



REPORT No.: SZ24070315W12

# TEST REPORT

**APPLICANT** : OnePlus Technology (Shenzhen) Co., Ltd.

**PRODUCT NAME** : Mobile Phone

**MODEL NAME** : CPH2647

**BRAND NAME** : OPPO

**FCC ID** : 2ABZ2-OP23869

**STANDARD(S)** : 47 CFR Part 2  
47 CFR Part 24  
47 CFR Part 27  
47 CFR Part 90  
47 CFR Part 96

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| Change History |            |                   |
|----------------|------------|-------------------|
| Version        | Date       | Reason for change |
| 1.0            | 2024-10-31 | First edition     |



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

|                              |                                                                                                                                |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicant:</b>            | OnePlus Technology (Shenzhen) Co., Ltd.                                                                                        |
| <b>Applicant Address:</b>    | 18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China. |
| <b>Manufacturer:</b>         | OnePlus Technology (Shenzhen) Co., Ltd.                                                                                        |
| <b>Manufacturer Address:</b> | 18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China. |

## 1.2. Equipment Under Test (EUT) Description

|                          |                                                                                |                                                                                     |
|--------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Product Name:</b>     | Mobile Phone                                                                   |                                                                                     |
| <b>Hardware Version:</b> | 11                                                                             |                                                                                     |
| <b>Software Version:</b> | OxygenOS 15.0                                                                  |                                                                                     |
| <b>IMEI:</b>             | 866189070022292                                                                |                                                                                     |
| <b>Modulation Type:</b>  | DFT-s-OFDM                                                                     | PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM                                               |
|                          | CP-OFDM                                                                        | QPSK, 16QAM, 64QAM, 256QAM                                                          |
| <b>SA Band:</b>          | n2, n5, n7, n12, n25, n26, n30, n38, n41, n48, n66, n71, n77, n78              |                                                                                     |
| <b>Power Class:</b>      | PC2:                                                                           | n41, n77, n78                                                                       |
|                          | PC3:                                                                           | n2, n5, n7, n12, n25, n26, n30, n38, n41, n48, n66, n71, n77, n78                   |
| <b>NR CA Band:</b>       | CA_n2A-n77A, CA_n5A-n77A, CA_n5A-n78A, CA_n7A-n78A, CA_n25A-n41A, CA_n41A-n66A |                                                                                     |
| <b>EN-DC Band:</b>       | n2                                                                             | DC_4A_n2, DC_5A_n2, DC_7A_n2, DC_12A_n2, DC_13A_n2, DC_30A_n2, DC_66A_n2, DC_71A_n2 |
|                          | n5                                                                             | DC_2A_n5, DC_7A_n5, DC_30A_n5, DC_48A_n5, DC_66A_n5                                 |
|                          | n7                                                                             | DC_2A_n7, DC_4A_n7, DC_5A_n7, DC_12A_n7, DC_13A_n7, DC_66A_n7                       |
|                          | n25                                                                            | DC_7A_n25, DC_12A_n25, DC_13A_n25, DC_26A_n25, DC_66A_n25                           |
|                          | n38                                                                            | DC_2A_n38, DC_4A_n38, DC_5A_n38, DC_12A_n38, DC_66A_n38, DC_71A_n38                 |



|                         |                         |                                                                                                                                         |
|-------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|                         | n41                     | DC_2A_n41, DC_4A_n41, DC_12A_n41,<br>DC_25A_n41, DC_26A_n41, DC_66A_n41,<br>DC_71A_n41                                                  |
|                         | n66                     | DC_2A_n66, DC_5A_n66, DC_7A_n66,<br>DC_12A_n66, DC_13A_n66, DC_30A_n66,<br>DC_48A_n66, DC_71A_n66                                       |
|                         | n71                     | DC_2A_n71, DC_7A_n71, DC_66A_n71                                                                                                        |
|                         | n77                     | DC_2A_n77, DC_5A_n77, DC_7A_n77,<br>DC_12A_n77, DC_13A_n77, DC_25A_n77,<br>DC_30A_n77, DC_41A_n77, DC_66A_n77                           |
|                         | n78                     | DC_2A_n78, DC_4A_n78, DC_5A_n78, DC_7A_n78,<br>DC_12A_n78, DC_13A_n78, DC_25A_n78,<br>DC_38A_n78, DC_41A_n78, DC_66A_n78,<br>DC_71A_n78 |
| <b>Frequency Range:</b> | n2                      | Tx: 1850MHz-1910MHz                                                                                                                     |
|                         |                         | Rx: 1930MHz-1990MHz                                                                                                                     |
|                         | n5                      | Tx: 824MHz-849MHz                                                                                                                       |
|                         |                         | Rx: 869MHz-894MHz                                                                                                                       |
|                         | n7                      | Tx: 2500MHz-2570MHz                                                                                                                     |
|                         |                         | Rx: 2620MHz-2690MHz                                                                                                                     |
|                         | n12                     | Tx: 699MHz-716MHz                                                                                                                       |
|                         |                         | Rx: 729MHz-746MHz                                                                                                                       |
|                         |                         | Rx: 758MHz-768MHz                                                                                                                       |
|                         | n25                     | Tx: 1850MHz-1915MHz                                                                                                                     |
|                         |                         | Rx: 1930MHz-1995MHz                                                                                                                     |
|                         | n26<br>(enabling bands) | Tx: 814MHz-824MHz                                                                                                                       |
|                         |                         | Rx: 859MHz-869MHz                                                                                                                       |
|                         |                         | Tx: 824MHz-849MHz                                                                                                                       |
|                         |                         | Rx: 869MHz-894MHz                                                                                                                       |
|                         | n30                     | Tx: 2305MHz-2315MHz                                                                                                                     |
|                         |                         | Rx: 2350MHz-2360MHz                                                                                                                     |
|                         | n38                     | Tx: 2570MHz-2620MHz                                                                                                                     |
|                         |                         | Rx: 2570MHz-2620MHz                                                                                                                     |
|                         | n41                     | Tx: 2496MHz-2690MHz                                                                                                                     |
|                         |                         | Rx: 2496MHz-2690MHz                                                                                                                     |
|                         | n48                     | Tx: 3550 MHz-3700 MHz                                                                                                                   |
|                         |                         | Rx: 3550 MHz-3700 MHz                                                                                                                   |
|                         | n66                     | Tx: 1710MHz-1780MHz                                                                                                                     |



|                          |                           |                                                                              |
|--------------------------|---------------------------|------------------------------------------------------------------------------|
| <b>Channel Bandwidth</b> |                           | Rx: 2110MHz-2200MHz                                                          |
|                          | n71                       | Tx: 663MHz-698MHz                                                            |
|                          |                           | Rx: 617MHz-652MHz                                                            |
|                          | n77 :<br>(enabling bands) | Tx: 3450MHz-3550MHz                                                          |
|                          |                           | Rx: 3450MHz-3550MHz                                                          |
|                          |                           | Tx: 3700MHz-3980MHz                                                          |
|                          | n78:<br>(enabling bands)  | Rx: 3700MHz-3980MHz                                                          |
|                          |                           | Tx: 3450MHz-3550MHz                                                          |
|                          |                           | Rx: 3450MHz-3550MHz                                                          |
|                          |                           | Tx: 3700MHz-3800MHz                                                          |
|                          |                           | Rx: 3700MHz-3800MHz                                                          |
|                          | n2                        | 5MHz, 10MHz, 15MHz, 20MHz                                                    |
| <b>Antenna Type:</b>     | n5                        | 5MHz, 10MHz, 15MHz, 20MHz                                                    |
|                          | n7                        | 5MHz, 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz                               |
|                          | n12                       | 5MHz, 10MHz, 15MHz                                                           |
|                          | n25                       | 5MHz, 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz                               |
|                          | n26                       | 5MHz, 10MHz, 15MHz, 20MHz                                                    |
|                          | n30                       | 5MHz, 10MHz                                                                  |
|                          | n38                       | 10MHz, 15MHz, 20MHz, 30MHz, 40MHz                                            |
|                          | n41                       | 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz               |
|                          | n48                       | 10MHz, 15MHz, 20MHz, 30MHz, 40MHz                                            |
|                          | n66                       | 5MHz, 10MHz, 15MHz, 20MHz, 30MHz, 40MHz                                      |
|                          | n71                       | 5MHz, 10MHz, 15MHz, 20MHz                                                    |
|                          | n77                       | 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz |
|                          | n78                       | 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz |
|                          | IFA Antenna               |                                                                              |
| <b>Antenna Gain:</b>     | n2                        | ANT0: -2.20dBi, ANT4: 0.70dBi, ANT5: -0.70dBi, ANT6: -2.70dBi                |
|                          | n5                        | ANT0: -3.80dBi, ANT1: -6.00dBi                                               |
|                          | n7                        | ANT0: -0.60dBi, ANT4: 0.90dBi, ANT5: 0.70dBi, ANT6: -3.10dBi                 |
|                          | n12                       | ANT0: -5.50dBi, ANT1: -7.70dBi                                               |
|                          | n25                       | ANT0: -2.20dBi, ANT4: 0.90dBi, ANT5: -0.20dBi, ANT6: -2.30dBi                |
|                          | n26                       | ANT0: -3.80dBi, ANT1: -6.00dBi                                               |
|                          | n30                       | ANT4: -0.80dBi, ANT6: -4.00dBi                                               |
|                          | n38                       | ANT0: -0.60dBi, ANT4: 0.90dBi, ANT5: 0.70dBi, ANT6: -3.10dBi                 |

|                               |                     |                                                               |
|-------------------------------|---------------------|---------------------------------------------------------------|
|                               | n41                 | ANT0: -0.60dBi, ANT4: 0.90dBi, ANT5: 0.70dBi, ANT6: -3.10dBi  |
|                               | n48                 | ANT4: 0.70dBi, ANT8:-2.70dBi, ANT9: -2.10dBi, ANT11: 1.20dBi  |
|                               | n66                 | ANT0: 0.20dBi, ANT4: 0.30dBi, ANT5: -0.50dBi, ANT6: -1.5 dBi  |
|                               | n71                 | ANT0: -5.50dBi, ANT1: -3.10dBi                                |
|                               | n77                 | ANT4: 0.70dBi, ANT8: -1.70dBi, ANT9: -1.50dBi, ANT11: 1.20dBi |
|                               | n78                 | ANT4: 0.70dBi, ANT8: -2.50dBi, ANT9: -1.50dBi, ANT11: 1.20dBi |
| <b>Accessory Information:</b> | <b>Battery :</b>    |                                                               |
|                               | Brand Name:         | N/A                                                           |
|                               | Model No.:          | BLPB25                                                        |
|                               | Serial No.:         | N/A                                                           |
|                               | Capacity:           | 5860mAh                                                       |
|                               | Rated Voltage:      | 3.93V                                                         |
|                               | Charge Limit:       | 4.53V                                                         |
|                               | Manufacturer:       | Sunwoda Electronic CO.,LTD.                                   |
|                               | <b>AC Adapter :</b> |                                                               |
|                               | Brand Name:         | N/A                                                           |
|                               | Model No.:          | VCB8OAUH                                                      |
|                               | Serial No.:         | N/A                                                           |
|                               | Rated Input:        | 100-240V~50/60HZ, 2.0A                                        |
|                               | Rated Output:       | 5V=2A or 5-11V=5A or 5-11V=7.3A                               |
|                               | Manufacturer1:      | Dongguan Aohai Technology Co.,Ltd.                            |
|                               | Manufacturer2:      | Huizhou Golden Lake Industrial Co., Ltd.                      |

**Note 1:** For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

**Note 2:** n41 and n77 supports both power class 2 and class 3. We have evaluated two power classes respectively by performing full test, for Conducted Output Power .we recorded the test result of two power classes separately, for other test items we only recorded the worst test result (Class 2) in this report.

