | 15.5    |
|   |            | 25      | 0         | 14.4                 | 14.4    | 14.47   | 15.5    |
|   | 16QAM      | 1       | 0         | 14.79                | 14.55   | 14.86   | 15.5    |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 1              | 13               | 14.82                | 14.65                | 14.99                | 15.5           |
|                  |                   | 1              | 24               | 14.11                | 14.2                 | 15.07                | 15.5           |
|                  |                   | 12             | 0                | 14.51                | 14.32                | 14.58                | 15.5           |
|                  |                   | 12             | 6                | 14.4                 | 14.16                | 14.48                | 15.5           |
|                  |                   | 12             | 13               | 14.42                | 14.45                | 14.65                | 15.5           |
|                  |                   | 25             | 0                | 14.32                | 14.28                | 14.38                | 15.5           |
|                  | 64QAM             | 1              | 0                | 14.38                | 14.19                | 14.46                | 15.5           |
|                  |                   | 1              | 13               | 13.82                | 14.85                | 14.14                | 15.5           |
|                  |                   | 1              | 24               | 14.56                | 14.64                | 14.56                | 15.5           |
|                  |                   | 12             | 0                | 14.59                | 14.27                | 14.37                | 15.5           |
|                  |                   | 12             | 6                | 14.41                | 14.39                | 14.6                 | 15.5           |
|                  |                   | 12             | 13               | 14.46                | 14.49                | 14.45                | 15.5           |
|                  |                   | 25             | 0                | 14.52                | 14.54                | 14.37                | 15.5           |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 23780</b> | <b>Channel 23790</b> | <b>Channel 23800</b> | <b>Tune up</b> |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 14.51                | 14.54                | <b>14.61</b>         | 15.5           |
|                  |                   | 1              | 25               | 14.5                 | 14.07                | 14.46                | 15.5           |
|                  |                   | 1              | 49               | 14.43                | 14.32                | 14.31                | 15.5           |
|                  |                   | 25             | 0                | 14.32                | 14.36                | 14.34                | 15.5           |
|                  |                   | 25             | 13               | 14.34                | 14.61                | 14.4                 | 15.5           |
|                  |                   | 25             | 25               | 14.45                | 14.54                | 14.42                | 15.5           |
|                  |                   | 50             | 0                | 14.44                | 14.5                 | 14.49                | 15.5           |
|                  | 16QAM             | 1              | 0                | 14.55                | 14.03                | 14.63                | 15.5           |
|                  |                   | 1              | 25               | 14.07                | 14.38                | 14.15                | 15.5           |
|                  |                   | 1              | 49               | 14.99                | 14.9                 | 15.1                 | 15.5           |
|                  |                   | 25             | 0                | 14.44                | 14.33                | 14.26                | 15.5           |
|                  |                   | 25             | 13               | 14.41                | 14.36                | 14.44                | 15.5           |
|                  |                   | 25             | 25               | 14.57                | 14.43                | 14.58                | 15.5           |
|                  |                   | 50             | 0                | 14.35                | 14.41                | 14.45                | 15.5           |
|                  | 64QAM             | 1              | 0                | 14.38                | 14.19                | 14.38                | 15.5           |
|                  |                   | 1              | 25               | 13.9                 | 14.77                | 14.14                | 15.5           |
|                  |                   | 1              | 49               | 14.55                | 14.66                | 14.5                 | 15.5           |
|                  |                   | 25             | 0                | 14.52                | 14.33                | 14.36                | 15.5           |
|                  |                   | 25             | 13               | 14.41                | 14.44                | 14.6                 | 15.5           |
|                  |                   | 25             | 25               | 14.52                | 14.49                | 14.55                | 15.5           |
|                  |                   | 50             | 0                | 14.57                | 14.56                | 14.45                | 15.5           |

| LTE Band 17 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |               |               |         |
|--|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel 23755        | Channel 23790 | Channel 23825 | Tune up |
|  |            |         |           |                      |               |               |         |
| <b>5MHz</b>  | QPSK       | 1       | 0         | 14.82                | 14.74         | 14.84         | 16      |
|  |            | 1       | 13        | 15.07                | 14.93         | 15.22         | 16      |
|  |            | 1       | 24        | 15.01                | 15.01         | 15.1          | 16      |
|  |            | 12      | 0         | 14.87                | 14.96         | 15.13         | 16      |

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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 12             | 6                | 15.02          | 15.01          | 15.04          | 16             |
|                  |                   | 12             | 13               | 14.94          | 15.1           | 15.09          | 16             |
|                  |                   | 25             | 0                | 14.91          | 14.9           | 15.07          | 16             |
|                  | 16QAM             | 1              | 0                | 15.23          | 14.93          | 14.88          | 16             |
|                  |                   | 1              | 13               | 15.43          | 15.14          | 15.02          | 16             |
|                  |                   | 1              | 24               | 15.21          | 15.41          | 15.32          | 16             |
|                  |                   | 12             | 0                | 14.88          | 15.05          | 15.09          | 16             |
|                  |                   | 12             | 6                | 15.05          | 15.09          | 14.97          | 16             |
|                  |                   | 12             | 13               | 14.83          | 14.95          | 15.04          | 16             |
|                  |                   | 25             | 0                | 14.67          | 14.88          | 14.84          | 16             |
|                  | 64QAM             | 1              | 0                | 14.77          | 14.58          | 14.83          | 16             |
|                  |                   | 1              | 13               | 14.3           | 15.16          | 14.6           | 16             |
|                  |                   | 1              | 24               | 14.96          | 15.09          | 14.98          | 16             |
|                  |                   | 12             | 0                | 14.93          | 14.74          | 14.84          | 16             |
|                  |                   | 12             | 6                | 14.8           | 14.86          | 15.01          | 16             |
|                  |                   | 12             | 13               | 14.95          | 14.87          | 14.95          | 16             |
|                  |                   | 25             | 0                | 15.06          | 15.03          | 14.93          | 16             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 23780          | 23790          | 23800          |                |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 15.04          | <b>15.07</b>   | 15.05          | 16             |
|                  |                   | 1              | 25               | 14.87          | 14.14          | 14.98          | 16             |
|                  |                   | 1              | 49               | 14.73          | 14.73          | 14.8           | 16             |
|                  |                   | 25             | 0                | 14.91          | 14.91          | 14.93          | 16             |
|                  |                   | 25             | 13               | 15.02          | 14.94          | 15.07          | 16             |
|                  |                   | 25             | 25               | 15.03          | 15             | 15.03          | 16             |
|                  |                   | 50             | 0                | 14.85          | 15.04          | 15.05          | 16             |
|                  | 16QAM             | 1              | 0                | 15.31          | 14.9           | 15.26          | 16             |
|                  |                   | 1              | 25               | 14.35          | 15.36          | 14.86          | 16             |
|                  |                   | 1              | 49               | 15.48          | 14.71          | 15.54          | 16             |
|                  |                   | 25             | 0                | 14.86          | 14.86          | 14.84          | 16             |
|                  |                   | 25             | 13               | 14.95          | 14.87          | 14.98          | 16             |
|                  |                   | 25             | 25               | 15.09          | 15.11          | 14.96          | 16             |
|                  |                   | 50             | 0                | 14.81          | 14.82          | 14.85          | 16             |
|                  | 64QAM             | 1              | 0                | 14.82          | 14.61          | 14.86          | 16             |
|                  |                   | 1              | 25               | 14.33          | 15.25          | 14.54          | 16             |
|                  |                   | 1              | 49               | 14.96          | 15.04          | 14.94          | 16             |
|                  |                   | 25             | 0                | 14.9           | 14.74          | 14.77          | 16             |
|                  |                   | 25             | 13               | 14.87          | 14.85          | 15.08          | 16             |
|                  |                   | 25             | 25               | 14.96          | 14.96          | 15.03          | 16             |
|                  |                   | 50             | 0                | 14.95          | 14.95          | 14.86          | 16             |

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| LTE Band 17 Receiver off (body or limbs) + BT + WiFi5G Ant1/Ant2/MIMO |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel 23755        | Channel 23790 | Channel 23825 | Tune up |
| 5MHz  | QPSK       | 1       | 0         | 17.95                | 17.95         | 17.85         | 19      |
|   |            | 1       | 13        | 17.86                | 17.93         | 18.23         | 19      |
|   |            | 1       | 24        | 17.91                | 17.97         | 18.11         | 19      |
|   |            | 12      | 0         | 18                   | 17.99         | 18.02         | 19      |
|   |            | 12      | 6         | 17.87                | 17.99         | 18.04         | 19      |
|   |            | 12      | 13        | 17.99                | 18.04         | 18            | 19      |
|   |            | 25      | 0         | 17.95                | 18.01         | 17.94         | 19      |
|   | 16QAM      | 1       | 0         | 17.6                 | 18.66         | 18.44         | 19      |
|   |            | 1       | 13        | 18.47                | 18.29         | 18.39         | 19      |
|   |            | 1       | 24        | 18.33                | 17.95         | 18.5          | 19      |
|   |            | 12      | 0         | 18.03                | 17.93         | 17.97         | 19      |
|   |            | 12      | 6         | 17.97                | 17.88         | 17.87         | 19      |
|   |            | 12      | 13        | 17.9                 | 18.06         | 18            | 19      |
|   |            | 25      | 0         | 17.92                | 18.05         | 18.08         | 19      |
|   | 64QAM      | 1       | 0         | 17.64                | 17.54         | 17.81         | 19      |
|   |            | 1       | 13        | 17.28                | 18.07         | 17.43         | 19      |
|   |            | 1       | 24        | 17.85                | 17.88         | 17.84         | 19      |
|   |            | 12      | 0         | 17.79                | 17.59         | 17.75         | 19      |
|   |            | 12      | 6         | 17.84                | 17.71         | 18.05         | 19      |
|   |            | 12      | 13        | 17.77                | 17.82         | 18.01         | 19      |
|   |            | 25      | 0         | 17.79                | 17.8          | 17.8          | 19      |
| Bandwidth   | Modulation | RB size | RB offset | Channel 23780        | Channel 23790 | Channel 23800 | Tune up |
| 10MHz   | QPSK       | 1       | 0         | 17.82                | 17.88         | 17.84         | 19      |
|   |            | 1       | 25        | 17.94                | 18.09         | 18.05         | 19      |
|   |            | 1       | 49        | 17.86                | 17.99         | 18.11         | 19      |
|   |            | 25      | 0         | 17.89                | 17.95         | 17.93         | 19      |
|   |            | 25      | 13        | 17.86                | 17.91         | 17.9          | 19      |
|   |            | 25      | 25        | 18.08                | 18.11         | 18.09         | 19      |
|   |            | 50      | 0         | 17.89                | 18.04         | 18.03         | 19      |
|   | 16QAM      | 1       | 0         | 18.36                | 18.13         | 17.71         | 19      |
|   |            | 1       | 25        | 18.27                | 18.26         | 18.63         | 19      |
|   |            | 1       | 49        | 18.2                 | 18.29         | 18.37         | 19      |
|   |            | 25      | 0         | 17.96                | 17.98         | 17.74         | 19      |
|   |            | 25      | 13        | 17.93                | 17.82         | 17.95         | 19      |
|   |            | 25      | 25        | 18.04                | 18.11         | 17.89         | 19      |
|   |            | 50      | 0         | 17.77                | 17.99         | 17.91         | 19      |
|   | 64QAM      | 1       | 0         | 17.63                | 17.54         | 17.83         | 19      |
|   |            | 1       | 25        | 17.26                | 18.11         | 17.37         | 19      |
|   |            | 1       | 49        | 17.79                | 17.93         | 17.84         | 19      |
|   |            | 25      | 0         | 17.72                | 17.57         | 17.64         | 19      |
|   |            | 25      | 13        | 17.78                | 17.78         | 17.96         | 19      |
|   |            | 25      | 25        | 17.9                 | 17.87         | 17.97         | 19      |

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|  |  |    |   |       |      |      |    |
|--|--|----|---|-------|------|------|----|
|  |  | 50 | 0 | 17.93 | 17.9 | 17.8 | 19 |
|--|--|----|---|-------|------|------|----|

| LTE Band 17 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2 |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz   | QPSK       | 1       | 0         | 16.33                | 16.46   | 16.5    | 17.5    |
|  |            | 1       | 13        | 16.39                | 16.49   | 16.38   | 17.5    |
|  |            | 1       | 24        | 16.34                | 16.63   | 16.64   | 17.5    |
|  |            | 12      | 0         | 16.52                | 16.47   | 16.54   | 17.5    |
|  |            | 12      | 6         | 16.56                | 16.32   | 16.52   | 17.5    |
|  |            | 12      | 13        | 16.49                | 16.51   | 16.54   | 17.5    |
|  |            | 25      | 0         | 16.46                | 16.44   | 16.58   | 17.5    |
|  | 16QAM      | 1       | 0         | 16.82                | 16.81   | 16.78   | 17.5    |
|  |            | 1       | 13        | 16.72                | 16.97   | 17.02   | 17.5    |
|  |            | 1       | 24        | 16.84                | 16.93   | 16.82   | 17.5    |
|  |            | 12      | 0         | 16.42                | 16.39   | 16.65   | 17.5    |
|  |            | 12      | 6         | 16.44                | 16.48   | 16.28   | 17.5    |
|  |            | 12      | 13        | 16.44                | 16.47   | 16.56   | 17.5    |
|  |            | 25      | 0         | 16.3                 | 16.56   | 16.48   | 17.5    |
|  | 64QAM      | 1       | 0         | 16.28                | 16.21   | 16.35   | 17.5    |
|  |            | 1       | 13        | 15.67                | 16.44   | 15.79   | 17.5    |
|  |            | 1       | 24        | 16.24                | 16.38   | 16.35   | 17.5    |
|  |            | 12      | 0         | 16.39                | 16.36   | 16.14   | 17.5    |
|  |            | 12      | 6         | 16.25                | 16.15   | 16.41   | 17.5    |
|  |            | 12      | 13        | 16.31                | 16.4    | 16.46   | 17.5    |
|  |            | 25      | 0         | 16.42                | 16.37   | 16.35   | 17.5    |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23780                | 23790   | 23800   |         |
| 10MHz  | QPSK       | 1       | 0         | 16.34                | 16.27   | 16.38   | 17.5    |
|  |            | 1       | 25        | 15.87                | 16.65   | 16.01   | 17.5    |
|  |            | 1       | 49        | 16.45                | 16.59   | 16.48   | 17.5    |
|  |            | 25      | 0         | 16.47                | 16.42   | 16.38   | 17.5    |
|  |            | 25      | 13        | 16.37                | 16.29   | 16.52   | 17.5    |
|  |            | 25      | 25        | 16.47                | 16.56   | 16.46   | 17.5    |
|  |            | 50      | 0         | 16.44                | 16.44   | 16.48   | 17.5    |
|  | 16QAM      | 1       | 0         | 16.84                | 16.63   | 16.69   | 17.5    |
|  |            | 1       | 25        | 16.95                | 16.2    | 16.38   | 17.5    |
|  |            | 1       | 49        | 17.03                | 17.17   | 16.9    | 17.5    |
|  |            | 25      | 0         | 16.42                | 16.39   | 16.2    | 17.5    |
|  |            | 25      | 13        | 16.48                | 16.28   | 16.46   | 17.5    |
|  |            | 25      | 25        | 16.6                 | 16.51   | 16.46   | 17.5    |
|  |            | 50      | 0         | 16.43                | 16.42   | 16.37   | 17.5    |
|  | 64QAM      | 1       | 0         | 16.22                | 16.07   | 16.31   | 17.5    |
|  |            | 1       | 25        | 15.79                | 16.63   | 15.93   | 17.5    |
|  |            | 1       | 49        | 16.42                | 16.5    | 16.37   | 17.5    |

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|  |  |    |    |       |       |       |      |
|--|--|----|----|-------|-------|-------|------|
|  |  | 25 | 0  | 16.43 | 16.18 | 16.13 | 17.5 |
|  |  | 25 | 13 | 16.29 | 16.27 | 16.41 | 17.5 |
|  |  | 25 | 25 | 16.4  | 16.35 | 16.32 | 17.5 |
|  |  | 50 | 0  | 16.39 | 16.35 | 16.31 | 17.5 |

| LTE Band 17 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2 |            |         |           | Conducted Power(dBm) |               |               |         |
|---|------------|---------|-----------|----------------------|---------------|---------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel 23755        | Channel 23790 | Channel 23825 | Tune up |
| 5MHz  | QPSK       | 1       | 0         | 16.87                | 16.79         | 17            | 18      |
|   |            | 1       | 13        | 16.97                | 16.91         | 16.99         | 18      |
|   |            | 1       | 24        | 17.04                | 17.03         | 17.26         | 18      |
|   |            | 12      | 0         | 16.89                | 16.99         | 16.98         | 18      |
|   |            | 12      | 6         | 17.07                | 16.9          | 17            | 18      |
|   |            | 12      | 13        | 17                   | 17.1          | 17.12         | 18      |
|   | 16QAM      | 25      | 0         | 16.98                | 17.03         | 17.04         | 18      |
|   |            | 1       | 0         | 17.05                | 17.38         | 17.31         | 18      |
|   |            | 1       | 13        | 17.39                | 16.59         | 17.46         | 18      |
|   |            | 1       | 24        | 17.54                | 17.38         | 17.46         | 18      |
|   |            | 12      | 0         | 16.94                | 16.92         | 17.05         | 18      |
|   |            | 12      | 6         | 16.79                | 16.91         | 16.94         | 18      |
|   | 64QAM      | 12      | 13        | 16.94                | 16.95         | 17.06         | 18      |
|   |            | 25      | 0         | 16.8                 | 16.97         | 16.98         | 18      |
|   |            | 1       | 0         | 16.65                | 16.52         | 16.71         | 18      |
|   |            | 1       | 13        | 16.24                | 17.07         | 16.36         | 18      |
|   |            | 1       | 24        | 16.87                | 16.92         | 16.79         | 18      |
|   |            | 12      | 0         | 16.92                | 16.66         | 16.61         | 18      |
| 10MHz   | QPSK       | 12      | 6         | 16.73                | 16.75         | 16.88         | 18      |
|   |            | 12      | 13        | 16.87                | 16.77         | 16.76         | 18      |
|   |            | 25      | 0         | 16.85                | 16.81         | 16.73         | 18      |
|   | 16QAM      | 1       | 0         | 16.78                | 16.92         | 17.05         | 18      |
|   |            | 1       | 25        | 16.62                | 17.26         | 16.45         | 18      |
|   |            | 1       | 49        | 16.96                | 17.1          | 17.06         | 18      |
|   | QPSK       | 25      | 0         | 16.97                | 16.86         | 16.77         | 18      |
|   |            | 25      | 13        | 17.05                | 17.04         | 16.96         | 18      |
|   |            | 25      | 25        | 17.02                | 17.15         | 17.13         | 18      |
|   |            | 50      | 0         | 16.95                | 17            | 17.01         | 18      |
|   | 16QAM      | 1       | 0         | 17.24                | 17.07         | 17.29         | 18      |
|   |            | 1       | 25        | 17.81                | 16.97         | 17.3          | 18      |
|   |            | 1       | 49        | 17.46                | 17.3          | 17.04         | 18      |
|   |            | 25      | 0         | 16.88                | 16.77         | 16.71         | 18      |
|   |            | 25      | 13        | 16.83                | 16.86         | 16.91         | 18      |
|   |            | 25      | 25        | 16.85                | 16.93         | 17.09         | 18      |

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|  |  |    |    |       |       |       |    |
|--|--|----|----|-------|-------|-------|----|
|  |  | 50 | 0  | 16.84 | 16.82 | 16.98 | 18 |
|  |  | 1  | 0  | 16.7  | 16.54 | 16.79 | 18 |
|  |  | 1  | 25 | 16.19 | 17.09 | 16.4  | 18 |
|  |  | 1  | 49 | 16.89 | 16.93 | 16.81 | 18 |
|  |  | 25 | 0  | 16.9  | 16.65 | 16.6  | 18 |
|  |  | 25 | 13 | 16.71 | 16.73 | 16.87 | 18 |
|  |  | 25 | 25 | 16.86 | 16.85 | 16.77 | 18 |
|  |  | 50 | 0  | 16.84 | 16.83 | 16.74 | 18 |

| LTE Band 17 Receiver off (body or limbs) + WiFi2.4G Ant1 + WiFi5G Ant2 |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz   | QPSK       | 1       | 0         | 19.98                | 19.95   | 19.9    | 21      |
|  |            | 1       | 13        | 20.04                | 20      | 19.93   | 21      |
|  |            | 1       | 24        | 19.88                | 19.92   | 20      | 21      |
|  |            | 12      | 0         | 19.97                | 19.89   | 20.01   | 21      |
|  |            | 12      | 6         | 20.06                | 19.84   | 19.96   | 21      |
|  |            | 12      | 13        | 20.03                | 20.12   | 20.02   | 21      |
|  |            | 25      | 0         | 19.92                | 19.96   | 20.06   | 21      |
|  | 16QAM      | 1       | 0         | 20.09                | 20.43   | 20.01   | 21      |
|  |            | 1       | 13        | 20.17                | 20.37   | 20.38   | 21      |
|  |            | 1       | 24        | 20.25                | 20.37   | 20.6    | 21      |
|  |            | 12      | 0         | 20                   | 19.99   | 20.02   | 21      |
|  |            | 12      | 6         | 19.97                | 19.93   | 19.98   | 21      |
|  |            | 12      | 13        | 19.9                 | 19.9    | 20.05   | 21      |
|  |            | 25      | 0         | 19.9                 | 19.9    | 19.97   | 21      |
|  | 64QAM      | 1       | 0         | 19.7                 | 19.49   | 19.76   | 21      |
|  |            | 1       | 13        | 19.14                | 19.98   | 19.33   | 21      |
|  |            | 1       | 24        | 19.8                 | 19.84   | 19.71   | 21      |
|  |            | 12      | 0         | 19.8                 | 19.55   | 19.51   | 21      |
|  |            | 12      | 6         | 19.69                | 19.61   | 19.79   | 21      |
|  |            | 12      | 13        | 19.78                | 19.75   | 19.68   | 21      |
|  |            | 25      | 0         | 19.81                | 19.72   | 19.7    | 21      |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 23780                | 23790   | 23800   |         |
| 10MHz  | QPSK       | 1       | 0         | 19.95                | 19.91   | 19.93   | 21      |
|  |            | 1       | 25        | 19.64                | 19.37   | 19.72   | 21      |
|  |            | 1       | 49        | 19.91                | 19.96   | 20.07   | 21      |
|  |            | 25      | 0         | 19.94                | 20      | 19.88   | 21      |
|  |            | 25      | 13        | 19.95                | 19.79   | 19.94   | 21      |
|  |            | 25      | 25        | 20.06                | 20.01   | 19.97   | 21      |
|  |            | 50      | 0         | 19.96                | 19.99   | 19.95   | 21      |
|  | 16QAM      | 1       | 0         | 20.57                | 20.17   | 20.08   | 21      |
|  |            | 1       | 25        | 19.66                | 19.37   | 19.6    | 21      |

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|  |       |    |    |       |       |       |    |
|--|-------|----|----|-------|-------|-------|----|
|  |       | 1  | 49 | 20.41 | 20.18 | 20.43 | 21 |
|  |       | 25 | 0  | 19.8  | 19.85 | 19.9  | 21 |
|  |       | 25 | 13 | 19.85 | 19.93 | 19.91 | 21 |
|  |       | 25 | 25 | 19.98 | 20.05 | 20.05 | 21 |
|  |       | 50 | 0  | 19.91 | 19.96 | 20.01 | 21 |
|  | 64QAM | 1  | 0  | 19.68 | 19.47 | 19.7  | 21 |
|  |       | 1  | 25 | 19.1  | 20.08 | 19.4  | 21 |
|  |       | 1  | 49 | 19.78 | 19.89 | 19.77 | 21 |
|  |       | 25 | 0  | 19.83 | 19.56 | 19.57 | 21 |
|  |       | 25 | 13 | 19.65 | 19.69 | 19.86 | 21 |
|  |       | 25 | 25 | 19.78 | 19.77 | 19.77 | 21 |
|  |       | 50 | 0  | 19.8  | 19.8  | 19.67 | 21 |

| LTE Band 26 Receiver on(Left head) |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                             | QPSK       | 1       | 0         | 18.72                | 18.64   | 18.52   | 19.5    |
|                                    |            | 1       | 2         | 18.31                | 18.2    | 17.88   | 19.5    |
|                                    |            | 1       | 5         | 18.7                 | 18.6    | 18.55   | 19.5    |
|                                    |            | 3       | 0         | 18.54                | 18.5    | 18.42   | 19.5    |
|                                    |            | 3       | 2         | 18.63                | 18.41   | 18.51   | 19.5    |
|                                    |            | 3       | 3         | 18.59                | 18.47   | 18.47   | 19.5    |
|                                    |            | 6       | 0         | 18.44                | 18.49   | 18.47   | 19.5    |
|                                    | 16QAM      | 1       | 0         | 18.98                | 18.96   | 18.78   | 19.5    |
|                                    |            | 1       | 2         | 18.66                | 18.62   | 18.6    | 19.5    |
|                                    |            | 1       | 5         | 18.99                | 18.88   | 18.78   | 19.5    |
|                                    |            | 3       | 0         | 18.59                | 18.7    | 18.55   | 19.5    |
|                                    |            | 3       | 2         | 18.52                | 18.32   | 18.43   | 19.5    |
|                                    |            | 3       | 3         | 18.73                | 18.68   | 18.51   | 19.5    |
|                                    |            | 6       | 0         | 18.55                | 18.6    | 18.44   | 19.5    |
|                                    | 64QAM      | 1       | 0         | 18.74                | 18.64   | 18.6    | 19.5    |
|                                    |            | 1       | 2         | 18.84                | 18.67   | 18.74   | 19.5    |
|                                    |            | 1       | 5         | 18.79                | 18.7    | 18.62   | 19.5    |
|                                    |            | 3       | 0         | 18.62                | 18.5    | 18.45   | 19.5    |
|                                    |            | 3       | 2         | 18.43                | 18.57   | 18.47   | 19.5    |
|                                    |            | 3       | 3         | 18.53                | 18.46   | 18.44   | 19.5    |
|                                    |            | 6       | 0         | 18.46                | 18.44   | 18.39   | 19.5    |
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 26705                | 26865   | 27025   |         |
| 3MHz                               | QPSK       | 1       | 0         | 18.71                | 18.7    | 18.57   | 19.5    |
|                                    |            | 1       | 7         | 18.47                | 18.44   | 18.19   | 19.5    |
|                                    |            | 1       | 14        | 18.73                | 18.69   | 18.53   | 19.5    |
|                                    |            | 8       | 0         | 18.65                | 18.59   | 18.48   | 19.5    |
|                                    |            | 8       | 4         | 18.63                | 18.58   | 18.48   | 19.5    |

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|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 18.65   | 18.59   | 18.45   | 19.5    |
|           |            | 15      | 0         | 18.7    | 18.59   | 18.55   | 19.5    |
|           | 16QAM      | 1       | 0         | 18.9    | 18.9    | 18.86   | 19.5    |
|           |            | 1       | 7         | 18.88   | 18.7    | 18.5    | 19.5    |
|           |            | 1       | 14        | 18.96   | 18.84   | 18.74   | 19.5    |
|           |            | 8       | 0         | 18.63   | 18.56   | 18.45   | 19.5    |
|           |            | 8       | 4         | 18.62   | 18.58   | 18.51   | 19.5    |
|           |            | 8       | 7         | 18.68   | 18.51   | 18.47   | 19.5    |
|           |            | 15      | 0         | 18.6    | 18.57   | 18.54   | 19.5    |
|           | 64QAM      | 1       | 0         | 18.73   | 18.73   | 18.64   | 19.5    |
|           |            | 1       | 7         | 18.77   | 18.75   | 18.82   | 19.5    |
|           |            | 1       | 14        | 18.84   | 18.74   | 18.63   | 19.5    |
|           |            | 8       | 0         | 18.59   | 18.43   | 18.43   | 19.5    |
|           |            | 8       | 4         | 18.43   | 18.57   | 18.44   | 19.5    |
|           |            | 8       | 7         | 18.57   | 18.53   | 18.4    | 19.5    |
|           |            | 15      | 0         | 18.48   | 18.43   | 18.37   | 19.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 18.7    | 18.66   | 18.58   | 19.5    |
|           |            | 1       | 13        | 18.74   | 18.66   | 18.57   | 19.5    |
|           |            | 1       | 24        | 18.64   | 18.64   | 18.57   | 19.5    |
|           |            | 12      | 0         | 18.76   | 18.66   | 18.6    | 19.5    |
|           |            | 12      | 6         | 18.66   | 18.58   | 18.56   | 19.5    |
|           |            | 12      | 13        | 18.78   | 18.68   | 18.59   | 19.5    |
|           |            | 25      | 0         | 18.69   | 18.67   | 18.53   | 19.5    |
|           | 16QAM      | 1       | 0         | 18.96   | 18.93   | 18.8    | 19.5    |
|           |            | 1       | 13        | 18.97   | 18.87   | 18.89   | 19.5    |
|           |            | 1       | 24        | 18.92   | 18.89   | 18.82   | 19.5    |
|           |            | 12      | 0         | 18.74   | 18.66   | 18.57   | 19.5    |
|           |            | 12      | 6         | 18.66   | 18.57   | 18.53   | 19.5    |
|           |            | 12      | 13        | 18.76   | 18.64   | 18.52   | 19.5    |
|           |            | 25      | 0         | 18.66   | 18.62   | 18.51   | 19.5    |
|           | 64QAM      | 1       | 0         | 18.78   | 18.69   | 18.62   | 19.5    |
|           |            | 1       | 13        | 18.84   | 18.73   | 18.8    | 19.5    |
|           |            | 1       | 24        | 18.76   | 18.75   | 18.67   | 19.5    |
|           |            | 12      | 0         | 18.58   | 18.44   | 18.46   | 19.5    |
|           |            | 12      | 6         | 18.4    | 18.5    | 18.48   | 19.5    |
|           |            | 12      | 13        | 18.53   | 18.48   | 18.41   | 19.5    |
|           |            | 25      | 0         | 18.44   | 18.41   | 18.38   | 19.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26750   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.67   | 18.66   | 18.59   | 19.5    |
|           |            | 1       | 25        | 18.68   | 18.53   | 18.51   | 19.5    |
|           |            | 1       | 49        | 18.71   | 18.67   | 18.56   | 19.5    |
|           |            | 25      | 0         | 18.77   | 18.64   | 18.59   | 19.5    |
|           |            | 25      | 13        | 18.7    | 18.67   | 18.54   | 19.5    |
|           |            | 25      | 25        | 18.69   | 18.64   | 18.59   | 19.5    |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  | 16QAM             | 50             | 0                | 18.69                | 18.66                | 18.58                | 19.5           |
|                  |                   | 1              | 0                | 18.98                | 18.88                | 18.83                | 19.5           |
|                  |                   | 1              | 25               | 18.84                | 18.47                | 18.59                | 19.5           |
|                  |                   | 1              | 49               | 18.9                 | 18.88                | 18.82                | 19.5           |
|                  |                   | 25             | 0                | 18.7                 | 18.57                | 18.5                 | 19.5           |
|                  |                   | 25             | 13               | 18.68                | 18.62                | 18.54                | 19.5           |
|                  |                   | 25             | 25               | 18.64                | 18.6                 | 18.56                | 19.5           |
|                  |                   | 50             | 0                | 18.58                | 18.62                | 18.5                 | 19.5           |
|                  | 64QAM             | 1              | 0                | 18.8                 | 18.66                | 18.56                | 19.5           |
|                  |                   | 1              | 25               | 18.77                | 18.73                | 18.83                | 19.5           |
|                  |                   | 1              | 49               | 18.76                | 18.66                | 18.65                | 19.5           |
|                  |                   | 25             | 0                | 18.59                | 18.51                | 18.41                | 19.5           |
|                  |                   | 25             | 13               | 18.43                | 18.56                | 18.5                 | 19.5           |
|                  |                   | 25             | 25               | 18.54                | 18.44                | 18.44                | 19.5           |
|                  |                   | 50             | 0                | 18.51                | 18.45                | 18.38                | 19.5           |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 26775</b> | <b>Channel 26865</b> | <b>Channel 26965</b> | <b>Tune up</b> |
| <b>15MHz</b>     | QPSK              | 1              | 0                | <b>18.66</b>         | 18.59                | 18.61                | 19.5           |
|                  |                   | 1              | 38               | 18.65                | 18.63                | 18.63                | 19.5           |
|                  |                   | 1              | 74               | 18.65                | 18.6                 | 18.51                | 19.5           |
|                  |                   | 36             | 0                | <b>18.78</b>         | 18.66                | 18.67                | 19.5           |
|                  |                   | 36             | 18               | 18.73                | 18.67                | 18.58                | 19.5           |
|                  |                   | 36             | 39               | 18.74                | 18.69                | 18.62                | 19.5           |
|                  |                   | 75             | 0                | 18.7                 | 18.66                | 18.64                | 19.5           |
|                  |                   |                |                  |                      |                      |                      |                |
|                  | 16QAM             | 1              | 0                | 18.88                | 18.89                | 18.89                | 19.5           |
|                  |                   | 1              | 38               | 18.96                | 18.95                | 18.88                | 19.5           |
|                  |                   | 1              | 74               | 18.85                | 18.84                | 18.8                 | 19.5           |
|                  |                   | 36             | 0                | 18.71                | 18.58                | 18.57                | 19.5           |
|                  |                   | 36             | 18               | 18.67                | 18.64                | 18.59                | 19.5           |
|                  |                   | 36             | 39               | 18.65                | 18.64                | 18.57                | 19.5           |
|                  |                   | 75             | 0                | 18.65                | 18.63                | 18.56                | 19.5           |
|                  |                   |                |                  |                      |                      |                      |                |
|                  | 64QAM             | 1              | 0                | 18.77                | 18.72                | 18.55                | 19.5           |
|                  |                   | 1              | 38               | 18.83                | 18.76                | 18.79                | 19.5           |
|                  |                   | 1              | 74               | 18.77                | 18.69                | 18.66                | 19.5           |
|                  |                   | 36             | 0                | 18.53                | 18.43                | 18.43                | 19.5           |
|                  |                   | 36             | 18               | 18.46                | 18.52                | 18.42                | 19.5           |
|                  |                   | 36             | 39               | 18.57                | 18.52                | 18.39                | 19.5           |
|                  |                   | 75             | 0                | 18.47                | 18.49                | 18.36                | 19.5           |
|                  |                   |                |                  |                      |                      |                      |                |