**Note 3:** In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode, SA mode is selected to test all test cases.



### 1.3. Maximum ERP/EIRP and Emission Designator

$EIRP \text{ (dBm)} = \text{Conducted Output Power (dBm)} + \text{Antenna Gain (dBi)}$

$ERP \text{ (dBm)} = EIPR \text{ (dBm)} - 2.15$

| n2              |            |                         |                    |                  |              |                     |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                  | /                | 4.49         | 4M49G7D             |
|                 | QPSK       | 24.16                   | 23.96              | 0.249            | 4.4911       | 4M49G7D             |
|                 | 16QAM      | /                       | /                  | /                | 4.492        | 4M49W7D             |
|                 | 64QAM      | /                       | /                  | /                | 4.478        | 4M48W7D             |
|                 | 256QAM     | /                       | /                  | /                | 4.4843       | 4M48W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 4.4709       | 4M47G7D             |
| 10              | PI/2 BPSK  | /                       | /                  | /                | 8.923        | 8M92G7D             |
|                 | QPSK       | 24.18                   | 23.98              | 0.250            | 8.9256       | 8M93G7D             |
|                 | 16QAM      | /                       | /                  | /                | 8.9554       | 8M96W7D             |
|                 | 64QAM      | /                       | /                  | /                | 8.9235       | 8M92W7D             |
|                 | 256QAM     | /                       | /                  | /                | 8.9242       | 8M92W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 9.287        | 9M29G7D             |
| 15              | PI/2 BPSK  | /                       | /                  | /                | 13.422       | 13M4G7D             |
|                 | QPSK       | 24.19                   | 23.99              | 0.251            | 13.427       | 13M4G7D             |
|                 | 16QAM      | /                       | /                  | /                | 13.425       | 13M4W7D             |
|                 | 64QAM      | /                       | /                  | /                | 13.392       | 13M4W7D             |
|                 | 256QAM     | /                       | /                  | /                | 13.438       | 13M4W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 14.11        | 14M1G7D             |
| 20              | PI/2 BPSK  | 24.20                   | 24.00              | 0.251            | 17.893       | 17M9G7D             |
|                 | QPSK       | 24.25                   | 24.05              | 0.254            | 17.888       | 17M9G7D             |
|                 | 16QAM      | 23.01                   | 22.81              | 0.191            | 17.884       | 17M9W7D             |
|                 | 64QAM      | 21.53                   | 21.33              | 0.136            | 17.885       | 17M9W7D             |
|                 | 256QAM     | 19.25                   | 19.05              | 0.080            | 17.9         | 17M9W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 18.905       | 18M9G7D             |

| n5 |
|----|
|----|



| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (MHz) | Emission Designator |
|-----------------|------------|-------------------------|-------------------|-----------------|--------------|---------------------|
| 5               | PI/2 BPSK  | /                       | /                 | /               | 4.4804       | 4M48G7D             |
|                 | QPSK       | 23.84                   | 15.69             | 0.037           | 4.4889       | 4M49G7D             |
|                 | 16QAM      | /                       | /                 | /               | 4.4826       | 4M48W7D             |
|                 | 64QAM      | /                       | /                 | /               | 4.4783       | 4M48W7D             |
|                 | 256QAM     | /                       | /                 | /               | 4.4768       | 4M48W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 4.4775       | 4M48G7D             |
| 10              | PI/2 BPSK  | /                       | /                 | /               | 8.9282       | 8M93G7D             |
|                 | QPSK       | 23.90                   | 15.75             | 0.038           | 8.929        | 8M93G7D             |
|                 | 16QAM      | /                       | /                 | /               | 8.9365       | 8M94W7D             |
|                 | 64QAM      | /                       | /                 | /               | 8.9226       | 8M92W7D             |
|                 | 256QAM     | /                       | /                 | /               | 8.9262       | 8M93W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 9.2932       | 9M29G7D             |
| 15              | PI/2 BPSK  | /                       | /                 | /               | 13.428       | 13M4G7D             |
|                 | QPSK       | 23.92                   | 15.77             | 0.038           | 13.422       | 13M4G7D             |
|                 | 16QAM      | /                       | /                 | /               | 13.419       | 13M4W7D             |
|                 | 64QAM      | /                       | /                 | /               | 13.421       | 13M4W7D             |
|                 | 256QAM     | /                       | /                 | /               | 13.432       | 13M4W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 14.115       | 14M1G7D             |
| 20              | PI/2 BPSK  | 23.91                   | 15.76             | 0.038           | 17.887       | 17M9G7D             |
|                 | QPSK       | 23.94                   | 15.79             | 0.038           | 17.896       | 17M9G7D             |
|                 | 16QAM      | 22.76                   | 14.61             | 0.029           | 17.892       | 17M9W7D             |
|                 | 64QAM      | 21.23                   | 13.08             | 0.020           | 17.913       | 17M9W7D             |
|                 | 256QAM     | 18.89                   | 10.74             | 0.012           | 17.869       | 17M9W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 18.914       | 18M9G7D             |

| n7              |            |                         |                   |                 |              |                     |
|-----------------|------------|-------------------------|-------------------|-----------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                 | /               | 4.4778       | 4M48G7D             |
|                 | QPSK       | 24.08                   | 24.78             | 0.301           | 4.4902       | 4M49G7D             |
|                 | 16QAM      | /                       | /                 | /               | 4.4883       | 4M49W7D             |
|                 | 64QAM      | /                       | /                 | /               | 4.4745       | 4M47W7D             |
|                 | 256QAM     | /                       | /                 | /               | 4.4843       | 4M48W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 4.474        | 4M47G7D             |



|    |           |       |       |       |        |         |
|----|-----------|-------|-------|-------|--------|---------|
| 10 | PI/2 BPSK | /     | /     | /     | 8.9136 | 8M91G7D |
|    | QPSK      | 24.06 | 24.76 | 0.299 | 8.9268 | 8M93G7D |
|    | 16QAM     | /     | /     | /     | 8.9397 | 8M94W7D |
|    | 64QAM     | /     | /     | /     | 8.9221 | 8M92W7D |
|    | 256QAM    | /     | /     | /     | 8.9286 | 8M93W7D |
|    | CP-QPSK   | /     | /     | /     | 9.2859 | 9M29G7D |
| 15 | PI/2 BPSK | /     | /     | /     | 13.412 | 13M4G7D |
|    | QPSK      | 24.04 | 24.74 | 0.298 | 13.42  | 13M4G7D |
|    | 16QAM     | /     | /     | /     | 13.425 | 13M4W7D |
|    | 64QAM     | /     | /     | /     | 13.4   | 13M4W7D |
|    | 256QAM    | /     | /     | /     | 13.429 | 13M4W7D |
|    | CP-QPSK   | /     | /     | /     | 14.112 | 14M1G7D |
| 20 | PI/2 BPSK | /     | /     | /     | 17.865 | 17M9G7D |
|    | QPSK      | 24.08 | 24.78 | 0.301 | 17.866 | 17M9G7D |
|    | 16QAM     | /     | /     | /     | 17.871 | 17M9W7D |
|    | 64QAM     | /     | /     | /     | 17.89  | 17M9W7D |
|    | 256QAM    | /     | /     | /     | 17.861 | 17M9W7D |
|    | CP-QPSK   | /     | /     | /     | 18.904 | 18M9G7D |
| 25 | PI/2 BPSK | /     | /     | /     | 22.909 | 22M9G7D |
|    | QPSK      | 24.06 | 24.76 | 0.299 | 22.91  | 22M9G7D |
|    | 16QAM     | /     | /     | /     | 22.933 | 22M9W7D |
|    | 64QAM     | /     | /     | /     | 22.878 | 22M9W7D |
|    | 256QAM    | /     | /     | /     | 22.873 | 22M9W7D |
|    | CP-QPSK   | /     | /     | /     | 23.748 | 23M8G7D |
| 30 | PI/2 BPSK | /     | /     | /     | 28.61  | 28M6G7D |
|    | QPSK      | 24.09 | 24.79 | 0.301 | 28.517 | 28M5G7D |
|    | 16QAM     | /     | /     | /     | 28.557 | 28M6W7D |
|    | 64QAM     | /     | /     | /     | 28.529 | 28M5W7D |
|    | 256QAM    | /     | /     | /     | 28.573 | 28M6W7D |
|    | CP-QPSK   | /     | /     | /     | 28.553 | 28M6G7D |
| 40 | PI/2 BPSK | 24.12 | 24.82 | 0.303 | 38.596 | 38M6G7D |
|    | QPSK      | 24.14 | 24.84 | 0.305 | 38.626 | 38M6G7D |
|    | 16QAM     | 22.97 | 23.67 | 0.233 | 38.595 | 38M6W7D |
|    | 64QAM     | 21.32 | 22.02 | 0.159 | 38.544 | 38M5W7D |
|    | 256QAM    | 19.00 | 19.70 | 0.093 | 38.524 | 38M5W7D |
|    | CP-QPSK   | /     | /     | /     | 38.539 | 38M5G7D |



| n12             |            |                         |                   |                 |              |                     |
|-----------------|------------|-------------------------|-------------------|-----------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                 | /               | 4.4778       | 4M48G7D             |
|                 | QPSK       | 23.83                   | 13.98             | 0.025           | 4.4902       | 4M49G7D             |
|                 | 16QAM      | /                       | /                 | /               | 4.4883       | 4M49W7D             |
|                 | 64QAM      | /                       | /                 | /               | 4.4745       | 4M47W7D             |
|                 | 256QAM     | /                       | /                 | /               | 4.4843       | 4M48W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 4.474        | 4M47G7D             |
| 10              | PI/2 BPSK  | /                       | /                 | /               | 8.9136       | 8M91G7D             |
|                 | QPSK       | 23.91                   | 14.06             | 0.025           | 8.9268       | 8M93G7D             |
|                 | 16QAM      | /                       | /                 | /               | 8.9397       | 8M94W7D             |
|                 | 64QAM      | /                       | /                 | /               | 8.9221       | 8M92W7D             |
|                 | 256QAM     | /                       | /                 | /               | 8.9286       | 8M93W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 9.2859       | 9M29G7D             |
| 15              | PI/2 BPSK  | 23.98                   | 14.13             | 0.026           | 13.412       | 13M4G7D             |
|                 | QPSK       | 24.04                   | 14.19             | 0.026           | 13.42        | 13M4G7D             |
|                 | 16QAM      | 22.86                   | 13.01             | 0.020           | 13.425       | 13M4W7D             |
|                 | 64QAM      | 21.10                   | 11.25             | 0.013           | 13.4         | 13M4W7D             |
|                 | 256QAM     | 18.85                   | 9.00              | 0.008           | 13.429       | 13M4W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 14.112       | 14M1G7D             |

| n25             |            |                         |                    |                  |              |                     |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                  | /                | 4.4881       | 4M49G7D             |
|                 | QPSK       | 24.05                   | 23.85              | 0.243            | 4.4991       | 4M50G7D             |
|                 | 16QAM      | /                       | /                  | /                | 4.4862       | 4M49W7D             |
|                 | 64QAM      | /                       | /                  | /                | 4.4838       | 4M48W7D             |
|                 | 256QAM     | /                       | /                  | /                | 4.4811       | 4M48W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 4.4785       | 4M48G7D             |
| 10              | PI/2 BPSK  | /                       | /                  | /                | 8.9229       | 8M92G7D             |
|                 | QPSK       | 24.24                   | 24.04              | 0.254            | 8.919        | 8M92G7D             |
|                 | 16QAM      | /                       | /                  | /                | 8.9397       | 8M94W7D             |
|                 | 64QAM      | /                       | /                  | /                | 8.9229       | 8M92W7D             |
|                 | 256QAM     | /                       | /                  | /                | 8.9375       | 8M94W7D             |



|    |           |       |       |       |        |         |
|----|-----------|-------|-------|-------|--------|---------|
|    | CP-QPSK   | /     | /     | /     | 9.2806 | 9M28G7D |
| 15 | PI/2 BPSK | /     | /     | /     | 13.422 | 13M4G7D |
|    | QPSK      | 24.23 | 24.03 | 0.253 | 13.437 | 13M4G7D |
|    | 16QAM     | /     | /     | /     | 13.419 | 13M4W7D |
|    | 64QAM     | /     | /     | /     | 13.407 | 13M4W7D |
|    | 256QAM    | /     | /     | /     | 13.429 | 13M4W7D |
|    | CP-QPSK   | /     | /     | /     | 14.111 | 14M1G7D |
| 20 | PI/2 BPSK | /     | /     | /     | 17.882 | 17M9G7D |
|    | QPSK      | 24.18 | 23.98 | 0.250 | 17.872 | 17M9G7D |
|    | 16QAM     | /     | /     | /     | 17.879 | 17M9W7D |
|    | 64QAM     | /     | /     | /     | 17.893 | 17M9W7D |
|    | 256QAM    | /     | /     | /     | 17.851 | 17M9W7D |
|    | CP-QPSK   | /     | /     | /     | 18.906 | 18M9G7D |
| 25 | PI/2 BPSK | /     | /     | /     | 22.86  | 22M9G7D |
|    | QPSK      | 24.25 | 24.05 | 0.254 | 22.911 | 22M9G7D |
|    | 16QAM     | /     | /     | /     | 22.929 | 22M9W7D |
|    | 64QAM     | /     | /     | /     | 22.868 | 22M9W7D |
|    | 256QAM    | /     | /     | /     | 22.86  | 22M9W7D |
|    | CP-QPSK   | /     | /     | /     | 23.75  | 23M8G7D |
| 30 | PI/2 BPSK | /     | /     | /     | 28.632 | 28M6G7D |
|    | QPSK      | 24.21 | 24.01 | 0.252 | 28.554 | 28M6G7D |
|    | 16QAM     | /     | /     | /     | 28.56  | 28M6W7D |
|    | 64QAM     | /     | /     | /     | 28.538 | 28M5W7D |
|    | 256QAM    | /     | /     | /     | 28.579 | 28M6W7D |
|    | CP-QPSK   | /     | /     | /     | 28.537 | 28M5G7D |
| 40 | PI/2 BPSK | 24.22 | 24.02 | 0.252 | 38.575 | 38M6G7D |
|    | QPSK      | 24.26 | 24.06 | 0.255 | 38.589 | 38M6G7D |
|    | 16QAM     | 23.04 | 22.84 | 0.192 | 38.614 | 38M6W7D |
|    | 64QAM     | 21.45 | 21.25 | 0.133 | 38.538 | 38M5W7D |
|    | 256QAM    | 19.15 | 18.95 | 0.079 | 38.511 | 38M5W7D |
|    | CP-QPSK   | /     | /     | /     | 38.535 | 38M5G7D |

| n26(814-824MHz) |            |                         |                   |                 |              |                     |
|-----------------|------------|-------------------------|-------------------|-----------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                 | /               | 4.4776       | 4M48G7D             |
|                 | QPSK       | 23.90                   | 15.75             | 0.038           | 4.5086       | 4M51G7D             |



|    |           |       |       |       |        |         |
|----|-----------|-------|-------|-------|--------|---------|
|    | 16QAM     | /     | /     | /     | 4.4897 | 4M49W7D |
|    | 64QAM     | /     | /     | /     | 4.4752 | 4M48W7D |
|    | 256QAM    | /     | /     | /     | 4.4801 | 4M48W7D |
|    | CP-QPSK   | /     | /     | /     | 4.4776 | 4M48G7D |
| 10 | PI/2 BPSK | 24.04 | 15.89 | 0.039 | 8.9207 | 8M92G7D |
|    | QPSK      | 24.06 | 15.91 | 0.039 | 8.9117 | 8M91G7D |
|    | 16QAM     | 22.93 | 14.78 | 0.030 | 8.9289 | 8M93W7D |
|    | 64QAM     | 21.23 | 13.08 | 0.020 | 8.9103 | 8M91W7D |
|    | 256QAM    | 18.97 | 10.82 | 0.012 | 8.9214 | 8M92W7D |
|    | CP-QPSK   | /     | /     | /     | 9.257  | 9M26G7D |

| n26(824-849MHz) |            |                         |                   |                 |              |                     |
|-----------------|------------|-------------------------|-------------------|-----------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                 | /               | 4.4833       | 4M48G7D             |
|                 | QPSK       | 23.93                   | 15.78             | 0.038           | 4.5051       | 4M51G7D             |
|                 | 16QAM      | /                       | /                 | /               | 4.485        | 4M49W7D             |
|                 | 64QAM      | /                       | /                 | /               | 4.4773       | 4M48W7D             |
|                 | 256QAM     | /                       | /                 | /               | 4.4794       | 4M48W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 4.501        | 4M50G7D             |
| 10              | PI/2 BPSK  | /                       | /                 | /               | 8.9201       | 8M92G7D             |
|                 | QPSK       | 24.04                   | 15.89             | 0.039           | 8.9325       | 8M93G7D             |
|                 | 16QAM      | /                       | /                 | /               | 8.9362       | 8M94W7D             |
|                 | 64QAM      | /                       | /                 | /               | 8.9282       | 8M93W7D             |
|                 | 256QAM     | /                       | /                 | /               | 8.9266       | 8M93W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 9.2933       | 9M29G7D             |
| 15              | PI/2 BPSK  | /                       | /                 | /               | 13.423       | 13M4G7D             |
|                 | QPSK       | 24.00                   | 15.85             | 0.038           | 13.436       | 13M4G7D             |
|                 | 16QAM      | /                       | /                 | /               | 13.442       | 13M4W7D             |
|                 | 64QAM      | /                       | /                 | /               | 13.407       | 13M4W7D             |
|                 | 256QAM     | /                       | /                 | /               | 13.433       | 13M4W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 14.11        | 14M1G7D             |
| 20              | PI/2 BPSK  | 24.01                   | 15.86             | 0.039           | 17.874       | 17M9G7D             |
|                 | QPSK       | 24.05                   | 15.90             | 0.039           | 17.869       | 17M9G7D             |
|                 | 16QAM      | 23.01                   | 14.86             | 0.031           | 17.9         | 17M9W7D             |
|                 | 64QAM      | 21.27                   | 13.12             | 0.021           | 17.891       | 17M9W7D             |
|                 | 256QAM     | 18.97                   | 10.82             | 0.012           | 17.863       | 17M9W7D             |



|  |         |   |   |   |        |         |
|--|---------|---|---|---|--------|---------|
|  | CP-QPSK | / | / | / | 18.907 | 18M9G7D |
|--|---------|---|---|---|--------|---------|

| n30             |            |                         |                   |                 |              |                     |
|-----------------|------------|-------------------------|-------------------|-----------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                 | /               | 4.4828       | 4M48G7D             |
|                 | QPSK       | 22.90                   | 19.95             | 0.099           | 4.4963       | 4M50G7D             |
|                 | 16QAM      | /                       | /                 | /               | 4.491        | 4M49W7D             |
|                 | 64QAM      | /                       | /                 | /               | 4.476        | 4M48W7D             |
|                 | 256QAM     | /                       | /                 | /               | 4.4798       | 4M48W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 4.4792       | 4M48G7D             |
| 10              | PI/2 BPSK  | 23.01                   | 20.06             | 0.101           | 8.9136       | 8M91G7D             |
|                 | QPSK       | 23.03                   | 20.08             | 0.102           | 8.915        | 8M92G7D             |
|                 | 16QAM      | 21.76                   | 18.81             | 0.076           | 8.941        | 8M94W7D             |
|                 | 64QAM      | 20.12                   | 17.17             | 0.052           | 8.9226       | 8M92W7D             |
|                 | 256QAM     | 17.97                   | 15.02             | 0.032           | 8.9305       | 8M93W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 9.2864       | 9M29G7D             |

| n38             |            |                         |                    |                  |              |                     |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 10              | PI/2 BPSK  | /                       | /                  | /                | 8.5873       | 8M59G7D             |
|                 | QPSK       | 24.04                   | 24.74              | 0.298            | 8.6056       | 8M61G7D             |
|                 | 16QAM      | /                       | /                  | /                | 8.6293       | 8M63W7D             |
|                 | 64QAM      | /                       | /                  | /                | 8.6092       | 8M61W7D             |
|                 | 256QAM     | /                       | /                  | /                | 8.6059       | 8M61W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 8.5886       | 8M59G7D             |
| 15              | PI/2 BPSK  | /                       | /                  | /                | 12.882       | 12M9G7D             |
|                 | QPSK       | 24.01                   | 24.71              | 0.296            | 12.874       | 12M9G7D             |
|                 | 16QAM      | /                       | /                  | /                | 12.905       | 12M9W7D             |
|                 | 64QAM      | /                       | /                  | /                | 12.857       | 12M9W7D             |
|                 | 256QAM     | /                       | /                  | /                | 13.85        | 13M9W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 12.886       | 12M9G7D             |
| 20              | PI/2 BPSK  | /                       | /                  | /                | 17.836       | 17M8G7D             |
|                 | QPSK       | 24.11                   | 24.81              | 0.303            | 17.828       | 17M8G7D             |
|                 | 16QAM      | /                       | /                  | /                | 17.876       | 17M9W7D             |



|    |           |       |       |       |        |         |
|----|-----------|-------|-------|-------|--------|---------|
|    | 64QAM     | /     | /     | /     | 17.863 | 17M9W7D |
|    | 256QAM    | /     | /     | /     | 17.838 | 17M8W7D |
|    | CP-QPSK   | /     | /     | /     | 17.87  | 17M9G7D |
| 30 | PI/2 BPSK | /     | /     | /     | 26.786 | 26M8G7D |
|    | QPSK      | 24.20 | 24.90 | 0.309 | 26.806 | 26M8G7D |
|    | 16QAM     | /     | /     | /     | 26.828 | 26M8W7D |
|    | 64QAM     | /     | /     | /     | 26.801 | 26M8W7D |
|    | 256QAM    | /     | /     | /     | 26.807 | 26M8W7D |
|    | CP-QPSK   | /     | /     | /     | 26.798 | 26M8G7D |
| 40 | PI/2 BPSK | 24.16 | 24.86 | 0.306 | 35.736 | 35M7G7D |
|    | QPSK      | 24.22 | 24.92 | 0.310 | 35.761 | 35M8G7D |
|    | 16QAM     | 23.00 | 23.70 | 0.234 | 35.779 | 35M8W7D |
|    | 64QAM     | 21.49 | 22.19 | 0.166 | 35.805 | 35M8W7D |
|    | 256QAM    | 19.31 | 20.01 | 0.100 | 35.795 | 35M8W7D |
|    | CP-QPSK   | /     | /     | /     | 35.739 | 35M7G7D |

| n41(PC2)           |            |                               |                          |                        |                 |                        |
|--------------------|------------|-------------------------------|--------------------------|------------------------|-----------------|------------------------|
| Bandwidth<br>(MHz) | Modulation | Conducted<br>Average<br>(dBm) | EIRP<br>Average<br>(dBm) | EIRP<br>Average<br>(W) | 99% BW<br>(MHz) | Emission<br>Designator |
| 20                 | PI/2 BPSK  | /                             | /                        | /                      | 17.831          | 17M8G7D                |
|                    | QPSK       | 26.02                         | 26.72                    | 0.470                  | 17.836          | 17M8G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 17.915          | 17M9W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 17.848          | 17M9W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 17.816          | 17M8W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 17.88           | 17M9G7D                |
| 30                 | PI/2 BPSK  | /                             | /                        | /                      | 26.79           | 26M8G7D                |
|                    | QPSK       | 26.15                         | 26.85                    | 0.484                  | 26.821          | 26M8G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 26.823          | 26M8W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 26.784          | 26M8W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 26.838          | 26M8W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 26.837          | 26M8G7D                |
| 40                 | PI/2 BPSK  | /                             | /                        | /                      | 35.73           | 35M7G7D                |
|                    | QPSK       | 26.01                         | 26.71                    | 0.469                  | 35.771          | 35M8G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 35.761          | 35M8W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 35.813          | 35M8W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 35.752          | 35M8W7D                |



|     |           |       |       |       |        |         |
|-----|-----------|-------|-------|-------|--------|---------|
|     | CP-QPSK   | /     | /     | /     | 35.683 | 35M7G7D |
| 50  | PI/2 BPSK | /     | /     | /     | 45.714 | 45M7G7D |
|     | QPSK      | 26.25 | 26.95 | 0.495 | 45.735 | 45M7G7D |
|     | 16QAM     | /     | /     | /     | 45.736 | 45M7W7D |
|     | 64QAM     | /     | /     | /     | 45.685 | 45M7W7D |
|     | 256QAM    | /     | /     | /     | 45.691 | 45M7W7D |
|     | CP-QPSK   | /     | /     | /     | 45.689 | 45M7G7D |
| 60  | PI/2 BPSK | /     | /     | /     | 57.86  | 57M9G7D |
|     | QPSK      | 26.11 | 26.81 | 0.480 | 57.78  | 57M8G7D |
|     | 16QAM     | /     | /     | /     | 57.736 | 57M7W7D |
|     | 64QAM     | /     | /     | /     | 57.824 | 57M8W7D |
|     | 256QAM    | /     | /     | /     | 57.806 | 57M8W7D |
|     | CP-QPSK   | /     | /     | /     | 57.775 | 57M8G7D |
| 70  | PI/2 BPSK | /     | /     | /     | 64.332 | 64M3G7D |
|     | QPSK      | 26.14 | 26.84 | 0.483 | 64.255 | 64M3G7D |
|     | 16QAM     | /     | /     | /     | 64.14  | 64M1W7D |
|     | 64QAM     | /     | /     | /     | 64.164 | 64M2W7D |
|     | 256QAM    | /     | /     | /     | 64.095 | 64M1W7D |
|     | CP-QPSK   | /     | /     | /     | 64.073 | 64M1G7D |
| 80  | PI/2 BPSK | /     | /     | /     | 77.095 | 77M1G7D |
|     | QPSK      | 26.19 | 26.89 | 0.489 | 77.02  | 77M0G7D |
|     | 16QAM     | /     | /     | /     | 77.113 | 77M1W7D |
|     | 64QAM     | /     | /     | /     | 77.024 | 77M0W7D |
|     | 256QAM    | /     | /     | /     | 77.078 | 77M1W7D |
|     | CP-QPSK   | /     | /     | /     | 77.085 | 77M1G7D |
| 90  | PI/2 BPSK | /     | /     | /     | 86.738 | 86M7G7D |
|     | QPSK      | 26.18 | 26.88 | 0.488 | 86.589 | 86M6G7D |
|     | 16QAM     | /     | /     | /     | 86.706 | 86M7W7D |
|     | 64QAM     | /     | /     | /     | 86.635 | 86M6W7D |
|     | 256QAM    | /     | /     | /     | 86.601 | 86M6W7D |
|     | CP-QPSK   | /     | /     | /     | 86.661 | 86M7G7D |
| 100 | PI/2 BPSK | 26.28 | 26.98 | 0.499 | 96.309 | 96M3G7D |
|     | QPSK      | 26.29 | 26.99 | 0.500 | 96.305 | 96M3G7D |
|     | 16QAM     | 25.11 | 25.81 | 0.381 | 96.288 | 96M3W7D |
|     | 64QAM     | 24.20 | 24.90 | 0.309 | 96.354 | 96M4W7D |
|     | 256QAM    | 23.00 | 23.70 | 0.234 | 96.315 | 96M3W7D |
|     | CP-QPSK   | /     | /     | /     | 96.376 | 96M4G7D |