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| LTE Band 26 Receiver on(Right head) |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                     |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                              | QPSK       | 1       | 0         | 19.19                | 19.11   | 19.02   | 20      |
|                                     |            | 1       | 2         | 19                   | 18.81   | 18.68   | 20      |
|                                     |            | 1       | 5         | 19.22                | 19.1    | 19.03   | 20      |
|                                     |            | 3       | 0         | 19                   | 19.05   | 18.94   | 20      |
|                                     |            | 3       | 2         | 18.95                | 18.92   | 18.88   | 20      |
|                                     |            | 3       | 3         | 19.08                | 19.05   | 18.92   | 20      |
|                                     |            | 6       | 0         | 19.08                | 19.12   | 18.9    | 20      |
|                                     | 16QAM      | 1       | 0         | 19.49                | 19.35   | 19.26   | 20      |
|                                     |            | 1       | 2         | 19.12                | 19.13   | 18.89   | 20      |
|                                     |            | 1       | 5         | 19.42                | 19.32   | 19.25   | 20      |
|                                     |            | 3       | 0         | 19.15                | 19.18   | 19.01   | 20      |
|                                     |            | 3       | 2         | 19.05                | 18.9    | 18.78   | 20      |
|                                     |            | 3       | 3         | 19.12                | 19.06   | 18.97   | 20      |
|                                     |            | 6       | 0         | 19.14                | 19.04   | 18.96   | 20      |
|                                     | 64QAM      | 1       | 0         | 19.34                | 19.18   | 19.19   | 20      |
|                                     |            | 1       | 2         | 19.36                | 19.27   | 19.24   | 20      |
|                                     |            | 1       | 5         | 19.28                | 19.18   | 19.19   | 20      |
|                                     |            | 3       | 0         | 19.08                | 19.11   | 18.89   | 20      |
|                                     |            | 3       | 2         | 18.96                | 19      | 18.94   | 20      |
|                                     |            | 3       | 3         | 19.11                | 18.95   | 19.01   | 20      |
|                                     |            | 6       | 0         | 18.93                | 19.05   | 18.88   | 20      |
| Bandwidth                           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                     |            |         |           | 26705                | 26865   | 27025   |         |
| 3MHz                                | QPSK       | 1       | 0         | 19.18                | 19.07   | 19.02   | 20      |
|                                     |            | 1       | 7         | 18.73                | 18.34   | 18.27   | 20      |
|                                     |            | 1       | 14        | 19.21                | 19.14   | 19.03   | 20      |
|                                     |            | 8       | 0         | 19.18                | 19.12   | 18.99   | 20      |
|                                     |            | 8       | 4         | 19.19                | 19.11   | 19.04   | 20      |
|                                     |            | 8       | 7         | 19.15                | 19.1    | 19.02   | 20      |
|                                     |            | 15      | 0         | 19.18                | 19.15   | 19.04   | 20      |
|                                     | 16QAM      | 1       | 0         | 19.46                | 19.35   | 19.25   | 20      |
|                                     |            | 1       | 7         | 18.86                | 19.17   | 19.02   | 20      |
|                                     |            | 1       | 14        | 19.49                | 19.41   | 19.33   | 20      |
|                                     |            | 8       | 0         | 19.1                 | 19.04   | 19.02   | 20      |
|                                     |            | 8       | 4         | 19.11                | 18.95   | 18.98   | 20      |
|                                     |            | 8       | 7         | 19.09                | 19.07   | 19.05   | 20      |
|                                     |            | 15      | 0         | 19.15                | 19.05   | 18.97   | 20      |
|                                     | 64QAM      | 1       | 0         | 19.37                | 19.23   | 19.21   | 20      |
|                                     |            | 1       | 7         | 19.36                | 19.31   | 19.33   | 20      |
|                                     |            | 1       | 14        | 19.31                | 19.27   | 19.25   | 20      |
|                                     |            | 8       | 0         | 19.11                | 19.13   | 18.98   | 20      |

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|           |            | 8       | 4         | 19.03   | 19.05   | 18.97   | 20      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 19.17   | 18.97   | 19.04   | 20      |
|           |            | 15      | 0         | 18.99   | 19.06   | 18.95   | 20      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.17   | 19.16   | 19.06   | 20      |
|           |            | 1       | 13        | 19.2    | 19.11   | 19.04   | 20      |
|           |            | 1       | 24        | 19.17   | 19.11   | 19.06   | 20      |
|           |            | 12      | 0         | 19.26   | 19.17   | 19.13   | 20      |
|           |            | 12      | 6         | 19.15   | 19.1    | 19.01   | 20      |
|           |            | 12      | 13        | 19.21   | 19.16   | 19.08   | 20      |
|           |            | 25      | 0         | 19.18   | 19.11   | 19.05   | 20      |
|           | 16QAM      | 1       | 0         | 19.6    | 19.33   | 19.34   | 20      |
|           |            | 1       | 13        | 19.47   | 19.42   | 19.32   | 20      |
|           |            | 1       | 24        | 19.46   | 19.28   | 19.33   | 20      |
|           |            | 12      | 0         | 19.23   | 19.15   | 19.07   | 20      |
|           |            | 12      | 6         | 19.13   | 19.04   | 18.97   | 20      |
|           |            | 12      | 13        | 19.2    | 19.17   | 18.99   | 20      |
|           |            | 25      | 0         | 19.13   | 19.04   | 18.95   | 20      |
|           | 64QAM      | 1       | 0         | 19.26   | 19.28   | 19.15   | 20      |
|           |            | 1       | 13        | 19.31   | 19.27   | 19.25   | 20      |
|           |            | 1       | 24        | 19.36   | 19.23   | 19.2    | 20      |
|           |            | 12      | 0         | 19.08   | 19.1    | 19.04   | 20      |
|           |            | 12      | 6         | 18.99   | 19.05   | 18.96   | 20      |
|           |            | 12      | 13        | 19.15   | 18.96   | 18.99   | 20      |
|           |            | 25      | 0         | 19.02   | 18.99   | 18.96   | 20      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26750   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.14   | 19.09   | 19.08   | 20      |
|           |            | 1       | 25        | 18.95   | 18.98   | 18.89   | 20      |
|           |            | 1       | 49        | 19.12   | 19.09   | 18.99   | 20      |
|           |            | 25      | 0         | 19.22   | 19.12   | 19.06   | 20      |
|           |            | 25      | 13        | 19.17   | 19.12   | 19.08   | 20      |
|           |            | 25      | 25        | 19.16   | 19.08   | 19.07   | 20      |
|           |            | 50      | 0         | 19.18   | 19.13   | 19.1    | 20      |
|           | 16QAM      | 1       | 0         | 19.39   | 19.29   | 19.35   | 20      |
|           |            | 1       | 25        | 19.31   | 19.29   | 19.26   | 20      |
|           |            | 1       | 49        | 19.47   | 19.48   | 19.35   | 20      |
|           |            | 25      | 0         | 19.13   | 19.06   | 18.99   | 20      |
|           |            | 25      | 13        | 19.14   | 19.03   | 18.99   | 20      |
|           |            | 25      | 25        | 19.11   | 19.03   | 18.99   | 20      |
|           |            | 50      | 0         | 19.06   | 19.06   | 19.01   | 20      |
|           | 64QAM      | 1       | 0         | 19.33   | 19.29   | 19.21   | 20      |
|           |            | 1       | 25        | 19.31   | 19.29   | 19.35   | 20      |
|           |            | 1       | 49        | 19.28   | 19.28   | 19.31   | 20      |
|           |            | 25      | 0         | 19.13   | 19.04   | 19.03   | 20      |
|           |            | 25      | 13        | 19.06   | 19.1    | 19.01   | 20      |

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|           |            | 25      | 25        | 19.16   | 19.02   | 18.96   | 20      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 18.96   | 19.07   | 19      | 20      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26775   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 19.15   | 19.05   | 19.1    | 20      |
|           |            | 1       | 38        | 19.15   | 19.11   | 19.05   | 20      |
|           |            | 1       | 74        | 19.09   | 19.08   | 19.03   | 20      |
|           |            | 36      | 0         | 19.19   | 19.20   | 19.12   | 20      |
|           |            | 36      | 18        | 19.18   | 19.2    | 19.1    | 20      |
|           |            | 36      | 39        | 19.16   | 19.13   | 19.12   | 20      |
|           |            | 75      | 0         | 19.15   | 19.15   | 19.07   | 20      |
|           | 16QAM      | 1       | 0         | 19.37   | 19.31   | 19.25   | 20      |
|           |            | 1       | 38        | 19.42   | 19.38   | 19.35   | 20      |
|           |            | 1       | 74        | 19.38   | 19.3    | 19.32   | 20      |
|           |            | 36      | 0         | 19.13   | 19.13   | 19.06   | 20      |
|           |            | 36      | 18        | 19.11   | 19.12   | 19.05   | 20      |
|           |            | 36      | 39        | 19.17   | 19.06   | 19.05   | 20      |
|           |            | 75      | 0         | 19.07   | 19.08   | 19.02   | 20      |
|           | 64QAM      | 1       | 0         | 19.32   | 19.25   | 19.15   | 20      |
|           |            | 1       | 38        | 19.34   | 19.27   | 19.35   | 20      |
|           |            | 1       | 74        | 19.36   | 19.26   | 19.23   | 20      |
|           |            | 36      | 0         | 19.12   | 19.03   | 19      | 20      |
|           |            | 36      | 18        | 19      | 19.09   | 19.02   | 20      |
|           |            | 36      | 39        | 19.07   | 19.03   | 18.97   | 20      |
|           |            | 75      | 0         | 19.03   | 19.01   | 18.92   | 20      |

| LTE Band 26 Receiver off (body or limbs) |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                                   | QPSK       | 1       | 0         | 23.15                | 23.16   | 23.05   | 24      |
|  |            | 1       | 2         | 23.23                | 23.04   | 23.06   | 24      |
|  |            | 1       | 5         | 23.15                | 23.04   | 22.95   | 24      |
|  |            | 3       | 0         | 22.16                | 22.15   | 22.08   | 24      |
|  |            | 3       | 2         | 22.89                | 22.87   | 22.83   | 24      |
|  |            | 3       | 3         | 23.04                | 22.92   | 22.81   | 24      |
|  |            | 6       | 0         | 21.54                | 21.48   | 21.39   | 23      |
|  | 16QAM      | 1       | 0         | 22.37                | 22.27   | 22.1    | 23      |
|  |            | 1       | 2         | 22.4                 | 22.28   | 22.26   | 23      |
|  |            | 1       | 5         | 22.24                | 22.2    | 22.1    | 23      |
|  |            | 3       | 0         | 20.55                | 20.48   | 20.41   | 23      |
|  |            | 3       | 2         | 20.53                | 20.45   | 20.35   | 23      |
|  |            | 3       | 3         | 20.59                | 20.48   | 20.38   | 23      |
|  |            | 6       | 0         | 20.56                | 20.44   | 20.42   | 22      |
|  | 64QAM      | 1       | 0         | 21.14                | 21.21   | 21.09   | 22      |
|  |            | 1       | 2         | 21.35                | 21.25   | 21.2    | 22      |

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|           |            | 1       | 5         | 21.13            | 21.14            | 21.06            | 22      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 3       | 0         | 21.08            | 21.16            | 21.03            | 22      |
|           |            | 3       | 2         | 21.29            | 21.18            | 21.17            | 22      |
|           |            | 3       | 3         | 21.08            | 21.1             | 21.03            | 22      |
|           |            | 6       | 0         | 20.13            | 19.99            | 20.05            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26705 | Channel<br>26865 | Channel<br>27025 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 23.15            | 23.16            | 23.05            | 24      |
|           |            | 1       | 7         | 23.23            | 23.04            | 23.06            | 24      |
|           |            | 1       | 14        | 23.15            | 23.04            | 22.95            | 24      |
|           |            | 8       | 0         | 21.57            | 21.51            | 21.48            | 23      |
|           |            | 8       | 4         | 21.54            | 21.47            | 21.34            | 23      |
|           |            | 8       | 7         | 21.59            | 21.52            | 21.44            | 23      |
|           |            | 15      | 0         | 21.54            | 21.48            | 21.39            | 23      |
|           | 16QAM      | 1       | 0         | 22.37            | 22.27            | 22.1             | 23      |
|           |            | 1       | 7         | 22.4             | 22.28            | 22.26            | 23      |
|           |            | 1       | 14        | 22.24            | 22.2             | 22.1             | 23      |
|           |            | 8       | 0         | 20.55            | 20.48            | 20.41            | 22      |
|           |            | 8       | 4         | 20.53            | 20.45            | 20.35            | 22      |
|           |            | 8       | 7         | 20.59            | 20.48            | 20.38            | 22      |
|           |            | 15      | 0         | 20.56            | 20.44            | 20.42            | 22      |
|           | 64QAM      | 1       | 0         | 21.27            | 21.19            | 21.1             | 22      |
|           |            | 1       | 7         | 21.4             | 21.24            | 21.28            | 22      |
|           |            | 1       | 14        | 21.11            | 21.11            | 20.97            | 22      |
|           |            | 8       | 0         | 20.25            | 20.17            | 20.04            | 21      |
|           |            | 8       | 4         | 20.08            | 20.04            | 20.02            | 21      |
|           |            | 8       | 7         | 20.11            | 20.07            | 20.07            | 21      |
|           |            | 15      | 0         | 20.14            | 20.09            | 20.04            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26715 | Channel<br>26865 | Channel<br>27015 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 23.15            | 23.16            | 23.05            | 24      |
|           |            | 1       | 13        | 23.23            | 23.04            | 23.06            | 24      |
|           |            | 1       | 24        | 23.15            | 23.04            | 22.95            | 24      |
|           |            | 12      | 0         | 21.57            | 21.51            | 21.48            | 23      |
|           |            | 12      | 6         | 21.54            | 21.47            | 21.34            | 23      |
|           |            | 12      | 13        | 21.59            | 21.52            | 21.44            | 23      |
|           |            | 25      | 0         | 21.54            | 21.48            | 21.39            | 23      |
|           | 16QAM      | 1       | 0         | 22.37            | 22.27            | 22.1             | 23      |
|           |            | 1       | 13        | 22.4             | 22.28            | 22.26            | 23      |
|           |            | 1       | 24        | 22.24            | 22.2             | 22.1             | 23      |
|           |            | 12      | 0         | 20.55            | 20.48            | 20.41            | 22      |
|           |            | 12      | 6         | 20.53            | 20.45            | 20.35            | 22      |
|           |            | 12      | 13        | 20.59            | 20.48            | 20.38            | 22      |
|           |            | 25      | 0         | 20.56            | 20.44            | 20.42            | 22      |
|           | 64QAM      | 1       | 0         | 21.25            | 21.28            | 21.15            | 22      |
|           |            | 1       | 13        | 21.32            | 21.29            | 21.27            | 22      |
|           |            | 1       | 24        | 21.15            | 21.03            | 20.98            | 22      |