| n41(PC3)           |            |                               |                          |                        |                 |                        |
|--------------------|------------|-------------------------------|--------------------------|------------------------|-----------------|------------------------|
| Bandwidth<br>(MHz) | Modulation | Conducted<br>Average<br>(dBm) | EIRP<br>Average<br>(dBm) | EIRP<br>Average<br>(W) | 99% BW<br>(kHz) | Emission<br>Designator |
| 20                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 23.62                         | 24.32                    | 0.270                  | /               | /                      |
|                    | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 256QAM     | /                             | /                        | /                      | /               | /                      |
|                    | CP-QPSK    | /                             | /                        | /                      | /               | /                      |
| 30                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 23.93                         | 24.63                    | 0.290                  | /               | /                      |
|                    | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 256QAM     | /                             | /                        | /                      | /               | /                      |
|                    | CP-QPSK    | /                             | /                        | /                      | /               | /                      |
| 40                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 23.66                         | 24.36                    | 0.273                  | /               | /                      |
|                    | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 256QAM     | /                             | /                        | /                      | /               | /                      |
|                    | CP-QPSK    | /                             | /                        | /                      | /               | /                      |
| 50                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 23.90                         | 24.60                    | 0.288                  | /               | /                      |
|                    | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 256QAM     | /                             | /                        | /                      | /               | /                      |
|                    | CP-QPSK    | /                             | /                        | /                      | /               | /                      |
| 60                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 23.84                         | 24.54                    | 0.284                  | /               | /                      |
|                    | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 256QAM     | /                             | /                        | /                      | /               | /                      |
|                    | CP-QPSK    | /                             | /                        | /                      | /               | /                      |
| 70                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 23.79                         | 24.49                    | 0.281                  | /               | /                      |



|     |           |       |       |       |   |   |
|-----|-----------|-------|-------|-------|---|---|
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
|     | CP-QPSK   | /     | /     | /     | / | / |
| 80  | PI/2 BPSK | /     | /     | /     | / | / |
|     | QPSK      | 23.87 | 24.57 | 0.286 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
|     | CP-QPSK   | /     | /     | /     | / | / |
| 90  | PI/2 BPSK | /     | /     | /     | / | / |
|     | QPSK      | 23.85 | 24.55 | 0.285 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
|     | CP-QPSK   | /     | /     | /     | / | / |
| 100 | PI/2 BPSK | 23.93 | 24.63 | 0.290 | / | / |
|     | QPSK      | 23.97 | 24.67 | 0.293 | / | / |
|     | 16QAM     | 23.88 | 24.58 | 0.287 | / | / |
|     | 64QAM     | 23.90 | 24.60 | 0.288 | / | / |
|     | 256QAM    | 22.74 | 23.44 | 0.221 | / | / |
|     | CP-QPSK   | /     | /     | /     | / | / |

| n48             |            |                         |                    |                  |              |                     |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 10              | PI/2 BPSK  | /                       | /                  | /                | 8.5876       | 8M59G7D             |
|                 | QPSK       | 23.97                   | 21.27              | 0.134            | 8.5837       | 8M58G7D             |
|                 | 16QAM      | /                       | /                  | /                | 8.6511       | 8M65W7D             |
|                 | 64QAM      | /                       | /                  | /                | 8.5803       | 8M58W7D             |
|                 | 256QAM     | /                       | /                  | /                | 8.6069       | 8M61W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 8.5753       | 8M58G7D             |
| 15              | PI/2 BPSK  | /                       | /                  | /                | 12.873       | 12M9G7D             |
|                 | QPSK       | 24.11                   | 21.41              | 0.138            | 12.873       | 12M9G7D             |
|                 | 16QAM      | /                       | /                  | /                | 12.868       | 12M9W7D             |
|                 | 64QAM      | /                       | /                  | /                | 12.868       | 12M9W7D             |



|    |           |       |       |       |        |         |
|----|-----------|-------|-------|-------|--------|---------|
|    | 256QAM    | /     | /     | /     | 12.863 | 12M9W7D |
|    | CP-QPSK   | /     | /     | /     | 12.898 | 12M9G7D |
| 20 | PI/2 BPSK | /     | /     | /     | 17.833 | 17M8G7D |
|    | QPSK      | 23.96 | 21.26 | 0.134 | 17.835 | 17M8G7D |
|    | 16QAM     | /     | /     | /     | 17.885 | 17M9W7D |
|    | 64QAM     | /     | /     | /     | 17.852 | 17M9W7D |
|    | 256QAM    | /     | /     | /     | 17.825 | 17M8W7D |
|    | CP-QPSK   | /     | /     | /     | 17.839 | 17M8G7D |
| 30 | PI/2 BPSK | /     | /     | /     | 26.793 | 26M8G7D |
|    | QPSK      | 24.09 | 21.39 | 0.138 | 26.775 | 26M8G7D |
|    | 16QAM     | /     | /     | /     | 26.854 | 26M9W7D |
|    | 64QAM     | /     | /     | /     | 26.844 | 26M8W7D |
|    | 256QAM    | /     | /     | /     | 26.796 | 26M8W7D |
|    | CP-QPSK   | /     | /     | /     | 26.799 | 26M8G7D |
| 40 | PI/2 BPSK | 24.10 | 21.40 | 0.138 | 35.775 | 35M8G7D |
|    | QPSK      | 24.22 | 21.52 | 0.142 | 35.777 | 35M8G7D |
|    | 16QAM     | 22.75 | 20.05 | 0.101 | 35.827 | 35M8W7D |
|    | 64QAM     | 21.46 | 18.76 | 0.075 | 35.794 | 35M8W7D |
|    | 256QAM    | 19.20 | 16.50 | 0.045 | 35.776 | 35M8W7D |
|    | CP-QPSK   | /     | /     | /     | 35.782 | 35M8G7D |

| n66                |            |                               |                          |                        |                 |                        |
|--------------------|------------|-------------------------------|--------------------------|------------------------|-----------------|------------------------|
| Bandwidth<br>(MHz) | Modulation | Conducted<br>Average<br>(dBm) | EIRP<br>Average<br>(dBm) | EIRP<br>Average<br>(W) | 99% BW<br>(MHz) | Emission<br>Designator |
| 5                  | PI/2 BPSK  | /                             | /                        | /                      | 4.4849          | 4M48G7D                |
|                    | QPSK       | 23.90                         | 23.40                    | 0.219                  | 4.4842          | 4M48G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 4.4859          | 4M49W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 4.475           | 4M48W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 4.4781          | 4M48W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 4.4758          | 4M48G7D                |
| 10                 | PI/2 BPSK  | /                             | /                        | /                      | 8.9242          | 8M92G7D                |
|                    | QPSK       | 24.03                         | 23.53                    | 0.225                  | 8.9205          | 8M92G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 8.9503          | 8M95W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 8.9237          | 8M92W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 8.9289          | 8M93W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 9.2939          | 9M29G7D                |



|    |           |       |       |       |        |         |
|----|-----------|-------|-------|-------|--------|---------|
| 15 | PI/2 BPSK | /     | /     | /     | 13.416 | 13M4G7D |
|    | QPSK      | 24.04 | 23.54 | 0.226 | 13.439 | 13M4G7D |
|    | 16QAM     | /     | /     | /     | 13.432 | 13M4W7D |
|    | 64QAM     | /     | /     | /     | 13.399 | 13M4W7D |
|    | 256QAM    | /     | /     | /     | 13.444 | 13M4W7D |
|    | CP-QPSK   | /     | /     | /     | 14.114 | 14M1G7D |
| 20 | PI/2 BPSK | /     | /     | /     | 17.87  | 17M9G7D |
|    | QPSK      | 23.90 | 23.40 | 0.219 | 17.903 | 17M9G7D |
|    | 16QAM     | /     | /     | /     | 17.891 | 17M9W7D |
|    | 64QAM     | /     | /     | /     | 17.888 | 17M9W7D |
|    | 256QAM    | /     | /     | /     | 17.851 | 17M9W7D |
|    | CP-QPSK   | /     | /     | /     | 18.999 | 19M0G7D |
| 30 | PI/2 BPSK | /     | /     | /     | 28.632 | 28M6G7D |
|    | QPSK      | 23.98 | 23.48 | 0.223 | 28.511 | 28M5G7D |
|    | 16QAM     | /     | /     | /     | 28.583 | 28M6W7D |
|    | 64QAM     | /     | /     | /     | 28.541 | 28M5W7D |
|    | 256QAM    | /     | /     | /     | 28.565 | 28M6W7D |
|    | CP-QPSK   | /     | /     | /     | 28.547 | 28M6G7D |
| 40 | PI/2 BPSK | 24.05 | 23.55 | 0.226 | 38.587 | 38M6G7D |
|    | QPSK      | 24.07 | 23.57 | 0.228 | 38.612 | 38M6G7D |
|    | 16QAM     | 22.98 | 22.48 | 0.177 | 38.559 | 38M6W7D |
|    | 64QAM     | 21.24 | 20.74 | 0.119 | 38.529 | 38M5W7D |
|    | 256QAM    | 18.98 | 18.48 | 0.070 | 38.476 | 38M5W7D |
|    | CP-QPSK   | /     | /     | /     | 38.513 | 38M5G7D |

| n71             |            |                         |                   |                 |              |                     |
|-----------------|------------|-------------------------|-------------------|-----------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                 | /               | 4.4866       | 4M49G7D             |
|                 | QPSK       | 23.92                   | 18.67             | 0.074           | 4.498        | 4M50G7D             |
|                 | 16QAM      | /                       | /                 | /               | 4.4835       | 4M48W7D             |
|                 | 64QAM      | /                       | /                 | /               | 4.4753       | 4M48W7D             |
|                 | 256QAM     | /                       | /                 | /               | 4.4819       | 4M48W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 4.4769       | 4M48G7D             |
| 10              | PI/2 BPSK  | /                       | /                 | /               | 8.9177       | 8M92G7D             |
|                 | QPSK       | 23.96                   | 18.71             | 0.074           | 8.9173       | 8M92G7D             |



|                        |            |                               |                          |                        |                 |                        |
|------------------------|------------|-------------------------------|--------------------------|------------------------|-----------------|------------------------|
|                        | 16QAM      | /                             | /                        | /                      | 8.9409          | 8M94W7D                |
|                        | 64QAM      | /                             | /                        | /                      | 8.9232          | 8M92W7D                |
|                        | 256QAM     | /                             | /                        | /                      | 8.9273          | 8M93W7D                |
|                        | CP-QPSK    | /                             | /                        | /                      | 9.2855          | 9M29G7D                |
| 15                     | PI/2 BPSK  | /                             | /                        | /                      | 13.402          | 13M4G7D                |
|                        | QPSK       | 24.06                         | 18.81                    | 0.076                  | 13.423          | 13M4G7D                |
|                        | 16QAM      | /                             | /                        | /                      | 13.424          | 13M4W7D                |
|                        | 64QAM      | /                             | /                        | /                      | 13.389          | 13M4W7D                |
|                        | 256QAM     | /                             | /                        | /                      | 13.428          | 13M4W7D                |
|                        | CP-QPSK    | /                             | /                        | /                      | 14.115          | 14M1G7D                |
| 20                     | PI/2 BPSK  | 24.05                         | 18.80                    | 0.076                  | 17.867          | 17M9G7D                |
|                        | QPSK       | 24.13                         | 18.88                    | 0.077                  | 17.859          | 17M9G7D                |
|                        | 16QAM      | 23.10                         | 17.85                    | 0.061                  | 17.88           | 17M9W7D                |
|                        | 64QAM      | 21.29                         | 16.04                    | 0.040                  | 17.888          | 17M9W7D                |
|                        | 256QAM     | 19.11                         | 13.86                    | 0.024                  | 17.848          | 17M9W7D                |
|                        | CP-QPSK    | /                             | /                        | /                      | 18.914          | 18M9G7D                |
| n77(3450-3550MHz)(PC2) |            |                               |                          |                        |                 |                        |
| Bandwidth<br>(MHz)     | Modulation | Conducted<br>Average<br>(dBm) | EIRP<br>Average<br>(dBm) | EIRP<br>Average<br>(W) | 99% BW<br>(MHz) | Emission<br>Designator |
| 10                     | PI/2 BPSK  | /                             | /                        | /                      | 8.5845          | 8M58G7D                |
|                        | QPSK       | 25.17                         | 23.47                    | 0.222                  | 8.5971          | 8M60G7D                |
|                        | 16QAM      | /                             | /                        | /                      | 8.6247          | 8M62W7D                |
|                        | 64QAM      | /                             | /                        | /                      | 8.5815          | 8M58W7D                |
|                        | 256QAM     | /                             | /                        | /                      | 8.6052          | 8M61W7D                |
|                        | CP-QPSK    | /                             | /                        | /                      | 8.5942          | 8M59G7D                |
| 15                     | PI/2 BPSK  | /                             | /                        | /                      | 12.858          | 12M9G7D                |
|                        | QPSK       | 24.85                         | 23.15                    | 0.207                  | 12.855          | 12M9G7D                |
|                        | 16QAM      | /                             | /                        | /                      | 12.893          | 12M9W7D                |
|                        | 64QAM      | /                             | /                        | /                      | 12.879          | 12M9W7D                |
|                        | 256QAM     | /                             | /                        | /                      | 12.871          | 12M9W7D                |
|                        | CP-QPSK    | /                             | /                        | /                      | 12.874          | 12M9G7D                |
| 20                     | PI/2 BPSK  | /                             | /                        | /                      | 17.859          | 17M9G7D                |
|                        | QPSK       | 24.91                         | 23.21                    | 0.209                  | 17.845          | 17M9G7D                |
|                        | 16QAM      | /                             | /                        | /                      | 17.886          | 17M9W7D                |
|                        | 64QAM      | /                             | /                        | /                      | 17.862          | 17M9W7D                |
|                        | 256QAM     | /                             | /                        | /                      | 17.817          | 17M8W7D                |