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|           |            | 12      | 0         | 20.21            | 20.16            | 20.02            | 21      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 12      | 6         | 20.15            | 20.11            | 19.95            | 21      |
|           |            | 12      | 13        | 20.1             | 20.03            | 20.07            | 21      |
|           |            | 25      | 0         | 20.09            | 20.02            | 19.95            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26750 | Channel<br>26865 | Channel<br>26990 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 23.13            | 23.13            | 23.08            | 24      |
|           |            | 1       | 25        | 22.83            | 22.63            | 22.69            | 24      |
|           |            | 1       | 49        | 23.05            | 23               | 22.93            | 24      |
|           |            | 25      | 0         | 21.57            | 21.51            | 21.46            | 23      |
|           |            | 25      | 13        | 21.56            | 21.51            | 21.45            | 23      |
|           |            | 25      | 25        | 21.56            | 21.47            | 21.44            | 23      |
|           |            | 50      | 0         | 21.54            | 21.51            | 21.44            | 23      |
|           | 16QAM      | 1       | 0         | 22.38            | 22.25            | 22.3             | 23      |
|           |            | 1       | 25        | 22.05            | 21.98            | 21.96            | 23      |
|           |            | 1       | 49        | 22.26            | 22.18            | 22.11            | 23      |
|           |            | 25      | 0         | 20.57            | 20.48            | 20.38            | 22      |
|           |            | 25      | 13        | 20.53            | 20.48            | 20.4             | 22      |
|           |            | 25      | 25        | 20.52            | 20.42            | 20.37            | 22      |
|           |            | 50      | 0         | 20.5             | 20.47            | 20.3             | 22      |
|           | 64QAM      | 1       | 0         | 21.15            | 21.24            | 21.14            | 22      |
|           |            | 1       | 25        | 21.37            | 21.21            | 21.23            | 22      |
|           |            | 1       | 49        | 21.2             | 21.11            | 20.98            | 22      |
|           |            | 25      | 0         | 20.19            | 20.18            | 20.01            | 21      |
|           |            | 25      | 13        | 20.1             | 20.16            | 20.02            | 21      |
|           |            | 25      | 25        | 20.13            | 20.08            | 20.06            | 21      |
|           |            | 50      | 0         | 20.12            | 20.05            | 19.96            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26775 | Channel<br>26865 | Channel<br>26965 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 23.08            | 22.98            | 22.98            | 24      |
|           |            | 1       | 38        | 23.09            | 23.02            | 23.02            | 24      |
|           |            | 1       | 74        | 23.04            | 22.91            | 22.9             | 24      |
|           |            | 36      | 0         | 21.66            | 21.58            | 21.52            | 23      |
|           |            | 36      | 18        | 21.57            | 21.57            | 21.47            | 23      |
|           |            | 36      | 39        | 21.55            | 21.55            | 21.5             | 23      |
|           |            | 75      | 0         | 21.6             | 21.52            | 21.49            | 23      |
|           | 16QAM      | 1       | 0         | 22.28            | 22.17            | 22.28            | 23      |
|           |            | 1       | 38        | 22.23            | 22.26            | 22.16            | 23      |
|           |            | 1       | 74        | 22.25            | 22.05            | 21.99            | 23      |
|           |            | 36      | 0         | 20.6             | 20.56            | 20.5             | 22      |
|           |            | 36      | 18        | 20.56            | 20.51            | 20.43            | 22      |
|           |            | 36      | 39        | 20.5             | 20.44            | 20.41            | 22      |
|           |            | 75      | 0         | 20.49            | 20.52            | 20.42            | 22      |
|           | 64QAM      | 1       | 0         | 21.27            | 21.31            | 21.21            | 22      |
|           |            | 1       | 38        | 21.4             | 21.34            | 21.31            | 22      |
|           |            | 1       | 74        | 21.24            | 21.17            | 21.07            | 22      |
|           |            | 36      | 0         | 20.27            | 20.2             | 20.1             | 21      |

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|  |  |    |    |       |       |       |    |
|--|--|----|----|-------|-------|-------|----|
|  |  | 36 | 18 | 20.16 | 20.16 | 20.03 | 21 |
|  |  | 36 | 39 | 20.16 | 20.12 | 20.08 | 21 |
|  |  | 75 | 0  | 20.16 | 20.13 | 20.05 | 21 |

| LTE Band 26 Receiver off (body or limbs) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 20.11                | 20.01   | 19.91   | 21      |
|   |            | 1       | 2         | 19.72                | 19.46   | 19.32   | 21      |
|   |            | 1       | 5         | 20.06                | 20.05   | 19.9    | 21      |
|   |            | 3       | 0         | 20.07                | 19.83   | 19.88   | 21      |
|   |            | 3       | 2         | 19.8                 | 19.72   | 19.76   | 21      |
|   |            | 3       | 3         | 19.95                | 19.84   | 19.82   | 21      |
|   |            | 6       | 0         | 19.95                | 19.85   | 19.87   | 21      |
|   | 16QAM      | 1       | 0         | 20.47                | 20.27   | 20.18   | 21      |
|   |            | 1       | 2         | 20.14                | 20.06   | 20.07   | 21      |
|   |            | 1       | 5         | 20.29                | 20.28   | 20.2    | 21      |
|   |            | 3       | 0         | 19.97                | 19.99   | 19.82   | 21      |
|   |            | 3       | 2         | 20.01                | 19.85   | 19.69   | 21      |
|   |            | 3       | 3         | 19.97                | 19.96   | 19.82   | 21      |
|   |            | 6       | 0         | 20.03                | 19.95   | 19.77   | 21      |
|   | 64QAM      | 1       | 0         | 20.21                | 20.07   | 19.92   | 21      |
|   |            | 1       | 2         | 20.13                | 20.15   | 20.13   | 21      |
|   |            | 1       | 5         | 20.17                | 20.16   | 20      | 21      |
|   |            | 3       | 0         | 20                   | 19.92   | 19.89   | 21      |
|   |            | 3       | 2         | 19.82                | 19.85   | 19.91   | 21      |
|   |            | 3       | 3         | 19.95                | 19.84   | 19.86   | 21      |
|   |            | 6       | 0         | 19.84                | 19.81   | 19.82   | 21      |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 26705                | 26865   | 27025   |         |
| 3MHz  | QPSK       | 1       | 0         | 20.06                | 20      | 19.94   | 21      |
|   |            | 1       | 7         | 19.98                | 20.05   | 19.51   | 21      |
|   |            | 1       | 14        | 20.07                | 20.02   | 19.9    | 21      |
|   |            | 8       | 0         | 20.03                | 19.88   | 19.97   | 21      |
|   |            | 8       | 4         | 19.99                | 19.94   | 19.79   | 21      |
|   |            | 8       | 7         | 20.03                | 19.84   | 19.68   | 21      |
|   |            | 15      | 0         | 20.03                | 19.98   | 19.9    | 21      |
|   | 16QAM      | 1       | 0         | 20.36                | 20.38   | 20.19   | 21      |
|   |            | 1       | 7         | 19.88                | 20.02   | 19.86   | 21      |
|   |            | 1       | 14        | 20.36                | 20.27   | 20.26   | 21      |
|   |            | 8       | 0         | 20                   | 19.91   | 19.77   | 21      |
|   |            | 8       | 4         | 19.98                | 19.97   | 19.76   | 21      |
|   |            | 8       | 7         | 20.07                | 19.93   | 19.77   | 21      |
|   |            | 15      | 0         | 20.02                | 19.92   | 19.76   | 21      |
|   | 64QAM      | 1       | 0         | 20.16                | 20.15   | 19.98   | 21      |

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|           |            | 1       | 7         | 20.22   | 20.09   | 20.12   | 21      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 14        | 20.25   | 20.15   | 20.1    | 21      |
|           |            | 8       | 0         | 20      | 19.91   | 19.87   | 21      |
|           |            | 8       | 4         | 19.82   | 19.94   | 19.83   | 21      |
|           |            | 8       | 7         | 19.92   | 19.92   | 19.83   | 21      |
|           |            | 15      | 0         | 19.86   | 19.81   | 19.8    | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.07   | 20.05   | 19.94   | 21      |
|           |            | 1       | 13        | 20.05   | 20.01   | 19.91   | 21      |
|           |            | 1       | 24        | 20.05   | 19.97   | 19.85   | 21      |
|           |            | 12      | 0         | 20.1    | 20.04   | 19.94   | 21      |
|           |            | 12      | 6         | 20.05   | 19.93   | 19.82   | 21      |
|           |            | 12      | 13        | 20.13   | 20.02   | 19.92   | 21      |
|           |            | 25      | 0         | 20.06   | 19.99   | 19.89   | 21      |
|           | 16QAM      | 1       | 0         | 20.41   | 20.39   | 20.32   | 21      |
|           |            | 1       | 13        | 20.38   | 20.34   | 20.33   | 21      |
|           |            | 1       | 24        | 20.44   | 20.23   | 20.24   | 21      |
|           |            | 12      | 0         | 20.07   | 20.03   | 19.94   | 21      |
|           |            | 12      | 6         | 20.03   | 19.9    | 19.9    | 21      |
|           |            | 12      | 13        | 20.09   | 20      | 19.89   | 21      |
|           |            | 25      | 0         | 19.96   | 19.92   | 19.86   | 21      |
|           | 64QAM      | 1       | 0         | 20.09   | 20.12   | 19.94   | 21      |
|           |            | 1       | 13        | 20.14   | 20.11   | 20.13   | 21      |
|           |            | 1       | 24        | 20.22   | 20.05   | 20.02   | 21      |
|           |            | 12      | 0         | 20.01   | 19.86   | 19.78   | 21      |
|           |            | 12      | 6         | 19.76   | 19.87   | 19.82   | 21      |
|           |            | 12      | 13        | 19.86   | 19.92   | 19.8    | 21      |
|           |            | 25      | 0         | 19.82   | 19.79   | 19.74   | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26750   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.03   | 20.03   | 19.96   | 21      |
|           |            | 1       | 25        | 19.93   | 19.58   | 19.91   | 21      |
|           |            | 1       | 49        | 20.03   | 19.93   | 19.89   | 21      |
|           |            | 25      | 0         | 20.08   | 20      | 19.92   | 21      |
|           |            | 25      | 13        | 20.01   | 20.02   | 19.96   | 21      |
|           |            | 25      | 25        | 20.02   | 19.99   | 19.93   | 21      |
|           |            | 50      | 0         | 20.03   | 19.97   | 19.92   | 21      |
|           | 16QAM      | 1       | 0         | 20.43   | 20.3    | 20.28   | 21      |
|           |            | 1       | 25        | 20      | 20.02   | 20.07   | 21      |
|           |            | 1       | 49        | 20.29   | 20.22   | 20.21   | 21      |
|           |            | 25      | 0         | 20.03   | 19.89   | 19.89   | 21      |
|           |            | 25      | 13        | 20.03   | 19.95   | 19.91   | 21      |
|           |            | 25      | 25        | 19.97   | 19.94   | 19.84   | 21      |
|           |            | 50      | 0         | 19.97   | 19.96   | 19.87   | 21      |
|           | 64QAM      | 1       | 0         | 20.1    | 20.06   | 19.94   | 21      |
|           |            | 1       | 25        | 20.21   | 20.07   | 20.19   | 21      |

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|           |            | 1       | 49        | 20.23            | 20.15            | 20.05            | 21      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 25      | 0         | 19.94            | 19.87            | 19.82            | 21      |
|           |            | 25      | 13        | 19.85            | 19.96            | 19.89            | 21      |
|           |            | 25      | 25        | 19.92            | 19.9             | 19.79            | 21      |
|           |            | 50      | 0         | 19.85            | 19.83            | 19.81            | 21      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26775 | Channel<br>26865 | Channel<br>26965 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 20.03            | 19.95            | 19.93            | 21      |
|           |            | 1       | 38        | 20.01            | 20.01            | 19.92            | 21      |
|           |            | 1       | 74        | 19.95            | 19.83            | 19.85            | 21      |
|           |            | 36      | 0         | 20.17            | 20.01            | 20.03            | 21      |
|           |            | 36      | 18        | 20.1             | 20.03            | 19.93            | 21      |
|           |            | 36      | 39        | 20.04            | 20.02            | 19.95            | 21      |
|           |            | 75      | 0         | 20.03            | 20.03            | 19.97            | 21      |
|           | 16QAM      | 1       | 0         | 20.37            | 20.25            | 20.25            | 21      |
|           |            | 1       | 38        | 20.31            | 20.32            | 20.31            | 21      |
|           |            | 1       | 74        | 20.22            | 20.24            | 20.23            | 21      |
|           |            | 36      | 0         | 20.1             | 19.95            | 19.94            | 21      |
|           |            | 36      | 18        | 20.05            | 19.96            | 19.89            | 21      |
|           |            | 36      | 39        | 19.97            | 19.93            | 19.9             | 21      |
|           |            | 75      | 0         | 19.95            | 19.93            | 19.87            | 21      |
|           | 64QAM      | 1       | 0         | 20.13            | 20.08            | 19.91            | 21      |
|           |            | 1       | 38        | 20.24            | 20.06            | 20.12            | 21      |
|           |            | 1       | 74        | 20.22            | 20.09            | 20.09            | 21      |
|           |            | 36      | 0         | 19.98            | 19.85            | 19.79            | 21      |
|           |            | 36      | 18        | 19.81            | 19.96            | 19.87            | 21      |
|           |            | 36      | 39        | 19.96            | 19.81            | 19.77            | 21      |
|           |            | 75      | 0         | 19.88            | 19.83            | 19.7             | 21      |

| LTE Band 26 Receiver off (body or limbs) + hotspot 5G |            |         |           | Conducted Power(dBm) |                  |                  |         |
|---|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel<br>26697     | Channel<br>26865 | Channel<br>27033 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 18.1                 | 17.99            | 17.89            | 19      |
|   |            | 1       | 2         | 17.6                 | 17.46            | 17.45            | 19      |
|   |            | 1       | 5         | 18.05                | 17.99            | 17.86            | 19      |
|   |            | 3       | 0         | 18.1                 | 17.81            | 17.83            | 19      |
|   |            | 3       | 2         | 17.8                 | 17.82            | 17.65            | 19      |
|   |            | 3       | 3         | 17.77                | 17.65            | 17.7             | 19      |
|   |            | 6       | 0         | 17.98                | 17.86            | 17.81            | 19      |
|   | 16QAM      | 1       | 0         | 18.37                | 18.22            | 18.09            | 19      |
|   |            | 1       | 2         | 18.24                | 18.03            | 18.02            | 19      |
|   |            | 1       | 5         | 18.36                | 18.26            | 18.1             | 19      |
|   |            | 3       | 0         | 18.12                | 18.06            | 17.86            | 19      |
|   |            | 3       | 2         | 18.06                | 17.83            | 17.63            | 19      |
|   |            | 3       | 3         | 18.1                 | 17.94            | 17.72            | 19      |