|    |           |       |       |       |        |         |
|----|-----------|-------|-------|-------|--------|---------|
|    | CP-QPSK   | /     | /     | /     | 17.884 | 17M9G7D |
| 30 | PI/2 BPSK | /     | /     | /     | 26.777 | 26M8G7D |
|    | QPSK      | 25.06 | 23.36 | 0.217 | 26.818 | 26M8G7D |
|    | 16QAM     | /     | /     | /     | 26.84  | 26M8W7D |
|    | 64QAM     | /     | /     | /     | 26.786 | 26M8W7D |
|    | 256QAM    | /     | /     | /     | 26.874 | 26M9W7D |
|    | CP-QPSK   | /     | /     | /     | 26.819 | 26M8G7D |
| 40 | PI/2 BPSK | /     | /     | /     | 35.707 | 35M7G7D |
|    | QPSK      | 25.07 | 23.37 | 0.217 | 35.76  | 35M8G7D |
|    | 16QAM     | /     | /     | /     | 35.784 | 35M8W7D |
|    | 64QAM     | /     | /     | /     | 35.752 | 35M8W7D |
|    | 256QAM    | /     | /     | /     | 35.743 | 35M7W7D |
|    | CP-QPSK   | /     | /     | /     | 35.687 | 35M7G7D |
| 50 | PI/2 BPSK | /     | /     | /     | 45.709 | 45M7G7D |
|    | QPSK      | 25.16 | 23.46 | 0.222 | 45.787 | 45M8G7D |
|    | 16QAM     | /     | /     | /     | 45.863 | 45M9W7D |
|    | 64QAM     | /     | /     | /     | 45.735 | 45M7W7D |
|    | 256QAM    | /     | /     | /     | 45.732 | 45M7W7D |
|    | CP-QPSK   | /     | /     | /     | 45.718 | 45M7G7D |
| 60 | PI/2 BPSK | /     | /     | /     | 57.852 | 57M9G7D |
|    | QPSK      | 24.94 | 23.24 | 0.211 | 57.81  | 57M8G7D |
|    | 16QAM     | /     | /     | /     | 57.953 | 58M0W7D |
|    | 64QAM     | /     | /     | /     | 57.96  | 58M0W7D |
|    | 256QAM    | /     | /     | /     | 57.907 | 57M9W7D |
|    | CP-QPSK   | /     | /     | /     | 57.786 | 57M8G7D |
| 70 | PI/2 BPSK | /     | /     | /     | 64.281 | 64M3G7D |
|    | QPSK      | 25.12 | 23.42 | 0.220 | 64.33  | 64M3G7D |
|    | 16QAM     | /     | /     | /     | 64.216 | 64M2W7D |
|    | 64QAM     | /     | /     | /     | 64.161 | 64M2W7D |
|    | 256QAM    | /     | /     | /     | 64.226 | 64M2W7D |
|    | CP-QPSK   | /     | /     | /     | 64.26  | 64M3G7D |
| 80 | PI/2 BPSK | /     | /     | /     | 76.994 | 77M0G7D |
|    | QPSK      | 25.13 | 23.43 | 0.220 | 77.09  | 77M1G7D |
|    | 16QAM     | /     | /     | /     | 77.174 | 77M2W7D |
|    | 64QAM     | /     | /     | /     | 77.131 | 77M1W7D |
|    | 256QAM    | /     | /     | /     | 77.069 | 77M1W7D |
|    | CP-QPSK   | /     | /     | /     | 77.105 | 77M1G7D |



|     |           |       |       |       |        |         |
|-----|-----------|-------|-------|-------|--------|---------|
| 90  | PI/2 BPSK | /     | /     | /     | 86.711 | 86M7G7D |
|     | QPSK      | 25.11 | 23.41 | 0.219 | 86.644 | 86M6G7D |
|     | 16QAM     | /     | /     | /     | 86.741 | 86M7W7D |
|     | 64QAM     | /     | /     | /     | 86.734 | 86M7W7D |
|     | 256QAM    | /     | /     | /     | 86.724 | 86M7W7D |
|     | CP-QPSK   | /     | /     | /     | 86.734 | 86M7G7D |
| 100 | PI/2 BPSK | 25.16 | 23.46 | 0.222 | 96.354 | 96M4G7D |
|     | QPSK      | 25.19 | 23.49 | 0.223 | 96.28  | 96M3G7D |
|     | 16QAM     | 23.96 | 22.26 | 0.168 | 96.395 | 96M4W7D |
|     | 64QAM     | 23.09 | 21.39 | 0.138 | 96.242 | 96M2W7D |
|     | 256QAM    | 21.09 | 19.39 | 0.087 | 96.292 | 96M3W7D |
|     | CP-QPSK   | /     | /     | /     | 96.366 | 96M4G7D |

| n77(3700-3980MHz)(PC2) |            |                         |                    |                  |              |                     |
|------------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz)        | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 10                     | PI/2 BPSK  | /                       | /                  | /                | 8.5856       | 8M59G7D             |
|                        | QPSK       | 24.83                   | 23.13              | 0.206            | 8.5691       | 8M57G7D             |
|                        | 16QAM      | /                       | /                  | /                | 8.5962       | 8M60W7D             |
|                        | 64QAM      | /                       | /                  | /                | 8.5845       | 8M58W7D             |
|                        | 256QAM     | /                       | /                  | /                | 8.5827       | 8M58W7D             |
|                        | CP-QPSK    | /                       | /                  | /                | 8.5808       | 8M58G7D             |
| 15                     | PI/2 BPSK  | /                       | /                  | /                | 12.855       | 12M9G7D             |
|                        | QPSK       | 24.81                   | 23.11              | 0.205            | 12.855       | 12M9G7D             |
|                        | 16QAM      | /                       | /                  | /                | 12.885       | 12M9W7D             |
|                        | 64QAM      | /                       | /                  | /                | 12.875       | 12M9W7D             |
|                        | 256QAM     | /                       | /                  | /                | 12.84        | 12M8W7D             |
|                        | CP-QPSK    | /                       | /                  | /                | 12.882       | 12M9G7D             |
| 20                     | PI/2 BPSK  | /                       | /                  | /                | 17.84        | 17M8G7D             |
|                        | QPSK       | 24.73                   | 23.03              | 0.201            | 17.823       | 17M8G7D             |
|                        | 16QAM      | /                       | /                  | /                | 17.892       | 17M9W7D             |
|                        | 64QAM      | /                       | /                  | /                | 17.825       | 17M8W7D             |
|                        | 256QAM     | /                       | /                  | /                | 17.842       | 17M8W7D             |
|                        | CP-QPSK    | /                       | /                  | /                | 17.878       | 17M9G7D             |
| 30                     | PI/2 BPSK  | /                       | /                  | /                | 26.763       | 26M8G7D             |
|                        | QPSK       | 24.88                   | 23.18              | 0.208            | 26.844       | 26M8G7D             |



|    |           |       |       |       |        |         |
|----|-----------|-------|-------|-------|--------|---------|
|    | 16QAM     | /     | /     | /     | 26.806 | 26M8W7D |
|    | 64QAM     | /     | /     | /     | 26.792 | 26M8W7D |
|    | 256QAM    | /     | /     | /     | 26.815 | 26M8W7D |
|    | CP-QPSK   | /     | /     | /     | 26.82  | 26M8G7D |
| 40 | PI/2 BPSK | /     | /     | /     | 35.752 | 35M8G7D |
|    | QPSK      | 24.73 | 23.03 | 0.201 | 35.772 | 35M8G7D |
|    | 16QAM     | /     | /     | /     | 35.831 | 35M8W7D |
|    | 64QAM     | /     | /     | /     | 35.793 | 35M8W7D |
|    | 256QAM    | /     | /     | /     | 35.776 | 35M8W7D |
|    | CP-QPSK   | /     | /     | /     | 35.705 | 35M7G7D |
| 50 | PI/2 BPSK | /     | /     | /     | 45.754 | 45M8G7D |
|    | QPSK      | 24.93 | 23.23 | 0.210 | 45.745 | 45M8G7D |
|    | 16QAM     | /     | /     | /     | 45.839 | 45M8W7D |
|    | 64QAM     | /     | /     | /     | 45.771 | 45M8W7D |
|    | 256QAM    | /     | /     | /     | 45.776 | 45M8W7D |
|    | CP-QPSK   | /     | /     | /     | 45.667 | 45M7G7D |
| 60 | PI/2 BPSK | /     | /     | /     | 57.878 | 57M9G7D |
|    | QPSK      | 24.72 | 23.02 | 0.200 | 57.828 | 57M8G7D |
|    | 16QAM     | /     | /     | /     | 57.809 | 57M8W7D |
|    | 64QAM     | /     | /     | /     | 57.866 | 57M9W7D |
|    | 256QAM    | /     | /     | /     | 57.954 | 58M0W7D |
|    | CP-QPSK   | /     | /     | /     | 57.729 | 57M7G7D |
| 70 | PI/2 BPSK | /     | /     | /     | 64.321 | 64M3G7D |
|    | QPSK      | 24.93 | 23.23 | 0.210 | 64.183 | 64M2G7D |
|    | 16QAM     | /     | /     | /     | 64.239 | 64M2W7D |
|    | 64QAM     | /     | /     | /     | 64.266 | 64M3W7D |
|    | 256QAM    | /     | /     | /     | 64.234 | 64M2W7D |
|    | CP-QPSK   | /     | /     | /     | 64.21  | 64M2G7D |
| 80 | PI/2 BPSK | /     | /     | /     | 77.072 | 77M1G7D |
|    | QPSK      | 24.95 | 23.25 | 0.211 | 77.135 | 77M1G7D |
|    | 16QAM     | /     | /     | /     | 77.202 | 77M2W7D |
|    | 64QAM     | /     | /     | /     | 77.183 | 77M2W7D |
|    | 256QAM    | /     | /     | /     | 77.065 | 77M1W7D |
|    | CP-QPSK   | /     | /     | /     | 77.136 | 77M1G7D |
| 90 | PI/2 BPSK | /     | /     | /     | 86.733 | 86M7G7D |
|    | QPSK      | 24.85 | 23.15 | 0.207 | 86.66  | 86M7G7D |
|    | 16QAM     | /     | /     | /     | 86.732 | 86M7W7D |



|     |           |       |       |       |        |         |
|-----|-----------|-------|-------|-------|--------|---------|
|     | 64QAM     | /     | /     | /     | 86.792 | 86M8W7D |
|     | 256QAM    | /     | /     | /     | 86.804 | 86M8W7D |
|     | CP-QPSK   | /     | /     | /     | 86.83  | 86M8G7D |
| 100 | PI/2 BPSK | 24.95 | 23.25 | 0.211 | 96.388 | 96M4G7D |
|     | QPSK      | 25.06 | 23.36 | 0.217 | 96.376 | 96M4G7D |
|     | 16QAM     | 23.83 | 22.13 | 0.163 | 96.43  | 96M4W7D |
|     | 64QAM     | 22.47 | 20.77 | 0.119 | 96.37  | 96M4W7D |
|     | 256QAM    | 20.25 | 18.55 | 0.072 | 96.367 | 96M4W7D |
|     | CP-QPSK   | /     | /     | /     | 96.524 | 96M5G7D |

| n77(3450-3550MHz)(PC3) |            |                         |                    |                  |              |                     |
|------------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz)        | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 10                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                        | QPSK       | 24.14                   | 22.44              | 0.175            | /            | /                   |
|                        | 16QAM      | /                       | /                  | /                | /            | /                   |
|                        | 64QAM      | /                       | /                  | /                | /            | /                   |
|                        | 256QAM     | /                       | /                  | /                | /            | /                   |
|                        | CP-QPSK    | /                       | /                  | /                | /            | /                   |
| 15                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                        | QPSK       | 24.17                   | 22.47              | 0.177            | /            | /                   |
|                        | 16QAM      | /                       | /                  | /                | /            | /                   |
|                        | 64QAM      | /                       | /                  | /                | /            | /                   |
|                        | 256QAM     | /                       | /                  | /                | /            | /                   |
|                        | CP-QPSK    | /                       | /                  | /                | /            | /                   |
| 20                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                        | QPSK       | 24.18                   | 22.48              | 0.177            | /            | /                   |
|                        | 16QAM      | /                       | /                  | /                | /            | /                   |
|                        | 64QAM      | /                       | /                  | /                | /            | /                   |
|                        | 256QAM     | /                       | /                  | /                | /            | /                   |
|                        | CP-QPSK    | /                       | /                  | /                | /            | /                   |
| 30                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                        | QPSK       | 24.16                   | 22.46              | 0.176            | /            | /                   |
|                        | 16QAM      | /                       | /                  | /                | /            | /                   |
|                        | 64QAM      | /                       | /                  | /                | /            | /                   |
|                        | 256QAM     | /                       | /                  | /                | /            | /                   |



|    |           |       |       |       |   |   |
|----|-----------|-------|-------|-------|---|---|
|    | CP-QPSK   | /     | /     | /     | / | / |
| 40 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.16 | 22.46 | 0.176 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
|    | CP-QPSK   | /     | /     | /     | / | / |
| 50 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.19 | 22.49 | 0.177 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
|    | CP-QPSK   | /     | /     | /     | / | / |
| 60 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.16 | 22.46 | 0.176 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
|    | CP-QPSK   | /     | /     | /     | / | / |
| 70 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.15 | 22.45 | 0.176 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
|    | CP-QPSK   | /     | /     | /     | / | / |
| 80 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.20 | 22.50 | 0.178 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
|    | CP-QPSK   | /     | /     | /     | / | / |
| 90 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.14 | 22.44 | 0.175 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
|    | CP-QPSK   | /     | /     | /     | / | / |