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|           | 64QAM      | 6       | 0         | 17.98            | 17.95            | 17.72            | 19      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 0         | 18.05            | 17.97            | 17.87            | 19      |
|           |            | 1       | 2         | 18.2             | 18.02            | 18.06            | 19      |
|           |            | 1       | 5         | 18.19            | 18.02            | 18.04            | 19      |
|           |            | 3       | 0         | 17.88            | 17.74            | 17.77            | 19      |
|           |            | 3       | 2         | 17.74            | 17.86            | 17.8             | 19      |
|           |            | 3       | 3         | 17.87            | 17.7             | 17.68            | 19      |
|           |            | 6       | 0         | 17.8             | 17.75            | 17.65            | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26705 | Channel<br>26865 | Channel<br>27025 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 18.11            | 18.02            | 17.92            | 19      |
|           |            | 1       | 7         | 17.59            | 17.64            | 17.71            | 19      |
|           |            | 1       | 14        | 18.06            | 17.98            | 17.84            | 19      |
|           |            | 8       | 0         | 18.05            | 17.93            | 17.8             | 19      |
|           |            | 8       | 4         | 17.99            | 17.92            | 17.83            | 19      |
|           |            | 8       | 7         | 17.98            | 17.96            | 17.82            | 19      |
|           |            | 15      | 0         | 18.02            | 17.98            | 17.86            | 19      |
|           | 16QAM      | 1       | 0         | 18.31            | 18.22            | 18.12            | 19      |
|           |            | 1       | 7         | 17.77            | 17.87            | 17.69            | 19      |
|           |            | 1       | 14        | 18.28            | 18.27            | 18.08            | 19      |
|           |            | 8       | 0         | 17.96            | 17.9             | 17.85            | 19      |
|           |            | 8       | 4         | 17.98            | 17.81            | 17.85            | 19      |
|           |            | 8       | 7         | 18.05            | 17.99            | 17.83            | 19      |
|           |            | 15      | 0         | 18.04            | 17.97            | 17.82            | 19      |
|           | 64QAM      | 1       | 0         | 18.12            | 18.03            | 17.8             | 19      |
|           |            | 1       | 7         | 18.13            | 17.95            | 18.01            | 19      |
|           |            | 1       | 14        | 18.2             | 18.07            | 18.07            | 19      |
|           |            | 8       | 0         | 17.89            | 17.81            | 17.77            | 19      |
|           |            | 8       | 4         | 17.74            | 17.89            | 17.85            | 19      |
|           |            | 8       | 7         | 17.88            | 17.75            | 17.75            | 19      |
|           |            | 15      | 0         | 17.82            | 17.74            | 17.62            | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26715 | Channel<br>26865 | Channel<br>27015 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 18.12            | 18.04            | 17.92            | 19      |
|           |            | 1       | 13        | 18.07            | 18.02            | 17.92            | 19      |
|           |            | 1       | 24        | 18.08            | 18.01            | 17.86            | 19      |
|           |            | 12      | 0         | 18.13            | 18.02            | 17.92            | 19      |
|           |            | 12      | 6         | 18.09            | 18.03            | 17.9             | 19      |
|           |            | 12      | 13        | 18.12            | 18.06            | 17.95            | 19      |
|           |            | 25      | 0         | 18.07            | 18.04            | 17.89            | 19      |
|           | 16QAM      | 1       | 0         | 18.33            | 18.34            | 18.17            | 19      |
|           |            | 1       | 13        | 18.29            | 18.14            | 18.15            | 19      |
|           |            | 1       | 24        | 18.28            | 18.22            | 18.22            | 19      |
|           |            | 12      | 0         | 18.08            | 17.98            | 17.96            | 19      |
|           |            | 12      | 6         | 18.02            | 17.85            | 17.88            | 19      |
|           |            | 12      | 13        | 18.1             | 17.99            | 17.89            | 19      |
|           |            | 25      | 0         | 18.02            | 17.95            | 17.82            | 19      |

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|           | 64QAM      | 1       | 0         | 18.12            | 17.96            | 17.9             | 19      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 13        | 18.18            | 18.04            | 18.07            | 19      |
|           |            | 1       | 24        | 18.19            | 18               | 18               | 19      |
|           |            | 12      | 0         | 17.94            | 17.81            | 17.7             | 19      |
|           |            | 12      | 6         | 17.73            | 17.85            | 17.83            | 19      |
|           |            | 12      | 13        | 17.9             | 17.77            | 17.68            | 19      |
|           |            | 25      | 0         | 17.88            | 17.82            | 17.62            | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26750 | Channel<br>26865 | Channel<br>26990 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 18.09            | 18.01            | 17.97            | 19      |
|           |            | 1       | 25        | 17.88            | 17.85            | 17.52            | 19      |
|           |            | 1       | 49        | 18.03            | 17.96            | 17.9             | 19      |
|           |            | 25      | 0         | 18.1             | 18               | 17.95            | 19      |
|           |            | 25      | 13        | 18.03            | 18.03            | 17.96            | 19      |
|           |            | 25      | 25        | 18.01            | 17.99            | 17.9             | 19      |
|           |            | 50      | 0         | 18.05            | 18.03            | 17.93            | 19      |
|           | 16QAM      | 1       | 0         | 18.29            | 18.24            | 18.23            | 19      |
|           |            | 1       | 25        | 18.09            | 18.25            | 17.94            | 19      |
|           |            | 1       | 49        | 18.31            | 18.31            | 18.14            | 19      |
|           |            | 25      | 0         | 18.05            | 17.99            | 17.87            | 19      |
|           |            | 25      | 13        | 18.01            | 17.97            | 17.86            | 19      |
|           |            | 25      | 25        | 17.99            | 17.91            | 17.85            | 19      |
|           |            | 50      | 0         | 18               | 17.95            | 17.87            | 19      |
|           | 64QAM      | 1       | 0         | 18.03            | 18               | 17.79            | 19      |
|           |            | 1       | 25        | 18.17            | 17.98            | 18.02            | 19      |
|           |            | 1       | 49        | 18.22            | 18.03            | 18.01            | 19      |
|           |            | 25      | 0         | 17.87            | 17.78            | 17.71            | 19      |
|           |            | 25      | 13        | 17.75            | 17.84            | 17.79            | 19      |
|           |            | 25      | 25        | 17.88            | 17.79            | 17.72            | 19      |
|           |            | 50      | 0         | 17.79            | 17.78            | 17.59            | 19      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26775 | Channel<br>26865 | Channel<br>26965 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 18.07            | 17.96            | 17.99            | 19      |
|           |            | 1       | 38        | 18.04            | 18.02            | 17.96            | 19      |
|           |            | 1       | 74        | 17.97            | 17.87            | 17.85            | 19      |
|           |            | 36      | 0         | 18.1             | 18.09            | 17.97            | 19      |
|           |            | 36      | 18        | 18.06            | 18               | 17.93            | 19      |
|           |            | 36      | 39        | 18.09            | 17.98            | 17.94            | 19      |
|           |            | 75      | 0         | 18.06            | 18.06            | 18               | 19      |
|           | 16QAM      | 1       | 0         | 18.34            | 18.28            | 18.24            | 19      |
|           |            | 1       | 38        | 18.33            | 18.35            | 18.23            | 19      |
|           |            | 1       | 74        | 18.22            | 18.24            | 18.11            | 19      |
|           |            | 36      | 0         | 18.1             | 18.01            | 17.98            | 19      |
|           |            | 36      | 18        | 18               | 17.99            | 17.86            | 19      |
|           |            | 36      | 39        | 18.01            | 17.93            | 17.85            | 19      |
|           |            | 75      | 0         | 17.99            | 17.97            | 17.9             | 19      |
|           | 64QAM      | 1       | 0         | 18.12            | 18.02            | 17.86            | 19      |

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|  |  |    |    |       |       |       |    |
|--|--|----|----|-------|-------|-------|----|
|  |  | 1  | 38 | 18.2  | 18.05 | 18.01 | 19 |
|  |  | 1  | 74 | 18.11 | 18    | 18.04 | 19 |
|  |  | 36 | 0  | 17.97 | 17.84 | 17.73 | 19 |
|  |  | 36 | 18 | 17.76 | 17.85 | 17.83 | 19 |
|  |  | 36 | 39 | 17.94 | 17.77 | 17.72 | 19 |
|  |  | 75 | 0  | 17.83 | 17.83 | 17.7  | 19 |

| LTE Band 26 Receiver on(Left head) + hotspot<br>2.4G |            |            |              | Conducted Power(dBm) |                  |                  |         |
|--|------------|------------|--------------|----------------------|------------------|------------------|---------|
| Bandwidth  | Modulation | RB<br>size | RB<br>offset | Channel<br>26697     | Channel<br>26865 | Channel<br>27033 | Tune up |
| 1.4MHz   | QPSK       | 1          | 0            | 15.59                | 15.57            | 15.41            | 16.5    |
|  |            | 1          | 2            | 15.38                | 15.32            | 15.62            | 16.5    |
|  |            | 1          | 5            | 15.58                | 15.39            | 15.41            | 16.5    |
|  |            | 3          | 0            | 15.47                | 14.8             | 14.91            | 16.5    |
|  |            | 3          | 2            | 15.5                 | 15.47            | 15.17            | 16.5    |
|  |            | 3          | 3            | 15.15                | 15.31            | 15.39            | 16.5    |
|  |            | 6          | 0            | 15.39                | 15.54            | 15.27            | 16.5    |
|  | 16QAM      | 1          | 0            | 15.78                | 15.94            | 15.06            | 16.5    |
|  |            | 1          | 2            | 15.69                | 15.47            | 15.63            | 16.5    |
|  |            | 1          | 5            | 15.55                | 15.91            | 15.89            | 16.5    |
|  |            | 3          | 0            | 15.41                | 15.2             | 15.17            | 16.5    |
|  |            | 3          | 2            | 15.54                | 15.46            | 14.37            | 16.5    |
|  |            | 3          | 3            | 15.42                | 15.23            | 15.24            | 16.5    |
|  |            | 6          | 0            | 15.4                 | 15.17            | 15.15            | 16.5    |
|  | 64QAM      | 1          | 0            | 15.48                | 15.38            | 15.36            | 16.5    |
|  |            | 1          | 2            | 15.63                | 15.48            | 15.55            | 16.5    |
|  |            | 1          | 5            | 15.66                | 15.51            | 15.44            | 16.5    |
|  |            | 3          | 0            | 15.37                | 15.18            | 15.24            | 16.5    |
|  |            | 3          | 2            | 15.2                 | 15.27            | 15.21            | 16.5    |
|  |            | 3          | 3            | 15.34                | 15.13            | 15.15            | 16.5    |
|  |            | 6          | 0            | 15.21                | 15.22            | 15.11            | 16.5    |
| Bandwidth  | Modulation | RB<br>size | RB<br>offset | Channel<br>26705     | Channel<br>26865 | Channel<br>27025 | Tune up |
| 3MHz   | QPSK       | 1          | 0            | 15.56                | 15.4             | 15.24            | 16.5    |
|  |            | 1          | 7            | 15.83                | 14.86            | 14.51            | 16.5    |
|  |            | 1          | 14           | 15.37                | 15.51            | 15.24            | 16.5    |
|  |            | 8          | 0            | 15.49                | 15.23            | 15.28            | 16.5    |
|  |            | 8          | 4            | 15.35                | 15.37            | 15.27            | 16.5    |
|  |            | 8          | 7            | 15.56                | 15.46            | 15.02            | 16.5    |
|  |            | 15         | 0            | 15.52                | 15.38            | 15.27            | 16.5    |
|  | 16QAM      | 1          | 0            | 15.59                | 15.68            | 15.77            | 16.5    |
|  |            | 1          | 7            | 15.32                | 14.57            | 15.61            | 16.5    |
|  |            | 1          | 14           | 15.34                | 15.51            | 15.61            | 16.5    |
|  |            | 8          | 0            | 15.15                | 15.44            | 14.94            | 16.5    |
|  |            | 8          | 4            | 15.4                 | 15.52            | 15.15            | 16.5    |

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|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 15.63   | 15.36   | 14.96   | 16.5    |
|           |            | 15      | 0         | 15.4    | 15.43   | 15.17   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.45   | 15.36   | 15.28   | 16.5    |
|           |            | 1       | 7         | 15.68   | 15.42   | 15.51   | 16.5    |
|           |            | 1       | 14        | 15.59   | 15.49   | 15.49   | 16.5    |
|           |            | 8       | 0         | 15.32   | 15.13   | 15.27   | 16.5    |
|           |            | 8       | 4         | 15.17   | 15.33   | 15.25   | 16.5    |
|           |            | 8       | 7         | 15.27   | 15.18   | 15.1    | 16.5    |
|           |            | 15      | 0         | 15.3    | 15.14   | 15.12   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 15.55   | 15.49   | 15.29   | 16.5    |
|           |            | 1       | 13        | 15.54   | 15.33   | 15.31   | 16.5    |
|           |            | 1       | 24        | 15.51   | 15.34   | 15.31   | 16.5    |
|           |            | 12      | 0         | 15.53   | 15.49   | 15.42   | 16.5    |
|           |            | 12      | 6         | 15.47   | 15.45   | 15.36   | 16.5    |
|           |            | 12      | 13        | 15.47   | 15.51   | 15.38   | 16.5    |
|           |            | 25      | 0         | 15.42   | 15.51   | 15.34   | 16.5    |
|           | 16QAM      | 1       | 0         | 15.97   | 15.88   | 15.15   | 16.5    |
|           |            | 1       | 13        | 15.57   | 15.72   | 15.37   | 16.5    |
|           |            | 1       | 24        | 15.51   | 15.63   | 15.7    | 16.5    |
|           |            | 12      | 0         | 15.48   | 15.47   | 15.31   | 16.5    |
|           |            | 12      | 6         | 15.58   | 15.32   | 15.29   | 16.5    |
|           |            | 12      | 13        | 15.6    | 15.31   | 15.38   | 16.5    |
|           |            | 25      | 0         | 15.5    | 15.37   | 15.32   | 16.5    |
|           | 64QAM      | 1       | 0         | 15.5    | 15.38   | 15.3    | 16.5    |
|           |            | 1       | 13        | 15.62   | 15.51   | 15.53   | 16.5    |
|           |            | 1       | 24        | 15.66   | 15.47   | 15.44   | 16.5    |
|           |            | 12      | 0         | 15.3    | 15.22   | 15.24   | 16.5    |
|           |            | 12      | 6         | 15.21   | 15.32   | 15.26   | 16.5    |
|           |            | 12      | 13        | 15.31   | 15.17   | 15.07   | 16.5    |
|           |            | 25      | 0         | 15.19   | 15.21   | 15.11   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26750   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 15.53   | 15.42   | 15.34   | 16.5    |
|           |            | 1       | 25        | 15.01   | 15.18   | 15.41   | 16.5    |
|           |            | 1       | 49        | 15.43   | 15.32   | 15.34   | 16.5    |
|           |            | 25      | 0         | 15.5    | 15.47   | 15.34   | 16.5    |
|           |            | 25      | 13        | 15.47   | 15.45   | 15.33   | 16.5    |
|           |            | 25      | 25        | 15.44   | 15.31   | 15.36   | 16.5    |
|           |            | 50      | 0         | 15.54   | 15.47   | 15.27   | 16.5    |
|           | 16QAM      | 1       | 0         | 15.45   | 15.77   | 15.65   | 16.5    |
|           |            | 1       | 25        | 15.26   | 15.97   | 15.99   | 16.5    |
|           |            | 1       | 49        | 15.8    | 15.73   | 15.65   | 16.5    |
|           |            | 25      | 0         | 15.42   | 15.33   | 15.32   | 16.5    |
|           |            | 25      | 13        | 15.4    | 15.28   | 15.23   | 16.5    |
|           |            | 25      | 25        | 15.31   | 15.14   | 15.26   | 16.5    |