|     |           |       |       |       |   |   |
|-----|-----------|-------|-------|-------|---|---|
| 100 | PI/2 BPSK | 24.20 | 22.50 | 0.178 | / | / |
|     | QPSK      | 24.22 | 22.52 | 0.179 | / | / |
|     | 16QAM     | 24.03 | 22.33 | 0.171 | / | / |
|     | 64QAM     | 22.28 | 20.58 | 0.114 | / | / |
|     | 256QAM    | 20.46 | 18.76 | 0.075 | / | / |
|     | CP-QPSK   | /     | /     | /     | / | / |

| n77(3700-3980MHz)(PC3) |            |                               |                          |                        |                 |                        |
|------------------------|------------|-------------------------------|--------------------------|------------------------|-----------------|------------------------|
| Bandwidth<br>(MHz)     | Modulation | Conducted<br>Average<br>(dBm) | EIRP<br>Average<br>(dBm) | EIRP<br>Average<br>(W) | 99% BW<br>(MHz) | Emission<br>Designator |
| 10                     | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                        | QPSK       | 23.78                         | 22.08                    | 0.161                  | /               | /                      |
|                        | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                        | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                        | 256QAM     | /                             | /                        | /                      | /               | /                      |
| 15                     | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                        | QPSK       | 23.82                         | 22.12                    | 0.163                  | /               | /                      |
|                        | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                        | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                        | 256QAM     | /                             | /                        | /                      | /               | /                      |
| 20                     | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                        | QPSK       | 23.88                         | 22.18                    | 0.165                  | /               | /                      |
|                        | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                        | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                        | 256QAM     | /                             | /                        | /                      | /               | /                      |
| 30                     | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                        | QPSK       | 23.97                         | 22.27                    | 0.169                  | /               | /                      |
|                        | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                        | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                        | 256QAM     | /                             | /                        | /                      | /               | /                      |
| 40                     | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                        | QPSK       | 23.87                         | 22.17                    | 0.165                  | /               | /                      |
|                        | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                        | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                        | 256QAM     | /                             | /                        | /                      | /               | /                      |
| 50                     | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |



|     |           |       |       |       |   |   |
|-----|-----------|-------|-------|-------|---|---|
|     | QPSK      | 24.03 | 22.33 | 0.171 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
| 60  | PI/2 BPSK | /     | /     | /     | / | / |
|     | QPSK      | 23.96 | 22.26 | 0.168 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
| 70  | PI/2 BPSK | /     | /     | /     | / | / |
|     | QPSK      | 24.03 | 22.33 | 0.171 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
| 80  | PI/2 BPSK | /     | /     | /     | / | / |
|     | QPSK      | 24.10 | 22.40 | 0.174 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
| 90  | PI/2 BPSK | /     | /     | /     | / | / |
|     | QPSK      | 24.15 | 22.45 | 0.176 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
| 100 | PI/2 BPSK | 24.20 | 22.50 | 0.178 | / | / |
|     | QPSK      | 24.24 | 22.54 | 0.179 | / | / |
|     | 16QAM     | 24.04 | 22.34 | 0.171 | / | / |
|     | 64QAM     | 22.42 | 20.72 | 0.118 | / | / |
|     | 256QAM    | 20.56 | 18.86 | 0.077 | / | / |

| n78(3450-3550MHz)(PC2) |            |                         |                    |                  |              |                     |
|------------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz)        | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 10                     | PI/2 BPSK  | /                       | /                  | /                | 8.5854       | 8M59G7D             |
|                        | QPSK       | 26.15                   | 23.65              | 0.232            | 8.6057       | 8M61G7D             |
|                        | 16QAM      | /                       | /                  | /                | 8.6301       | 8M63W7D             |



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|    |           |       |       |       |        |         |
|----|-----------|-------|-------|-------|--------|---------|
|    | 64QAM     | /     | /     | /     | 8.6393 | 8M64W7D |
|    | 256QAM    | /     | /     | /     | 8.5949 | 8M59W7D |
| 15 | PI/2 BPSK | /     | /     | /     | 12.871 | 12M9G7D |
|    | QPSK      | 26.13 | 23.63 | 0.231 | 12.851 | 12M9G7D |
|    | 16QAM     | /     | /     | /     | 12.883 | 12M9W7D |
|    | 64QAM     | /     | /     | /     | 12.871 | 12M9W7D |
|    | 256QAM    | /     | /     | /     | 12.866 | 12M9W7D |
| 20 | PI/2 BPSK | /     | /     | /     | 17.854 | 17M9G7D |
|    | QPSK      | 26.11 | 23.61 | 0.230 | 17.828 | 17M8G7D |
|    | 16QAM     | /     | /     | /     | 17.904 | 17M9W7D |
|    | 64QAM     | /     | /     | /     | 17.845 | 17M9W7D |
|    | 256QAM    | /     | /     | /     | 17.864 | 17M9W7D |
| 30 | PI/2 BPSK | /     | /     | /     | 26.795 | 26M8G7D |
|    | QPSK      | 26.20 | 23.70 | 0.234 | 26.814 | 26M8G7D |
|    | 16QAM     | /     | /     | /     | 26.869 | 26M9W7D |
|    | 64QAM     | /     | /     | /     | 26.808 | 26M8W7D |
|    | 256QAM    | /     | /     | /     | 26.857 | 26M9W7D |
| 40 | PI/2 BPSK | /     | /     | /     | 35.72  | 35M7G7D |
|    | QPSK      | 26.14 | 23.64 | 0.231 | 35.785 | 35M8G7D |
|    | 16QAM     | /     | /     | /     | 35.833 | 35M8W7D |
|    | 64QAM     | /     | /     | /     | 35.844 | 35M8W7D |
|    | 256QAM    | /     | /     | /     | 35.763 | 35M8W7D |
| 50 | PI/2 BPSK | /     | /     | /     | 45.772 | 45M8G7D |
|    | QPSK      | 26.07 | 23.57 | 0.228 | 45.803 | 45M8G7D |
|    | 16QAM     | /     | /     | /     | 45.804 | 45M8W7D |
|    | 64QAM     | /     | /     | /     | 45.717 | 45M7W7D |
|    | 256QAM    | /     | /     | /     | 45.79  | 45M8W7D |
| 60 | PI/2 BPSK | /     | /     | /     | 57.863 | 57M9G7D |
|    | QPSK      | 26.10 | 23.60 | 0.229 | 57.973 | 58M0G7D |
|    | 16QAM     | /     | /     | /     | 57.861 | 57M9W7D |
|    | 64QAM     | /     | /     | /     | 57.882 | 57M9W7D |
|    | 256QAM    | /     | /     | /     | 57.95  | 58M0W7D |
| 70 | PI/2 BPSK | /     | /     | /     | 64.232 | 64M2G7D |
|    | QPSK      | 26.21 | 23.71 | 0.235 | 64.28  | 64M3G7D |
|    | 16QAM     | /     | /     | /     | 64.176 | 64M2W7D |
|    | 64QAM     | /     | /     | /     | 64.191 | 64M2W7D |
|    | 256QAM    | /     | /     | /     | 64.21  | 64M2W7D |



|     |           |       |       |       |        |         |
|-----|-----------|-------|-------|-------|--------|---------|
| 80  | PI/2 BPSK | /     | /     | /     | 76.977 | 77M0G7D |
|     | QPSK      | 26.22 | 23.72 | 0.236 | 77.122 | 77M1G7D |
|     | 16QAM     | /     | /     | /     | 77.207 | 77M2W7D |
|     | 64QAM     | /     | /     | /     | 77.131 | 77M1W7D |
|     | 256QAM    | /     | /     | /     | 77.093 | 77M1W7D |
| 90  | PI/2 BPSK | /     | /     | /     | 86.699 | 86M7G7D |
|     | QPSK      | 26.24 | 23.74 | 0.237 | 86.619 | 86M6G7D |
|     | 16QAM     | /     | /     | /     | 86.691 | 86M7W7D |
|     | 64QAM     | /     | /     | /     | 86.771 | 86M8W7D |
|     | 256QAM    | /     | /     | /     | 86.745 | 86M8W7D |
| 100 | PI/2 BPSK | 26.20 | 23.70 | 0.234 | 96.293 | 96M3G7D |
|     | QPSK      | 26.25 | 23.75 | 0.237 | 96.373 | 96M4G7D |
|     | 16QAM     | 25.40 | 22.90 | 0.195 | 96.264 | 96M3W7D |
|     | 64QAM     | 23.64 | 21.14 | 0.130 | 96.273 | 96M3W7D |
|     | 256QAM    | 21.76 | 19.26 | 0.084 | 96.265 | 96M3W7D |

| n78(3700-3800MHz)(PC2) |            |                         |                    |                  |              |                     |
|------------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz)        | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 10                     | PI/2 BPSK  | /                       | /                  | /                | 8.5668       | 8M57G7D             |
|                        | QPSK       | 26.00                   | 23.50              | 0.224            | 8.5801       | 8M58G7D             |
|                        | 16QAM      | /                       | /                  | /                | 8.6233       | 8M62W7D             |
|                        | 64QAM      | /                       | /                  | /                | 8.588        | 8M59W7D             |
|                        | 256QAM     | /                       | /                  | /                | 8.5822       | 8M58W7D             |
| 15                     | PI/2 BPSK  | /                       | /                  | /                | 12.872       | 12M9G7D             |
|                        | QPSK       | 26.02                   | 23.52              | 0.225            | 12.864       | 12M9G7D             |
|                        | 16QAM      | /                       | /                  | /                | 12.903       | 12M9W7D             |
|                        | 64QAM      | /                       | /                  | /                | 12.86        | 12M9W7D             |
|                        | 256QAM     | /                       | /                  | /                | 12.861       | 12M9W7D             |
| 20                     | PI/2 BPSK  | /                       | /                  | /                | 17.802       | 17M8G7D             |
|                        | QPSK       | 25.93                   | 23.43              | 0.220            | 17.826       | 17M8G7D             |
|                        | 16QAM      | /                       | /                  | /                | 17.866       | 17M9W7D             |
|                        | 64QAM      | /                       | /                  | /                | 17.82        | 17M8W7D             |
|                        | 256QAM     | /                       | /                  | /                | 17.868       | 17M9W7D             |
| 30                     | PI/2 BPSK  | /                       | /                  | /                | 26.789       | 26M8G7D             |
|                        | QPSK       | 26.07                   | 23.57              | 0.228            | 26.805       | 26M8G7D             |



|     |           |       |       |       |        |         |
|-----|-----------|-------|-------|-------|--------|---------|
|     | 16QAM     | /     | /     | /     | 26.849 | 26M9W7D |
|     | 64QAM     | /     | /     | /     | 26.813 | 26M8W7D |
|     | 256QAM    | /     | /     | /     | 26.827 | 26M8W7D |
| 40  | PI/2 BPSK | /     | /     | /     | 35.785 | 35M8G7D |
|     | QPSK      | 26.00 | 23.50 | 0.224 | 35.773 | 35M8G7D |
|     | 16QAM     | /     | /     | /     | 35.79  | 35M8W7D |
|     | 64QAM     | /     | /     | /     | 35.812 | 35M8W7D |
|     | 256QAM    | /     | /     | /     | 35.805 | 35M8W7D |
| 50  | PI/2 BPSK | /     | /     | /     | 45.77  | 45M8G7D |
|     | QPSK      | 26.08 | 23.58 | 0.228 | 45.736 | 45M7G7D |
|     | 16QAM     | /     | /     | /     | 45.807 | 45M8W7D |
|     | 64QAM     | /     | /     | /     | 45.73  | 45M7W7D |
|     | 256QAM    | /     | /     | /     | 45.735 | 45M7W7D |
| 60  | PI/2 BPSK | /     | /     | /     | 57.885 | 57M9G7D |
|     | QPSK      | 25.89 | 23.39 | 0.218 | 57.88  | 57M9G7D |
|     | 16QAM     | /     | /     | /     | 57.797 | 57M8W7D |
|     | 64QAM     | /     | /     | /     | 57.887 | 57M9W7D |
|     | 256QAM    | /     | /     | /     | 57.935 | 57M9W7D |
| 70  | PI/2 BPSK | /     | /     | /     | 64.286 | 64M3G7D |
|     | QPSK      | 26.04 | 23.54 | 0.226 | 64.387 | 64M4G7D |
|     | 16QAM     | /     | /     | /     | 64.258 | 64M3W7D |
|     | 64QAM     | /     | /     | /     | 64.225 | 64M2W7D |
|     | 256QAM    | /     | /     | /     | 64.216 | 64M2W7D |
| 80  | PI/2 BPSK | /     | /     | /     | 76.993 | 77M0G7D |
|     | QPSK      | 26.04 | 23.54 | 0.226 | 77.163 | 77M2G7D |
|     | 16QAM     | /     | /     | /     | 77.21  | 77M2W7D |
|     | 64QAM     | /     | /     | /     | 77.158 | 77M2W7D |
|     | 256QAM    | /     | /     | /     | 77.148 | 77M2W7D |
| 90  | PI/2 BPSK | /     | /     | /     | 86.723 | 86M7G7D |
|     | QPSK      | 25.98 | 23.48 | 0.223 | 86.766 | 86M8G7D |
|     | 16QAM     | /     | /     | /     | 86.819 | 86M8W7D |
|     | 64QAM     | /     | /     | /     | 86.725 | 86M7W7D |
|     | 256QAM    | /     | /     | /     | 86.652 | 86M7W7D |
| 100 | PI/2 BPSK | 25.99 | 23.49 | 0.223 | 96.385 | 96M4G7D |
|     | QPSK      | 26.08 | 23.58 | 0.228 | 96.14  | 96M1G7D |
|     | 16QAM     | 24.69 | 22.19 | 0.166 | 96.414 | 96M4W7D |
|     | 64QAM     | 23.29 | 20.79 | 0.120 | 96.479 | 96M5W7D |