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|           | 64QAM      | 50      | 0         | 15.36   | 15.38   | 15.23   | 16.5    |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 15.54   | 15.43   | 15.3    | 16.5    |
|           |            | 1       | 25        | 15.6    | 15.46   | 15.52   | 16.5    |
|           |            | 1       | 49        | 15.65   | 15.42   | 15.53   | 16.5    |
|           |            | 25      | 0         | 15.29   | 15.23   | 15.18   | 16.5    |
|           |            | 25      | 13        | 15.23   | 15.33   | 15.26   | 16.5    |
|           |            | 25      | 25        | 15.34   | 15.19   | 15.14   | 16.5    |
|           |            | 50      | 0         | 15.3    | 15.25   | 15.13   | 16.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26775   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.39   | 15.41   | 15.32   | 16.5    |
|           |            | 1       | 38        | 15.4    | 15.32   | 15.38   | 16.5    |
|           |            | 1       | 74        | 15.35   | 15.24   | 15.25   | 16.5    |
|           |            | 36      | 0         | 15.49   | 15.57   | 15.45   | 16.5    |
|           |            | 36      | 18        | 15.51   | 15.45   | 15.37   | 16.5    |
|           |            | 36      | 39        | 15.44   | 15.47   | 15.43   | 16.5    |
|           |            | 75      | 0         | 15.43   | 15.42   | 15.36   | 16.5    |
|           |            | 1       | 0         | 15.91   | 15.45   | 15.65   | 16.5    |
|           | 16QAM      | 1       | 38        | 15.72   | 15.71   | 15.63   | 16.5    |
|           |            | 1       | 74        | 15.37   | 15.53   | 15.2    | 16.5    |
|           |            | 36      | 0         | 15.4    | 15.44   | 15.34   | 16.5    |
|           |            | 36      | 18        | 15.42   | 15.39   | 15.31   | 16.5    |
|           |            | 36      | 39        | 15.45   | 15.21   | 15.31   | 16.5    |
|           |            | 75      | 0         | 15.34   | 15.32   | 15.23   | 16.5    |
|           |            | 1       | 0         | 15.45   | 15.44   | 15.32   | 16.5    |
|           |            | 1       | 38        | 15.61   | 15.51   | 15.55   | 16.5    |
|           | 64QAM      | 1       | 74        | 15.66   | 15.42   | 15.5    | 16.5    |
|           |            | 36      | 0         | 15.36   | 15.19   | 15.23   | 16.5    |
|           |            | 36      | 18        | 15.13   | 15.25   | 15.26   | 16.5    |
|           |            | 36      | 39        | 15.36   | 15.1    | 15.17   | 16.5    |
|           |            | 75      | 0         | 15.22   | 15.24   | 15.14   | 16.5    |

| LTE Band 26 Receiver on(Right head) + hotspot 2.4G |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz   | QPSK       | 1       | 0         | 16.1                 | 15.86   | 15.8    | 17      |
|  |            | 1       | 2         | 15.48                | 15.14   | 14.65   | 17      |
|  |            | 1       | 5         | 15.99                | 15.97   | 15.83   | 17      |
|  |            | 3       | 0         | 15.83                | 15.83   | 15.61   | 17      |
|  |            | 3       | 2         | 15.92                | 16.16   | 15.87   | 17      |
|  |            | 3       | 3         | 15.96                | 15.7    | 15.46   | 17      |
|  |            | 6       | 0         | 15.99                | 15.9    | 15.2    | 17      |
|  |            | 1       | 0         | 16.43                | 16.15   | 16.14   | 17      |
|  | 16QAM      | 1       | 2         | 16.22                | 15.8    | 15.74   | 17      |
|  |            | 1       | 5         | 15.98                | 15.69   | 15.77   | 17      |

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|           |            | 3       | 0         | 16.02   | 16.04   | 15.87   | 17      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 2         | 15.66   | 15.91   | 15.87   | 17      |
|           |            | 3       | 3         | 15.68   | 15.72   | 15.98   | 17      |
|           |            | 6       | 0         | 16.05   | 16      | 15.89   | 17      |
|           | 64QAM      | 1       | 0         | 15.92   | 15.89   | 15.76   | 17      |
|           |            | 1       | 2         | 16.03   | 15.98   | 15.96   | 17      |
|           |            | 1       | 5         | 16.08   | 15.9    | 15.96   | 17      |
|           |            | 3       | 0         | 15.82   | 15.68   | 15.69   | 17      |
|           |            | 3       | 2         | 15.63   | 15.71   | 15.74   | 17      |
|           |            | 3       | 3         | 15.76   | 15.56   | 15.61   | 17      |
|           |            | 6       | 0         | 15.62   | 15.69   | 15.62   | 17      |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26705   | 26865   | 27025   |         |
| 3MHz      | QPSK       | 1       | 0         | 16      | 15.92   | 15.94   | 17      |
|           |            | 1       | 7         | 13.95   | 14.66   | 15.7    | 17      |
|           |            | 1       | 14        | 16.03   | 15.96   | 15.69   | 17      |
|           |            | 8       | 0         | 16.04   | 15.88   | 15.79   | 17      |
|           |            | 8       | 4         | 16.06   | 15.8    | 15.86   | 17      |
|           |            | 8       | 7         | 16.11   | 15.79   | 15.76   | 17      |
|           |            | 15      | 0         | 15.72   | 15.9    | 15.74   | 17      |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 16.5    | 16.52   | 16.16   | 17      |
|           |            | 1       | 7         | 16.11   | 16.01   | 14.71   | 17      |
|           |            | 1       | 14        | 16.3    | 16.24   | 15.86   | 17      |
|           |            | 8       | 0         | 15.98   | 15.9    | 15.8    | 17      |
|           |            | 8       | 4         | 15.99   | 15.87   | 15.75   | 17      |
|           |            | 8       | 7         | 15.94   | 16.08   | 15.85   | 17      |
|           |            | 15      | 0         | 15.8    | 15.81   | 15.8    | 17      |
|           |            |         |           |         |         |         |         |
|           | 64QAM      | 1       | 0         | 15.88   | 15.92   | 15.78   | 17      |
|           |            | 1       | 7         | 16.03   | 15.93   | 15.96   | 17      |
|           |            | 1       | 14        | 16.15   | 15.86   | 15.96   | 17      |
|           |            | 8       | 0         | 15.83   | 15.67   | 15.67   | 17      |
|           |            | 8       | 4         | 15.54   | 15.73   | 15.76   | 17      |
|           |            | 8       | 7         | 15.85   | 15.57   | 15.67   | 17      |
|           |            | 15      | 0         | 15.69   | 15.68   | 15.55   | 17      |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 16.06   | 15.93   | 15.89   | 17      |
|           |            | 1       | 13        | 16.01   | 15.81   | 15.91   | 17      |
|           |            | 1       | 24        | 15.98   | 15.87   | 15.66   | 17      |
|           |            | 12      | 0         | 16.1    | 15.91   | 15.95   | 17      |
|           |            | 12      | 6         | 15.73   | 15.87   | 15.68   | 17      |
|           |            | 12      | 13        | 16.03   | 15.93   | 15.79   | 17      |
|           |            | 25      | 0         | 15.99   | 15.92   | 15.85   | 17      |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 16.31   | 16.22   | 16.24   | 17      |
|           |            | 1       | 13        | 16.43   | 15.87   | 15.89   | 17      |
|           |            | 1       | 24        | 16.11   | 16.45   | 15.78   | 17      |
|           |            | 12      | 0         | 16.06   | 15.89   | 15.95   | 17      |

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|           | 64QAM      | 12      | 6         | 15.98   | 15.81   | 15.95   | 17      |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 13        | 16.02   | 15.95   | 15.81   | 17      |
|           |            | 25      | 0         | 15.96   | 15.82   | 15.95   | 17      |
|           |            | 1       | 0         | 15.89   | 15.91   | 15.81   | 17      |
|           |            | 1       | 13        | 16.05   | 15.99   | 16.02   | 17      |
|           |            | 1       | 24        | 16.11   | 15.85   | 15.96   | 17      |
|           |            | 12      | 0         | 15.81   | 15.6    | 15.66   | 17      |
|           |            | 12      | 6         | 15.56   | 15.73   | 15.68   | 17      |
|           |            | 12      | 13        | 15.78   | 15.52   | 15.59   | 17      |
|           |            | 25      | 0         | 15.7    | 15.66   | 15.6    | 17      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26750   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 15.97   | 15.93   | 15.81   | 17      |
|           |            | 1       | 25        | 15.36   | 14.65   | 15.28   | 17      |
|           |            | 1       | 49        | 15.95   | 15.86   | 15.76   | 17      |
|           |            | 25      | 0         | 15.96   | 16.02   | 15.79   | 17      |
|           |            | 25      | 13        | 15.92   | 16      | 15.89   | 17      |
|           |            | 25      | 25        | 15.88   | 15.86   | 15.88   | 17      |
|           |            | 50      | 0         | 15.99   | 15.9    | 15.72   | 17      |
|           |            | 50      | 13        | 15.99   | 15.9    | 15.72   | 17      |
|           | 16QAM      | 1       | 0         | 16.31   | 16.23   | 16.09   | 17      |
|           |            | 1       | 25        | 16.33   | 16.42   | 15.59   | 17      |
|           |            | 1       | 49        | 16.27   | 16.11   | 16.08   | 17      |
|           |            | 25      | 0         | 15.98   | 15.84   | 15.83   | 17      |
|           |            | 25      | 13        | 15.96   | 15.84   | 15.84   | 17      |
|           |            | 25      | 25        | 15.86   | 15.97   | 15.87   | 17      |
|           |            | 50      | 0         | 15.84   | 15.95   | 15.79   | 17      |
|           |            | 50      | 13        | 15.84   | 15.95   | 15.79   | 17      |
|           | 64QAM      | 1       | 0         | 15.88   | 15.93   | 15.82   | 17      |
|           |            | 1       | 25        | 16.1    | 15.96   | 16.02   | 17      |
|           |            | 1       | 49        | 16.16   | 15.92   | 15.93   | 17      |
|           |            | 25      | 0         | 15.84   | 15.64   | 15.71   | 17      |
|           |            | 25      | 13        | 15.55   | 15.7    | 15.73   | 17      |
|           |            | 25      | 25        | 15.82   | 15.59   | 15.65   | 17      |
|           |            | 50      | 0         | 15.63   | 15.72   | 15.58   | 17      |
|           |            | 50      | 13        | 15.63   | 15.72   | 15.58   | 17      |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26775   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.86   | 15.99   | 15.98   | 17      |
|           |            | 1       | 38        | 15.9    | 15.91   | 15.94   | 17      |
|           |            | 1       | 74        | 15.85   | 15.79   | 15.72   | 17      |
|           |            | 36      | 0         | 16.02   | 16.05   | 15.92   | 17      |
|           |            | 36      | 18        | 16.01   | 15.94   | 15.85   | 17      |
|           |            | 36      | 39        | 15.93   | 15.84   | 15.9    | 17      |
|           |            | 75      | 0         | 15.93   | 15.9    | 15.82   | 17      |
|           |            | 75      | 18        | 15.93   | 15.9    | 15.82   | 17      |
|           | 16QAM      | 1       | 0         | 16.02   | 16.17   | 16.11   | 17      |
|           |            | 1       | 38        | 16.02   | 15.93   | 16.16   | 17      |
|           |            | 1       | 74        | 15.77   | 16.17   | 15.99   | 17      |
|           |            | 36      | 0         | 16.05   | 15.93   | 15.81   | 17      |
|           |            | 36      | 18        | 15.75   | 15.83   | 15.77   | 17      |
|           |            | 36      | 39        | 15.75   | 15.83   | 15.77   | 17      |

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|  |       |    |    |       |       |       |    |
|--|-------|----|----|-------|-------|-------|----|
|  |       | 36 | 39 | 15.81 | 15.88 | 15.74 | 17 |
|  |       | 75 | 0  | 15.94 | 15.81 | 15.85 | 17 |
|  | 64QAM | 1  | 0  | 15.88 | 15.85 | 15.77 | 17 |
|  |       | 1  | 38 | 16.01 | 15.98 | 16.04 | 17 |
|  |       | 1  | 74 | 16.15 | 15.88 | 15.9  | 17 |
|  |       | 36 | 0  | 15.78 | 15.68 | 15.72 | 17 |
|  |       | 36 | 18 | 15.62 | 15.69 | 15.73 | 17 |
|  |       | 36 | 39 | 15.78 | 15.58 | 15.58 | 17 |
|  |       | 75 | 0  | 15.67 | 15.7  | 15.55 | 17 |

| LTE Band 26 Receiver on(Left head) + hotspot 5G |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz  | QPSK       | 1       | 0         | 13.51                | 13.34   | 13.33   | 14.5    |
|   |            | 1       | 2         | 13.49                | 13.06   | 12.95   | 14.5    |
|   |            | 1       | 5         | 13.48                | 13.41   | 13.35   | 14.5    |
|   |            | 3       | 0         | 13.31                | 13.07   | 12.99   | 14.5    |
|   |            | 3       | 2         | 13.41                | 13.4    | 13.28   | 14.5    |
|   |            | 3       | 3         | 13.35                | 13.07   | 13.1    | 14.5    |
|   |            | 6       | 0         | 13.42                | 13.39   | 13.32   | 14.5    |
|   | 16QAM      | 1       | 0         | 13.83                | 13.82   | 13.4    | 14.5    |
|   |            | 1       | 2         | 13.22                | 13.37   | 13.42   | 14.5    |
|   |            | 1       | 5         | 13.63                | 14.02   | 13.82   | 14.5    |
|   |            | 3       | 0         | 13.52                | 13.17   | 13.22   | 14.5    |
|   |            | 3       | 2         | 13.23                | 13.17   | 13.44   | 14.5    |
|   |            | 3       | 3         | 13.6                 | 13.19   | 12.94   | 14.5    |
|   |            | 6       | 0         | 13.42                | 13.46   | 13.41   | 14.5    |
|   | 64QAM      | 1       | 0         | 13.26                | 13.26   | 13.22   | 14.5    |
|   |            | 1       | 2         | 13.46                | 13.47   | 13.41   | 14.5    |
|   |            | 1       | 5         | 13.51                | 13.24   | 13.31   | 14.5    |
|   |            | 3       | 0         | 13.27                | 13.11   | 13.21   | 14.5    |
|   |            | 3       | 2         | 13.04                | 13.11   | 13.15   | 14.5    |
|   |            | 3       | 3         | 13.16                | 12.99   | 12.95   | 14.5    |
|   |            | 6       | 0         | 13.12                | 13.12   | 13.04   | 14.5    |
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 26705                | 26865   | 27025   |         |
| 3MHz  | QPSK       | 1       | 0         | 13.62                | 13.32   | 13.41   | 14.5    |
|   |            | 1       | 7         | 12.76                | 13.73   | 12.58   | 14.5    |
|   |            | 1       | 14        | 13.53                | 13.38   | 13.29   | 14.5    |
|   |            | 8       | 0         | 13.31                | 13.37   | 13.42   | 14.5    |
|   |            | 8       | 4         | 13.38                | 13.13   | 13.24   | 14.5    |
|   |            | 8       | 7         | 13.59                | 13.47   | 13.44   | 14.5    |
|   |            | 15      | 0         | 13.43                | 13.44   | 13.24   | 14.5    |
|   | 16QAM      | 1       | 0         | 14.08                | 13.26   | 13.64   | 14.5    |
|   |            | 1       | 7         | 12.61                | 13.58   | 13      | 14.5    |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 1              | 14               | 14.08                | 13.55                | 13.79                | 14.5           |
|                  |                   | 8              | 0                | 13.4                 | 13.55                | 13.23                | 14.5           |
|                  |                   | 8              | 4                | 13.61                | 13.46                | 13.37                | 14.5           |
|                  |                   | 8              | 7                | 13.5                 | 13.32                | 13.34                | 14.5           |
|                  |                   | 15             | 0                | 13.43                | 13.33                | 13.3                 | 14.5           |
|                  | 64QAM             | 1              | 0                | 13.36                | 13.33                | 13.19                | 14.5           |
|                  |                   | 1              | 7                | 13.43                | 13.41                | 13.48                | 14.5           |
|                  |                   | 1              | 14               | 13.51                | 13.35                | 13.4                 | 14.5           |
|                  |                   | 8              | 0                | 13.16                | 13.15                | 13.18                | 14.5           |
|                  |                   | 8              | 4                | 12.99                | 13.12                | 13.22                | 14.5           |
|                  |                   | 8              | 7                | 13.21                | 12.95                | 12.97                | 14.5           |
|                  |                   | 15             | 0                | 13.1                 | 13.09                | 13.04                | 14.5           |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 26715</b> | <b>Channel 26865</b> | <b>Channel 27015</b> | <b>Tune up</b> |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 13.51                | 13.5                 | 13.25                | 14.5           |
|                  |                   | 1              | 13               | 13.5                 | 13.49                | 13.31                | 14.5           |
|                  |                   | 1              | 24               | 13.58                | 13.43                | 13.37                | 14.5           |
|                  |                   | 12             | 0                | 13.62                | 13.51                | 13.33                | 14.5           |
|                  |                   | 12             | 6                | 13.43                | 13.33                | 13.3                 | 14.5           |
|                  |                   | 12             | 13               | 13.53                | 13.4                 | 13.3                 | 14.5           |
|                  |                   | 25             | 0                | 13.48                | 13.39                | 13.27                | 14.5           |
|                  | 16QAM             | 1              | 0                | 13.57                | 13.95                | 13.9                 | 14.5           |
|                  |                   | 1              | 13               | 13.69                | 13.61                | 13.38                | 14.5           |
|                  |                   | 1              | 24               | 13.56                | 13.73                | 13.88                | 14.5           |
|                  |                   | 12             | 0                | 13.55                | 13.3                 | 13.49                | 14.5           |
|                  |                   | 12             | 6                | 13.36                | 13.53                | 13.14                | 14.5           |
|                  |                   | 12             | 13               | 13.54                | 13.36                | 13.39                | 14.5           |
|                  |                   | 25             | 0                | 13.37                | 13.43                | 13.32                | 14.5           |
|                  | 64QAM             | 1              | 0                | 13.29                | 13.25                | 13.24                | 14.5           |
|                  |                   | 1              | 13               | 13.37                | 13.36                | 13.44                | 14.5           |
|                  |                   | 1              | 24               | 13.6                 | 13.28                | 13.37                | 14.5           |
|                  |                   | 12             | 0                | 13.26                | 13.14                | 13.16                | 14.5           |
|                  |                   | 12             | 6                | 13.07                | 13.14                | 13.22                | 14.5           |
|                  |                   | 12             | 13               | 13.23                | 12.98                | 12.97                | 14.5           |
|                  |                   | 25             | 0                | 13.11                | 13.11                | 13.04                | 14.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 26750</b> | <b>Channel 26865</b> | <b>Channel 26990</b> | <b>Tune up</b> |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 13.46                | 13.42                | 13.3                 | 14.5           |
|                  |                   | 1              | 25               | 12.83                | 13.12                | 12.85                | 14.5           |
|                  |                   | 1              | 49               | 13.42                | 13.36                | 13.27                | 14.5           |
|                  |                   | 25             | 0                | 13.61                | 13.48                | 13.41                | 14.5           |
|                  |                   | 25             | 13               | 13.55                | 13.32                | 13.37                | 14.5           |
|                  |                   | 25             | 25               | 13.49                | 13.33                | 13.28                | 14.5           |
|                  |                   | 50             | 0                | 13.37                | 13.37                | 13.32                | 14.5           |
|                  | 16QAM             | 1              | 0                | 14.03                | 14.02                | 13.5                 | 14.5           |
|                  |                   | 1              | 25               | 13.95                | 13.48                | 13.54                | 14.5           |
|                  |                   | 1              | 49               | 13.63                | 12.98                | 13.32                | 14.5           |

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|           |            | 25      | 0         | 13.39            | 13.44            | 13.3             | 14.5    |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 25      | 13        | 13.38            | 13.24            | 13.2             | 14.5    |
|           |            | 25      | 25        | 13.4             | 13.3             | 13.22            | 14.5    |
|           |            | 50      | 0         | 13.39            | 13.42            | 13.37            | 14.5    |
|           | 64QAM      | 1       | 0         | 13.24            | 13.35            | 13.16            | 14.5    |
|           |            | 1       | 25        | 13.36            | 13.35            | 13.43            | 14.5    |
|           |            | 1       | 49        | 13.62            | 13.37            | 13.38            | 14.5    |
|           |            | 25      | 0         | 13.16            | 13.08            | 13.21            | 14.5    |
|           |            | 25      | 13        | 13.06            | 13.18            | 13.1             | 14.5    |
|           |            | 25      | 25        | 13.16            | 13.06            | 12.98            | 14.5    |
|           |            | 50      | 0         | 13.14            | 13.09            | 13.02            | 14.5    |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
|           |            |         |           |                  |                  |                  |         |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26775 | Channel<br>26865 | Channel<br>26965 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 13.43            | 13.45            | 13.52            | 14.5    |
|           |            | 1       | 38        | 13.45            | 13.39            | 13.42            | 14.5    |
|           |            | 1       | 74        | 13.39            | 13.3             | 13.19            | 14.5    |
|           |            | 36      | 0         | 13.51            | 13.51            | 13.44            | 14.5    |
|           |            | 36      | 18        | 13.39            | 13.48            | 13.36            | 14.5    |
|           |            | 36      | 39        | 13.43            | 13.42            | 13.4             | 14.5    |
|           |            | 75      | 0         | 13.53            | 13.47            | 13.34            | 14.5    |
|           | 16QAM      | 1       | 0         | 13.97            | 13.35            | 13.65            | 14.5    |
|           |            | 1       | 38        | 13.1             | 13.6             | 13.65            | 14.5    |
|           |            | 1       | 74        | 13.6             | 13.39            | 13.1             | 14.5    |
|           |            | 36      | 0         | 13.55            | 13.39            | 13.35            | 14.5    |
|           |            | 36      | 18        | 13.38            | 13.39            | 13.38            | 14.5    |
|           |            | 36      | 39        | 13.36            | 13.4             | 13.33            | 14.5    |
|           |            | 75      | 0         | 13.39            | 13.36            | 13.36            | 14.5    |
|           | 64QAM      | 1       | 0         | 13.35            | 13.3             | 13.13            | 14.5    |
|           |            | 1       | 38        | 13.4             | 13.46            | 13.45            | 14.5    |
|           |            | 1       | 74        | 13.64            | 13.38            | 13.3             | 14.5    |
|           |            | 36      | 0         | 13.18            | 13.04            | 13.08            | 14.5    |
|           |            | 36      | 18        | 12.98            | 13.04            | 13.13            | 14.5    |
|           |            | 36      | 39        | 13.24            | 13.02            | 13.02            | 14.5    |
|           |            | 75      | 0         | 13.05            | 13.1             | 13.05            | 14.5    |

| LTE Band 26 Receiver on(Right head) + hotspot<br>5G |            |         |           | Conducted Power(dBm) |                  |                  |         |
|---|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel<br>26697     | Channel<br>26865 | Channel<br>27033 | Tune up |
| 1.4MHz  | QPSK       | 1       | 0         | 14.03                | 13.94            | 13.81            | 15      |
|   |            | 1       | 2         | 14.25                | 13.31            | 14.02            | 15      |
|   |            | 1       | 5         | 14.09                | 13.99            | 13.84            | 15      |
|   |            | 3       | 0         | 13.97                | 13.76            | 13.63            | 15      |
|   |            | 3       | 2         | 14.04                | 14.17            | 13.81            | 15      |
|   |            | 3       | 3         | 13.92                | 13.73            | 13.83            | 15      |
|   |            | 6       | 0         | 14.01                | 13.28            | 13.46            | 15      |

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|           | 16QAM      | 1       | 0         | 14.59            | 14.46            | 14.34            | 15      |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 2         | 14.27            | 13.83            | 14.1             | 15      |
|           |            | 1       | 5         | 14.33            | 13.93            | 14.24            | 15      |
|           |            | 3       | 0         | 14               | 13.78            | 13.68            | 15      |
|           |            | 3       | 2         | 13.79            | 13.54            | 13.81            | 15      |
|           |            | 3       | 3         | 13.89            | 13.88            | 14.08            | 15      |
|           |            | 6       | 0         | 14.06            | 13.81            | 13.87            | 15      |
|           | 64QAM      | 1       | 0         | 13.8             | 13.74            | 13.54            | 15      |
|           |            | 1       | 2         | 13.82            | 13.92            | 13.92            | 15      |
|           |            | 1       | 5         | 14.09            | 13.82            | 13.78            | 15      |
|           |            | 3       | 0         | 13.59            | 13.5             | 13.55            | 15      |
|           |            | 3       | 2         | 13.44            | 13.51            | 13.57            | 15      |
|           |            | 3       | 3         | 13.72            | 13.47            | 13.5             | 15      |
|           |            | 6       | 0         | 13.49            | 13.56            | 13.47            | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26705 | Channel<br>26865 | Channel<br>27025 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 13.96            | 13.95            | 13.83            | 15      |
|           |            | 1       | 7         | 13.6             | 12.62            | 12.15            | 15      |
|           |            | 1       | 14        | 14.05            | 13.78            | 13.7             | 15      |
|           |            | 8       | 0         | 13.67            | 13.81            | 13.4             | 15      |
|           |            | 8       | 4         | 13.91            | 13.81            | 13.76            | 15      |
|           |            | 8       | 7         | 13.76            | 13.9             | 13.81            | 15      |
|           |            | 15      | 0         | 13.95            | 13.88            | 13.89            | 15      |
|           | 16QAM      | 1       | 0         | 13.89            | 13.98            | 14.41            | 15      |
|           |            | 1       | 7         | 14.35            | 12.76            | 13.09            | 15      |
|           |            | 1       | 14        | 13.97            | 14.1             | 14.26            | 15      |
|           |            | 8       | 0         | 13.81            | 13.94            | 13.57            | 15      |
|           |            | 8       | 4         | 13.65            | 13.75            | 13.69            | 15      |
|           |            | 8       | 7         | 13.7             | 14.04            | 13.67            | 15      |
|           |            | 15      | 0         | 13.84            | 13.79            | 13.87            | 15      |
|           | 64QAM      | 1       | 0         | 13.76            | 13.78            | 13.6             | 15      |
|           |            | 1       | 7         | 13.85            | 13.94            | 13.87            | 15      |
|           |            | 1       | 14        | 14.12            | 13.84            | 13.73            | 15      |
|           |            | 8       | 0         | 13.66            | 13.48            | 13.49            | 15      |
|           |            | 8       | 4         | 13.41            | 13.44            | 13.54            | 15      |
|           |            | 8       | 7         | 13.65            | 13.47            | 13.5             | 15      |
|           |            | 15      | 0         | 13.54            | 13.51            | 13.48            | 15      |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26715 | Channel<br>26865 | Channel<br>27015 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 14.02            | 13.91            | 13.87            | 15      |
|           |            | 1       | 13        | 13.88            | 13.8             | 13.82            | 15      |
|           |            | 1       | 24        | 13.93            | 13.86            | 13.8             | 15      |
|           |            | 12      | 0         | 14.06            | 14.01            | 13.91            | 15      |
|           |            | 12      | 6         | 14               | 13.93            | 13.73            | 15      |
|           |            | 12      | 13        | 13.99            | 14.01            | 13.88            | 15      |
|           |            | 25      | 0         | 13.91            | 14               | 13.84            | 15      |
|           | 16QAM      | 1       | 0         | 14.3             | 14.4             | 14.33            | 15      |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 1              | 13               | 14.57                | 14.22                | 14.15                | 15             |
|                  |                   | 1              | 24               | 14.34                | 14.14                | 14.01                | 15             |
|                  |                   | 12             | 0                | 14.05                | 13.9                 | 13.88                | 15             |
|                  |                   | 12             | 6                | 14.13                | 13.93                | 13.9                 | 15             |
|                  |                   | 12             | 13               | 14.05                | 13.84                | 13.85                | 15             |
|                  |                   | 25             | 0                | 14                   | 14.02                | 13.68                | 15             |
|                  | 64QAM             | 1              | 0                | 13.83                | 13.77                | 13.62                | 15             |
|                  |                   | 1              | 13               | 13.82                | 13.88                | 13.85                | 15             |
|                  |                   | 1              | 24               | 14.1                 | 13.82                | 13.8                 | 15             |
|                  |                   | 12             | 0                | 13.62                | 13.47                | 13.5                 | 15             |
|                  |                   | 12             | 6                | 13.39                | 13.47                | 13.55                | 15             |
|                  |                   | 12             | 13               | 13.7                 | 13.47                | 13.46                | 15             |
|                  |                   | 25             | 0                | 13.54                | 13.57                | 13.5                 | 15             |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 26750</b> | <b>Channel 26865</b> | <b>Channel 26990</b> | <b>Tune up</b> |
| <b>10MHz</b>     | QPSK              | 1              | 0                | 14.02                | 13.89                | 13.83                | 15             |
|                  |                   | 1              | 25               | 14.36                | 13.4                 | 13.02                | 15             |
|                  |                   | 1              | 49               | 13.87                | 13.81                | 13.72                | 15             |
|                  |                   | 25             | 0                | 14.05                | 13.94                | 13.85                | 15             |
|                  |                   | 25             | 13               | 13.98                | 13.93                | 13.84                | 15             |
|                  |                   | 25             | 25               | 13.97                | 13.93                | 13.85                | 15             |
|                  |                   | 50             | 0                | 13.94                | 13.84                | 13.8                 | 15             |
|                  | 16QAM             | 1              | 0                | 14.35                | 14.35                | 14.23                | 15             |
|                  |                   | 1              | 25               | 14.42                | 14.56                | 13.8                 | 15             |
|                  |                   | 1              | 49               | 13.89                | 13.97                | 14.22                | 15             |
|                  |                   | 25             | 0                | 14.01                | 13.85                | 13.79                | 15             |
|                  |                   | 25             | 13               | 13.74                | 13.86                | 13.62                | 15             |
|                  |                   | 25             | 25               | 13.83                | 13.68                | 13.73                | 15             |
|                  |                   | 50             | 0                | 13.84                | 13.79                | 13.79                | 15             |
|                  | 64QAM             | 1              | 0                | 13.83                | 13.75                | 13.62                | 15             |
|                  |                   | 1              | 25               | 13.84                | 13.88                | 13.88                | 15             |
|                  |                   | 1              | 49               | 14.1                 | 13.83                | 13.77                | 15             |
|                  |                   | 25             | 0                | 13.59                | 13.51                | 13.53                | 15             |
|                  |                   | 25             | 13               | 13.41                | 13.53                | 13.6                 | 15             |
|                  |                   | 25             | 25               | 13.65                | 13.43                | 13.46                | 15             |
|                  |                   | 50             | 0                | 13.5                 | 13.56                | 13.49                | 15             |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 26775</b> | <b>Channel 26865</b> | <b>Channel 26965</b> | <b>Tune up</b> |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 13.95                | 13.84                | 13.81                | 15             |
|                  |                   | 1              | 38               | 13.91                | 13.92                | 13.83                | 15             |
|                  |                   | 1              | 74               | 13.95                | 13.76                | 13.8                 | 15             |
|                  |                   | 36             | 0                | 14.06                | 13.97                | 13.85                | 15             |
|                  |                   | 36             | 18               | 13.94                | 13.96                | 13.78                | 15             |
|                  |                   | 36             | 39               | 13.98                | 13.89                | 13.83                | 15             |
|                  |                   | 75             | 0                | 13.86                | 13.94                | 13.88                | 15             |
|                  | 16QAM             | 1              | 0                | 14.07                | 13.97                | 13.9                 | 15             |
|                  |                   | 1              | 38               | 14.23                | 14.14                | 13.98                | 15             |