|  |        |       |       |       |        |         |
|--|--------|-------|-------|-------|--------|---------|
|  | 256QAM | 21.05 | 18.55 | 0.072 | 96.368 | 96M4W7D |
|--|--------|-------|-------|-------|--------|---------|

| n78(3450-3550MHz)(PC3) |            |                         |                    |                  |              |                     |
|------------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz)        | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 10                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                        | QPSK       | 24.16                   | 21.66              | 0.147            | /            | /                   |
|                        | 16QAM      | /                       | /                  | /                | /            | /                   |
|                        | 64QAM      | /                       | /                  | /                | /            | /                   |
|                        | 256QAM     | /                       | /                  | /                | /            | /                   |
| 15                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                        | QPSK       | 24.19                   | 21.69              | 0.148            | /            | /                   |
|                        | 16QAM      | /                       | /                  | /                | /            | /                   |
|                        | 64QAM      | /                       | /                  | /                | /            | /                   |
|                        | 256QAM     | /                       | /                  | /                | /            | /                   |
| 20                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                        | QPSK       | 24.03                   | 21.53              | 0.142            | /            | /                   |
|                        | 16QAM      | /                       | /                  | /                | /            | /                   |
|                        | 64QAM      | /                       | /                  | /                | /            | /                   |
|                        | 256QAM     | /                       | /                  | /                | /            | /                   |
| 30                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                        | QPSK       | 24.20                   | 21.70              | 0.148            | /            | /                   |
|                        | 16QAM      | /                       | /                  | /                | /            | /                   |
|                        | 64QAM      | /                       | /                  | /                | /            | /                   |
|                        | 256QAM     | /                       | /                  | /                | /            | /                   |
| 40                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                        | QPSK       | 24.13                   | 21.63              | 0.146            | /            | /                   |
|                        | 16QAM      | /                       | /                  | /                | /            | /                   |
|                        | 64QAM      | /                       | /                  | /                | /            | /                   |
|                        | 256QAM     | /                       | /                  | /                | /            | /                   |
| 50                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                        | QPSK       | 24.11                   | 21.61              | 0.145            | /            | /                   |
|                        | 16QAM      | /                       | /                  | /                | /            | /                   |
|                        | 64QAM      | /                       | /                  | /                | /            | /                   |
|                        | 256QAM     | /                       | /                  | /                | /            | /                   |
| 60                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |



|     |           |       |       |       |   |   |
|-----|-----------|-------|-------|-------|---|---|
|     | QPSK      | 24.02 | 21.52 | 0.142 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
| 70  | PI/2 BPSK | /     | /     | /     | / | / |
|     | QPSK      | 24.16 | 21.66 | 0.147 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
| 80  | PI/2 BPSK | /     | /     | /     | / | / |
|     | QPSK      | 24.11 | 21.61 | 0.145 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
| 90  | PI/2 BPSK | /     | /     | /     | / | / |
|     | QPSK      | 24.18 | 21.68 | 0.147 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
| 100 | PI/2 BPSK | 24.21 | 21.71 | 0.148 | / | / |
|     | QPSK      | 24.23 | 21.73 | 0.149 | / | / |
|     | 16QAM     | 24.09 | 21.59 | 0.144 | / | / |
|     | 64QAM     | 23.34 | 20.84 | 0.121 | / | / |
|     | 256QAM    | 21.43 | 18.93 | 0.078 | / | / |

| n78(3700-3800MHz)(PC3) |            |                         |                    |                  |              |                     |
|------------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz)        | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 10                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                        | QPSK       | 24.05                   | 21.55              | 0.143            | /            | /                   |
|                        | 16QAM      | /                       | /                  | /                | /            | /                   |
|                        | 64QAM      | /                       | /                  | /                | /            | /                   |
|                        | 256QAM     | /                       | /                  | /                | /            | /                   |
| 15                     | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                        | QPSK       | 24.10                   | 21.60              | 0.145            | /            | /                   |
|                        | 16QAM      | /                       | /                  | /                | /            | /                   |



|    |           |       |       |       |   |   |
|----|-----------|-------|-------|-------|---|---|
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
| 20 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.15 | 21.65 | 0.146 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
| 30 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.11 | 21.61 | 0.145 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
| 40 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.12 | 21.62 | 0.145 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
| 50 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.12 | 21.62 | 0.145 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
| 60 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.04 | 21.54 | 0.143 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
| 70 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.03 | 21.53 | 0.142 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
| 80 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 24.03 | 21.53 | 0.142 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |



|     |           |       |       |       |   |   |
|-----|-----------|-------|-------|-------|---|---|
| 90  | PI/2 BPSK | /     | /     | /     | / | / |
|     | QPSK      | 24.10 | 21.60 | 0.145 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
| 100 | PI/2 BPSK | 24.06 | 21.56 | 0.143 | / | / |
|     | QPSK      | 24.16 | 21.66 | 0.147 | / | / |
|     | 16QAM     | 23.86 | 21.36 | 0.137 | / | / |
|     | 64QAM     | 23.17 | 20.67 | 0.117 | / | / |
|     | 256QAM    | 21.23 | 18.73 | 0.075 | / | / |

## 1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24, Part 27, Part 90 and Part96 for the EUT FCC ID Certification:

| No | Identity       | Document Title                                                                |
|----|----------------|-------------------------------------------------------------------------------|
| 1  | 47 CFR Part 2  | Frequency Allocations and Radio Treaty Matters; General Rules and Regulations |
| 2  | 47 CFR Part 22 | Public Mobile Services                                                        |
| 3  | 47 CFR Part 24 | Personal Communications Services                                              |
| 4  | 47 CFR Part 27 | Miscellaneous Wireless Communications Services                                |
| 5  | 47 CFR Part 90 | Miscellaneous Wireless Communications Services                                |
| 6  | 47 CFR Part 96 | CITIZENS BROADBAND RADIO SERVICE                                              |

| n2 & n25                                         |                        |                                |        |
|--------------------------------------------------|------------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.           | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §24.232(c)    | EIRP ≤ 2 W                     | PASS   |
| Peak-Average Ratio                               | §24.232(d)             | Limit≤13 dB                    | PASS   |
| Bandwidth                                        | §2.1049                | OBW: No limit<br>EBW: No limit | PASS   |
| Band Edges Compliance                            | §2.1051, §24.238(a)(b) | Refer to section 2.6           | PASS   |



|                                        |                           |                     |      |
|----------------------------------------|---------------------------|---------------------|------|
| Spurious Emission at Antenna Terminals | §2.1051,<br>§24.238(a)(b) | $\leq -13$ dBm/1MHz | PASS |
| Field Strength of Spurious Radiation   | §2.1053,<br>§24.238(a)    | $\leq -13$ dBm/1MHz | PASS |
| Frequency Stability                    | §2.1055,<br>§24.235       | No limit            | N/A  |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

| n5& n26(824-849MHz)                              |                           |                                |        |
|--------------------------------------------------|---------------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.              | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§22.913(a)(5) | ERP $\leq 7$ W                 | PASS   |
| Peak-Average Ratio                               | N/A                       | N/A                            | N/A    |
| Bandwidth                                        | §2.1049                   | OBW: No limit<br>EBW: No limit | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§22.917(a)(b) | Refer to section 2.6           | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§22.917(a)    | $\leq -13$ dBm/1MHz            | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§22.917(a)    | $\leq -13$ dBm/1MHz            | PASS   |
| Frequency Stability                              | §2.1055,<br>§22.355       | $\leq \pm 2.5$ ppm             | PASS   |

| n7 & n38 & n41                                   |                          |                                |        |
|--------------------------------------------------|--------------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.             | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§27.50(h)(2) | EIRP $\leq 2$ W                | PASS   |
| Peak-Average Ratio                               | N/A                      | N/A                            | N/A    |
| Bandwidth                                        | §2.1049                  | OBW: No limit<br>EBW: No limit | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§27.53(m)(4) | Refer to section 2.6           | PASS   |



|                                        |                          |                     |      |
|----------------------------------------|--------------------------|---------------------|------|
| Spurious Emission at Antenna Terminals | §2.1051,<br>§27.53(m)(4) | $\leq -25$ dBm/1MHz | PASS |
| Field Strength of Spurious Radiation   | §2.1053,<br>§27.53(m)(4) | $\leq -25$ dBm/1MHz | PASS |
| Frequency Stability                    | §2.1055,<br>§27.54       | No limit            | N/A  |

| n12                                              |                           |                                |        |
|--------------------------------------------------|---------------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.              | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§27.50(c)(10) | ERP $\leq 3$ W                 | PASS   |
| Peak-Average Ratio                               | N/A                       | N/A                            | N/A    |
| Bandwidth                                        | §2.1049                   | OBW: No limit<br>EBW: No limit | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§27.53(g)     | Refer to section 2.6           | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§27.53(g)     | $\leq -13$ dBm/1MHz            | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§27.53(g)     | $\leq -13$ dBm/1MHz            | PASS   |
| Frequency Stability                              | §2.1055,<br>§27.54        | No limit                       | N/A    |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

| n26(814-824MHz)                                  |                        |                                |        |
|--------------------------------------------------|------------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.           | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§90.635(b) | ERP $\leq 3$ W                 | PASS   |
| Peak-Average Ratio                               | N/A                    | N/A                            | N/A    |
| Bandwidth                                        | §2.1049                | OBW: No limit<br>EBW: No limit | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§90.691(a) | Refer to section 2.6           | PASS   |



|                                        |                        |                     |      |
|----------------------------------------|------------------------|---------------------|------|
| Spurious Emission at Antenna Terminals | §2.1051,<br>§90.691(a) | $\leq -13$ dBm/1MHz | PASS |
| Field Strength of Spurious Radiation   | §2.1053,<br>§90.691(a) | $\leq -13$ dBm/1MHz | PASS |
| Frequency Stability                    | §2.1055,<br>§90.543    | No limit            | N/A  |

| n30                                              |                          |                                |        |
|--------------------------------------------------|--------------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.             | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§27.50(a)(3) | ERP $\leq 250$ mW              | PASS   |
| Peak-Average Ratio                               | N/A                      | N/A                            | N/A    |
| Bandwidth                                        | §2.1049                  | OBW: No limit<br>EBW: No limit | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§27.53(a)    | Refer to section 2.6           | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§27.53       | $\leq -40$ dBm/1MHz            | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§27.53       | $\leq -40$ dBm/1MHz            | PASS   |
| Frequency Stability                              | §2.1055,<br>§27.54       | No limit                       | N/A    |

| n48                                              |                       |                                |        |
|--------------------------------------------------|-----------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.          | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§96.41(b) | Refer to section 2.1           | PASS   |
| Peak-Average Ratio                               | §96.39(g)             | $\leq 13$ dB                   | PASS   |
| Bandwidth                                        | §2.1049               | OBW: No limit<br>EBW: No limit | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§96.41(e) | Refer to section 2.6           | PASS   |



|                                        |                       |                     |      |
|----------------------------------------|-----------------------|---------------------|------|
| Spurious Emission at Antenna Terminals | §2.1051,<br>§96.41(e) | $\leq -40$ dBm/1MHz | PASS |
| Field Strength of Spurious Radiation   | §2.1053,<br>§96.41(e) | $\leq -40$ dBm/1MHz | PASS |
| Frequency Stability                    | §2.1055,<br>§27.54    | No limit            | N/A  |

| n66                                              |                                             |                                  |        |
|--------------------------------------------------|---------------------------------------------|----------------------------------|--------|
| Item                                             | FCC Rule No.                                | Requirements                     | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§27.50(d)(4)                    | EIRP $\leq 1$ W                  | PASS   |
| Peak-Average Ratio                               | §27.50(d) (5)                               | Limit $\leq 13$ dB               | PASS   |
| Bandwidth                                        | §2.1049                                     | OBW: No limit.<br>EBW: No limit. | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§27.53(h)(1)<br>§27.53(h)(3)(i) | Refer to section 2.6             | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§27.53(h)(1)                    | $\leq -13$ dBm/1MHz              | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§27.53(h)(1)                    | $\leq -13$ dBm/1MHz.             | PASS   |
| Frequency Stability                              | §2.1055,<br>§27.54                          | No limit                         | N/A    |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

| n71                                              |                           |                                |        |
|--------------------------------------------------|---------------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.              | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§27.50(c)(10) | ERP $\leq 3$ W                 | PASS   |
| Peak-Average Ratio                               | N/A                       | N/A                            | N/A    |
| Bandwidth                                        | §2.1049                   | OBW: No limit<br>EBW: No limit | PASS   |



|                                        |                       |                      |      |
|----------------------------------------|-----------------------|----------------------|------|
| Band Edges Compliance                  | §2.1051,<br>§27.53(g) | Refer to section 2.6 | PASS |
| Spurious Emission at Antenna Terminals | §2.1051,<br>§27.53(g) | $\leq -13$ dBm/1MHz  | PASS |
| Field Strength of Spurious Radiation   | §2.1053,<br>§27.53(g) | $\leq -13$ dBm/1MHz  | PASS |
| Frequency Stability                    | §2.1055,<br>§27.54    | No limit             | N/A  |