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|  |       |    |    |       |       |       |    |
|--|-------|----|----|-------|-------|-------|----|
|  |       | 1  | 74 | 14.2  | 14.05 | 13.66 | 15 |
|  |       | 36 | 0  | 13.96 | 13.87 | 13.88 | 15 |
|  |       | 36 | 18 | 14    | 14.06 | 13.83 | 15 |
|  |       | 36 | 39 | 13.93 | 13.8  | 13.9  | 15 |
|  |       | 75 | 0  | 13.93 | 13.85 | 13.81 | 15 |
|  | 64QAM | 1  | 0  | 13.8  | 13.72 | 13.61 | 15 |
|  |       | 1  | 38 | 13.86 | 13.88 | 13.92 | 15 |
|  |       | 1  | 74 | 14.05 | 13.83 | 13.78 | 15 |
|  |       | 36 | 0  | 13.6  | 13.46 | 13.54 | 15 |
|  |       | 36 | 18 | 13.4  | 13.5  | 13.61 | 15 |
|  |       | 36 | 39 | 13.74 | 13.47 | 13.5  | 15 |
|  |       | 75 | 0  | 13.5  | 13.54 | 13.48 | 15 |

| LTE Band 26 Receiver on(Left head) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|---|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|   |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                                  | QPSK       | 1       | 0         | 16.56                | 16.48   | 16.28   | 17.5    |
|   |            | 1       | 2         | 16.06                | 16.75   | 16.51   | 17.5    |
|   |            | 1       | 5         | 16.41                | 16.41   | 16.29   | 17.5    |
|   |            | 3       | 0         | 16.4                 | 16.16   | 16.38   | 17.5    |
|   |            | 3       | 2         | 16.65                | 16.04   | 15.96   | 17.5    |
|   |            | 3       | 3         | 16.56                | 16.38   | 16.35   | 17.5    |
|   |            | 6       | 0         | 16.13                | 16.54   | 16.28   | 17.5    |
|   | 16QAM      | 1       | 0         | 16.8                 | 16.29   | 16.79   | 17.5    |
|   |            | 1       | 2         | 16.34                | 16.72   | 16.65   | 17.5    |
|   |            | 1       | 5         | 16.5                 | 16.21   | 16.58   | 17.5    |
|   |            | 3       | 0         | 16.44                | 16.38   | 16.05   | 17.5    |
|   |            | 3       | 2         | 16.38                | 16.54   | 16.06   | 17.5    |
|   |            | 3       | 3         | 16.58                | 16.57   | 15.93   | 17.5    |
|   |            | 6       | 0         | 16.73                | 16.24   | 16.1    | 17.5    |
|   | 64QAM      | 1       | 0         | 16.22                | 16.17   | 16      | 17.5    |
|   |            | 1       | 2         | 16.31                | 16.39   | 16.39   | 17.5    |
|   |            | 1       | 5         | 16.58                | 16.31   | 16.21   | 17.5    |
|   |            | 3       | 0         | 16.07                | 15.94   | 16      | 17.5    |
|   |            | 3       | 2         | 15.9                 | 15.94   | 16      | 17.5    |
|   |            | 3       | 3         | 16.19                | 15.96   | 15.99   | 17.5    |
|   |            | 6       | 0         | 15.94                | 15.99   | 15.96   | 17.5    |
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                                    | QPSK       | 1       | 0         | 16.61                | 16.39   | 16.39   | 17.5    |
|   |            | 1       | 7         | 16.12                | 15.96   | 15.59   | 17.5    |
|   |            | 1       | 14        | 16.58                | 16.39   | 16.35   | 17.5    |
|   |            | 8       | 0         | 16.46                | 16.43   | 15.98   | 17.5    |
|   |            | 8       | 4         | 16.61                | 16.46   | 16.14   | 17.5    |
|   |            | 8       | 7         | 16.54                | 16.57   | 16.16   | 17.5    |
|   |            | 8       | 7         | 16.54                | 16.57   | 16.16   | 17.5    |

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|           | 16QAM      | 15      | 0         | 16.49            | 16.47            | 16.36            | 17.5    |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 0         | 16.83            | 16.34            | 16.63            | 17.5    |
|           |            | 1       | 7         | 17.08            | 15.83            | 16.17            | 17.5    |
|           |            | 1       | 14        | 16.89            | 16.81            | 16.51            | 17.5    |
|           |            | 8       | 0         | 16.37            | 16.16            | 16.26            | 17.5    |
|           |            | 8       | 4         | 16.49            | 16.3             | 16.25            | 17.5    |
|           |            | 8       | 7         | 16.35            | 16.36            | 16.16            | 17.5    |
|           |            | 15      | 0         | 16.42            | 16.33            | 16.44            | 17.5    |
|           | 64QAM      | 1       | 0         | 16.21            | 16.2             | 15.97            | 17.5    |
|           |            | 1       | 7         | 16.29            | 16.4             | 16.41            | 17.5    |
|           |            | 1       | 14        | 16.51            | 16.29            | 16.21            | 17.5    |
|           |            | 8       | 0         | 16.07            | 15.9             | 15.96            | 17.5    |
|           |            | 8       | 4         | 15.93            | 15.97            | 16.04            | 17.5    |
|           |            | 8       | 7         | 16.15            | 15.94            | 15.98            | 17.5    |
|           |            | 15      | 0         | 15.9             | 15.97            | 15.89            | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26715 | Channel<br>26865 | Channel<br>27015 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 16.5             | 16.48            | 16.32            | 17.5    |
|           |            | 1       | 13        | 16.47            | 16.52            | 16.32            | 17.5    |
|           |            | 1       | 24        | 16.38            | 16.4             | 16.31            | 17.5    |
|           |            | 12      | 0         | 16.5             | 16.47            | 16.37            | 17.5    |
|           |            | 12      | 6         | 16.58            | 16.42            | 16.45            | 17.5    |
|           |            | 12      | 13        | 16.44            | 16.48            | 16.35            | 17.5    |
|           |            | 25      | 0         | 16.52            | 16.49            | 16.33            | 17.5    |
|           | 16QAM      | 1       | 0         | 16.86            | 16.29            | 16.2             | 17.5    |
|           |            | 1       | 13        | 16.45            | 16.84            | 16.72            | 17.5    |
|           |            | 1       | 24        | 17.02            | 16.34            | 16.53            | 17.5    |
|           |            | 12      | 0         | 16.64            | 16.4             | 16.36            | 17.5    |
|           |            | 12      | 6         | 16.36            | 16.38            | 16.25            | 17.5    |
|           |            | 12      | 13        | 16.46            | 16.45            | 16.31            | 17.5    |
|           |            | 25      | 0         | 16.44            | 16.46            | 16.22            | 17.5    |
|           | 64QAM      | 1       | 0         | 16.29            | 16.15            | 15.95            | 17.5    |
|           |            | 1       | 13        | 16.24            | 16.39            | 16.36            | 17.5    |
|           |            | 1       | 24        | 16.49            | 16.32            | 16.27            | 17.5    |
|           |            | 12      | 0         | 16               | 15.95            | 15.97            | 17.5    |
|           |            | 12      | 6         | 15.84            | 16.01            | 16.06            | 17.5    |
|           |            | 12      | 13        | 16.18            | 15.96            | 15.99            | 17.5    |
|           |            | 25      | 0         | 15.98            | 16.05            | 15.88            | 17.5    |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26750 | Channel<br>26865 | Channel<br>26990 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 16.54            | 16.37            | 16.3             | 17.5    |
|           |            | 1       | 25        | 15.94            | 16.1             | 15.79            | 17.5    |
|           |            | 1       | 49        | 16.36            | 16.39            | 16.28            | 17.5    |
|           |            | 25      | 0         | 16.51            | 16.45            | 16.35            | 17.5    |
|           |            | 25      | 13        | 16.46            | 16.43            | 16.34            | 17.5    |
|           |            | 25      | 25        | 16.55            | 16.41            | 16.35            | 17.5    |
|           |            | 50      | 0         | 16.54            | 16.45            | 16.39            | 17.5    |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  | 16QAM             | 1              | 0                | 16.82                | 16.52                | 16.78                | 17.5           |
|                  |                   | 1              | 25               | 15.91                | 16.18                | 15.52                | 17.5           |
|                  |                   | 1              | 49               | 16.77                | 16.75                | 16.67                | 17.5           |
|                  |                   | 25             | 0                | 16.44                | 16.39                | 16.29                | 17.5           |
|                  |                   | 25             | 13               | 16.38                | 16.37                | 16.24                | 17.5           |
|                  |                   | 25             | 25               | 16.46                | 16.38                | 16.25                | 17.5           |
|                  |                   | 50             | 0                | 16.43                | 16.36                | 16.32                | 17.5           |
|                  | 64QAM             | 1              | 0                | 16.25                | 16.15                | 16                   | 17.5           |
|                  |                   | 1              | 25               | 16.31                | 16.34                | 16.34                | 17.5           |
|                  |                   | 1              | 49               | 16.53                | 16.27                | 16.25                | 17.5           |
|                  |                   | 25             | 0                | 16.09                | 16                   | 16.01                | 17.5           |
|                  |                   | 25             | 13               | 15.84                | 15.94                | 16.04                | 17.5           |
|                  |                   | 25             | 25               | 16.13                | 15.89                | 15.94                | 17.5           |
|                  |                   | 50             | 0                | 15.93                | 15.99                | 15.9                 | 17.5           |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 26775</b> | <b>Channel 26865</b> | <b>Channel 26965</b> | <b>Tune up</b> |
| <b>15MHz</b>     | QPSK              | 1              | 0                | 16.39                | 16.29                | 16.31                | 17.5           |
|                  |                   | 1              | 38               | 16.44                | 16.44                | 16.3                 | 17.5           |
|                  |                   | 1              | 74               | 16.31                | 16.32                | 16.25                | 17.5           |
|                  |                   | 36             | 0                | 16.5                 | 16.44                | 16.46                | 17.5           |
|                  |                   | 36             | 18               | 16.39                | 16.45                | 16.28                | 17.5           |
|                  |                   | 36             | 39               | 16.44                | 16.35                | 16.32                | 17.5           |
|                  |                   | 75             | 0                | 16.43                | 16.41                | 16.38                | 17.5           |
|                  | 16QAM             | 1              | 0                | 16.76                | 16.98                | 16.71                | 17.5           |
|                  |                   | 1              | 38               | 16.8                 | 16.7                 | 16.79                | 17.5           |
|                  |                   | 1              | 74               | 16.15                | 16.82                | 16.45                | 17.5           |
|                  |                   | 36             | 0                | 16.42                | 16.42                | 16.38                | 17.5           |
|                  |                   | 36             | 18               | 16.32                | 16.37                | 16.32                | 17.5           |
|                  |                   | 36             | 39               | 16.45                | 16.37                | 16.18                | 17.5           |
|                  |                   | 75             | 0                | 16.42                | 16.31                | 16.4                 | 17.5           |
|                  | 64QAM             | 1              | 0                | 16.22                | 16.19                | 16                   | 17.5           |
|                  |                   | 1              | 38               | 16.31                | 16.38                | 16.39                | 17.5           |
|                  |                   | 1              | 74               | 16.54                | 16.32                | 16.23                | 17.5           |
|                  |                   | 36             | 0                | 16.06                | 15.91                | 16.02                | 17.5           |
|                  |                   | 36             | 18               | 15.88                | 15.94                | 16.02                | 17.5           |
|                  |                   | 36             | 39               | 16.17                | 15.91                | 15.96                | 17.5           |
|                  |                   | 75             | 0                | 15.99                | 16.04                | 15.95                | 17.5           |

| LTE Band 26 Receiver on(Right head) + BT |            |         |           | Conducted Power(dBm) |         |         |         |
|--|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|  |            |         |           | 26697                | 26865   | 27033   |         |
| <b>1.4MHz</b>                            | QPSK       | 1       | 0         | 17.02                | 16.92   | 16.93   | 18      |
|  |            | 1       | 2         | 16.13                | 17.22   | 16.13   | 18      |
|  |            | 1       | 5         | 16.96                | 16.96   | 16.89   | 18      |
|  |            | 3       | 0         | 17.05                | 16.95   | 16.87   | 18      |

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|                  |                   |                |                  |                      |                      |                      |                |
|------------------|-------------------|----------------|------------------|----------------------|----------------------|----------------------|----------------|
|                  |                   | 3              | 2                | 16.82                | 16.48                | 16.85                | 18             |
|                  |                   | 3              | 3                | 16.93                | 16.71                | 16.87                | 18             |
|                  |                   | 6              | 0                | 16.61                | 16.62                | 16.75                | 18             |
|                  | 16QAM             | 1              | 0                | 17.46                | 17.24                | 17.11                | 18             |
|                  |                   | 1              | 2                | 17.52                | 17.18                | 17.04                | 18             |
|                  |                   | 1              | 5                | 17.11                | 17.26                | 17.23                | 18             |
|                  |                   | 3              | 0                | 17.07                | 16.67                | 16.95                | 18             |
|                  |                   | 3              | 2                | 16.39                | 16.84                | 17.2                 | 18             |
|                  |                   | 3              | 3                | 16.71                | 16.94                | 16.54                | 18             |
|                  |                   | 6              | 0                | 16.85                | 16.8                 | 16.63                | 18             |
|                  |                   | 1              | 0                | 16.64                | 16.58                | 16.44                | 18             |
|                  | 64QAM             | 1              | 2                | 16.78                | 16.85                | 16.85                | 18             |
|                  |                   | 1              | 5                | 16.99                | 16.73                | 16.71                | 18             |
|                  |                   | 3              | 0                | 16.52                | 16.39                | 16.41                | 18             |
|                  |                   | 3              | 2                | 16.37                | 16.38                | 16.42                | 18             |
|                  |                   | 3              | 3                | 16.64                | 16.39                | 16.45                | 18             |
|                  |                   | 6              | 0                | 16.43                | 16.48                | 16.43                | 18             |
|                  |                   |                |                  |                      |                      |                      |                |
|                  |                   |                |                  |                      |                      |                      |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 26705</b> | <b>Channel 26865</b> | <b>Channel 27025</b> | <b>Tune up</b> |
| <b>3MHz</b>      | QPSK              | 1              | 0                | 16.95                | 16.89                | 16.9                 | 18             |
|                  |                   | 1              | 7                | 16.61                | 16.65                | 16.16                | 18             |
|                  |                   | 1              | 14               | 17.01                | 16.92                | 16.87                | 18             |
|                  |                   | 8              | 0                | 17.07                | 16.48                | 16.77                | 18             |
|                  |                   | 8              | 4                | 16.85                | 16.88                | 16.98                | 18             |
|                  |                   | 8              | 7                | 17.01                | 16.79                | 16.6                 | 18             |
|                  |                   | 15             | 0                | 17.1                 | 16.86                | 16.82                | 18             |
|                  | 16QAM             | 1              | 0                | 17.52                | 16.89                | 17.1                 | 18             |
|                  |                   | 1              | 7                | 16.38                | 17.03                | 17.05                | 18             |
|                  |                   | 1              | 14               | 17.28                | 17.1                 | 17.16                | 18             |
|                  |                   | 8              | 0                | 16.93                | 16.88                | 16.68                | 18             |
|                  |                   | 8              | 4                | 17.05                | 16.89                | 16.78                | 18             |
|                  |                   | 8              | 7                | 17.06                | 16.91                | 16.85                | 18             |
|                  |                   | 15             | 0                | 16.75                | 16.82                | 16.76                | 18             |
|                  | 64QAM             | 1              | 0                | 16.71                | 16.59                | 16.48                | 18             |
|                  |                   | 1              | 7                | 16.74                | 16.79                | 16.84                | 18             |
|                  |                   | 1              | 14               | 17.07                | 16.77                | 16.62                | 18             |
|                  |                   | 8              | 0                | 16.51                | 16.42                | 16.45                | 18             |
|                  |                   | 8              | 4                | 16.32                | 16.41                | 16.41                | 18             |
|                  |                   | 8              | 7                | 16.63                | 16.42                | 16.44                | 18             |
|                  |                   | 15             | 0                | 16.41                | 16.43                | 16.37                | 18             |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel 26715</b> | <b>Channel 26865</b> | <b>Channel 27015</b> | <b>Tune up</b> |
| <b>5MHz</b>      | QPSK              | 1              | 0                | 16.99                | 16.97                | 16.88                | 18             |
|                  |                   | 1              | 13               | 16.97                | 16.95                | 16.82                | 18             |
|                  |                   | 1              | 24               | 16.91                | 16.84                | 16.83                | 18             |
|                  |                   | 12             | 0                | 17.09                | 16.92                | 16.82                | 18             |
|                  |                   | 12             | 6                | 17.04                | 17                   | 16.76                | 18             |

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