| n77(3450~3550MHz) & n78(3450~3550MHz)            |                          |                                  |        |
|--------------------------------------------------|--------------------------|----------------------------------|--------|
| Item                                             | FCC Rule No.             | Requirements                     | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§27.50(K)(3) | EIRP $\leq 1$ W                  | PASS   |
| Peak-Average Ratio                               | §27.50(K)(4)             | $\leq 13$ dB                     | PASS   |
| Bandwidth                                        | §2.1049                  | OBW: No limit.<br>EBW: No limit. | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§27.53(l)(2) | Refer to section 2.6             | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§27.53(l)(2) | $\leq -13$ dBm/1MHz              | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§27.53(l)(2) | $\leq -13$ dBm/1MHz.             | PASS   |
| Frequency Stability                              | §2.1055,<br>§27.54       | No limit                         | N/A    |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

| n77(3700~3980MHz) & n78(3700~3800MHz)            |                          |                                  |        |
|--------------------------------------------------|--------------------------|----------------------------------|--------|
| Item                                             | FCC Rule No.             | Requirements                     | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§27.50(j)(3) | EIRP $\leq 1$ W                  | PASS   |
| Peak-Average Ratio                               | §27.50(j)(4)             | $\leq 13$ dB                     | PASS   |
| Bandwidth                                        | §2.1049                  | OBW: No limit.<br>EBW: No limit. | PASS   |



|                                           |                          |                      |      |
|-------------------------------------------|--------------------------|----------------------|------|
| Band Edges Compliance                     | §2.1051,<br>§27.53(n)(2) | Refer to section 2.6 | PASS |
| Spurious Emission at Antenna<br>Terminals | §2.1051,<br>§27.53(n)(2) | ≤ -13 dBm/1MHz       | PASS |
| Field Strength of Spurious<br>Radiation   | §2.1053,<br>§27.53(m)(4) | ≤ -13 dBm/1MHz.      | PASS |
| Frequency Stability                       | §2.1055,<br>§27.54       | No limit             | N/A  |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

Test detailed items/section required by FCC rules and results are as below:

| Test Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Test Engineer | Result | Method<br>Determination<br>/Remark |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------|------------------------------------|
| Transmitter Conducted Output Power and<br>ERP/EIRP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Li Huaijie    | PASS   | Nodeviation                        |
| Occupied Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Li Huaijie    | PASS   | Nodeviation                        |
| Frequency Stability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Li Huaijie    | PASS   | Nodeviation                        |
| Peak to Average Radio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Li Huaijie    | PASS   | Nodeviation                        |
| Conducted Spurious Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Li Huaijie    | PASS   | Nodeviation                        |
| Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Li Huaijie    | PASS   | Nodeviation                        |
| Radiated Spurious Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yang Lian     | PASS   | Nodeviation                        |
| <p><b>Note 1:</b> The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.</p> <p><b>Note 2:</b> Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.</p> <p><b>Note 3:</b> The declared of product specification for EUT presented in the report are provided by manufacturer and the test laboratory is not responsible for the accuracy of the information.</p> <p><b>Note 4:</b> When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.</p> |               |        |                                    |

## 1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

|                        |         |
|------------------------|---------|
| Temperature (°C):      | 15 - 35 |
| Relative Humidity (%): | 30 -60  |

## 2. Summary Test Results And Description

### 2.1. Transmitter Conducted Output Power

#### 2.1.1. Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 24.232 (c) for n2, n25, the ERP of Mobile and portable stations are limited to 2 watts EIRP.

According to FCC section 27.50 (d)(4) for n66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

According to FCC section 22.913 (a)(5) for n5, n26(824-849MHz), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for n7, n38, n41, mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50(c)(10) for n12, n71, Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

According to FCC section 90.635(b) for n26 (814-824MHz), the maximum output power of the transmitter for mobile stations is 100 watts.

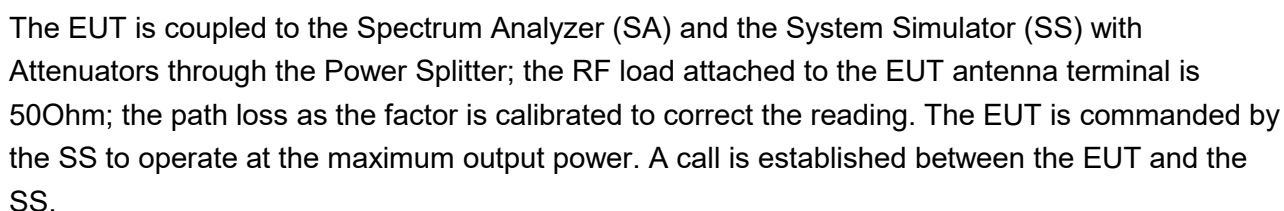
According to FCC section 27.50 (a)(3)for n30, Mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average E.I.R.P. must not exceed 50 mill watts within any 1 megahertz of authorized bandwidth.

According to FCC section 96.41(b) for n48, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table as below. Paragraph



According to FCC section 27.50(j)(3) for n77(3700-3980MHz), n78(3700-3800MHz), mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

### 2.1.2. Test Description



### 2.1.3. Test procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

#### 2.1.4. Conducted Output Power


**Worse case:**

| n2 (PC3) (ANT5) |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 372000      | 376000         | 380000       |
| Frequency (MHz) |                      |        |          | 1860        | 1880           | 1900         |
| 20              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 24.19       | 24.19          | 24.07        |
| 20              |                      | 1      | 53       | 24.20       | 24.15          | 24.05        |
| 20              |                      | 1      | 104      | 24.13       | 24.08          | 24.12        |
| 20              |                      | 50     | 1        | 23.61       | 23.60          | 23.43        |
| 20              |                      | 50     | 25       | 24.17       | 24.19          | 24.14        |
| 20              |                      | 50     | 50       | 23.56       | 23.38          | 23.48        |
| 20              |                      | 100    | 0        | 23.68       | 23.56          | 23.54        |
| 20              | DFT-s-OFDM QPSK      | 1      | 1        | 24.20       | 24.25          | 24.18        |
| 20              |                      | 1      | 53       | 24.17       | 24.14          | 24.06        |
| 20              |                      | 1      | 104      | 24.11       | 24.03          | 24.01        |
| 20              |                      | 50     | 1        | 23.31       | 23.37          | 23.20        |
| 20              |                      | 50     | 25       | 24.18       | 24.20          | 24.16        |
| 20              |                      | 50     | 50       | 23.38       | 23.43          | 23.34        |
| 20              |                      | 100    | 0        | 24.01       | 24.09          | 24.07        |
| 20              | DFT-s-OFDM 16QAM     | 1      | 1        | 23.00       | 23.01          | 22.82        |
| 20              | DFT-s-OFDM 64QAM     | 1      | 1        | 21.49       | 21.53          | 21.34        |
| 20              | DFT-s-OFDM 256QAM    | 1      | 1        | 19.22       | 19.25          | 19.03        |
| 20              | CP-OFDM QPSK         | 1      | 1        | 22.83       | 22.88          | 22.66        |
| 20              | CP-OFDM 16QAM        | 1      | 1        | 22.15       | 22.21          | 22.04        |
| 20              | CP-OFDM 64QAM        | 1      | 1        | 20.24       | 20.19          | 20.04        |
| 20              | CP-OFDM 256QAM       | 1      | 1        | 17.14       | 17.17          | 17.05        |
| Channel         |                      |        |          | 371500      | 376000         | 380500       |
| Frequency (MHz) |                      |        |          | 1857.5      | 1880           | 1902.5       |
| 15              | DFT-s-OFDM QPSK      | 1      | 1        | 24.19       | 24.14          | 24.05        |
| Channel         |                      |        |          | 371000      | 376000         | 381000       |
| Frequency (MHz) |                      |        |          | 1855        | 1880           | 1905         |
| 10              | DFT-s-OFDM QPSK      | 1      | 1        | 24.15       | 24.18          | 24.01        |
| Channel         |                      |        |          | 370500      | 376000         | 381500       |
| Frequency (MHz) |                      |        |          | 1852.5      | 1880           | 1907.5       |
| 5               | DFT-s-OFDM QPSK      | 1      | 1        | 24.16       | 24.03          | 23.86        |



| n5 (PC3) (ANT1) |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 166800      | 167300         | 167800       |
| Frequency (MHz) |                      |        |          | 834         | 836.5          | 839          |
| 20              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.85       | 23.84          | 23.88        |
| 20              |                      | 1      | 53       | 23.89       | 23.84          | 23.86        |
| 20              |                      | 1      | 104      | 23.85       | 23.83          | 23.87        |
| 20              |                      | 50     | 1        | 23.26       | 23.24          | 23.27        |
| 20              |                      | 50     | 25       | 23.91       | 23.91          | 23.88        |
| 20              |                      | 50     | 50       | 23.25       | 23.27          | 23.23        |
| 20              |                      | 100    | 0        | 23.45       | 23.41          | 23.32        |
| 20              | DFT-s-OFDM QPSK      | 1      | 1        | 23.88       | 23.94          | 23.93        |
| 20              |                      | 1      | 53       | 23.87       | 23.87          | 23.92        |
| 20              |                      | 1      | 104      | 23.86       | 23.88          | 23.84        |
| 20              |                      | 50     | 1        | 23.31       | 23.26          | 23.31        |
| 20              |                      | 50     | 25       | 23.90       | 23.92          | 23.87        |
| 20              |                      | 50     | 50       | 23.30       | 23.31          | 23.25        |
| 20              |                      | 100    | 0        | 23.74       | 23.77          | 23.72        |
| 20              | DFT-s-OFDM 16QAM     | 1      | 1        | 22.72       | 22.76          | 22.75        |
| 20              | DFT-s-OFDM 64QAM     | 1      | 1        | 21.23       | 21.15          | 21.19        |
| 20              | DFT-s-OFDM 256QAM    | 1      | 1        | 18.82       | 18.82          | 18.89        |
| 20              | CP-OFDM QPSK         | 1      | 1        | 22.52       | 22.56          | 22.56        |
| 20              | CP-OFDM 16QAM        | 1      | 1        | 21.81       | 21.83          | 21.77        |
| 20              | CP-OFDM 64QAM        | 1      | 1        | 19.93       | 19.93          | 19.83        |
| 20              | CP-OFDM 256QAM       | 1      | 1        | 16.86       | 16.83          | 16.81        |
| Channel         |                      |        |          | 166300      | 167300         | 168300       |
| Frequency (MHz) |                      |        |          | 831.5       | 836.5          | 841.5        |
| 15              | DFT-s-OFDM QPSK      | 1      | 1        | 23.91       | 23.92          | 23.91        |
| Channel         |                      |        |          | 165800      | 167300         | 168800       |
| Frequency (MHz) |                      |        |          | 829         | 836.5          | 844          |
| 10              | DFT-s-OFDM QPSK      | 1      | 1        | 23.90       | 23.87          | 23.80        |
| Channel         |                      |        |          | 165300      | 167300         | 169300       |
| Frequency (MHz) |                      |        |          | 826.5       | 836.5          | 846.5        |
| 5               | DFT-s-OFDM QPSK      | 1      | 1        | 23.84       | 23.75          | 23.71        |



| n7(ANT5)        |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 504000      | 507000         | 510000       |
| Frequency (MHz) |                      |        |          | 2520        | 2535           | 2550         |
| 40              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 24.10       | 24.12          | 24.01        |
| 40              |                      | 1      | 80       | 23.85       | 23.97          | 23.97        |
| 40              |                      | 1      | 158      | 24.05       | 24.08          | 24.05        |
| 40              |                      | 80     | 1        | 23.31       | 23.47          | 23.41        |
| 40              |                      | 80     | 40       | 23.95       | 24.08          | 24.01        |
| 40              |                      | 80     | 80       | 23.42       | 23.41          | 23.42        |
| 40              |                      | 160    | 0        | 23.44       | 23.54          | 23.53        |
| 40              | DFT-s-OFDM QPSK      | 1      | 1        | 24.02       | 24.14          | 24.09        |
| 40              |                      | 1      | 80       | 23.90       | 24.03          | 23.92        |
| 40              |                      | 1      | 158      | 24.05       | 24.04          | 24.08        |
| 40              |                      | 80     | 1        | 23.23       | 23.30          | 23.35        |
| 40              |                      | 80     | 40       | 23.93       | 24.03          | 24.00        |
| 40              |                      | 80     | 80       | 23.37       | 23.46          | 23.47        |
| 40              |                      | 160    | 0        | 23.90       | 23.97          | 23.91        |
| 40              | DFT-s-OFDM 16QAM     | 1      | 1        | 22.75       | 22.82          | 22.97        |
| 40              | DFT-s-OFDM 64QAM     | 1      | 1        | 21.10       | 21.24          | 21.32        |
| 40              | DFT-s-OFDM 256QAM    | 1      | 1        | 18.79       | 18.88          | 19.00        |
| 40              | CP-OFDM QPSK         | 1      | 1        | 17.01       | 17.05          | 17.12        |
| 40              | CP-OFDM 16QAM        | 1      | 1        | 21.77       | 21.95          | 21.93        |
| 40              | CP-OFDM 64QAM        | 1      | 1        | 19.82       | 19.95          | 20.04        |
| 40              | CP-OFDM 256QAM       | 1      | 1        | 16.88       | 16.97          | 17.00        |
| Channel         |                      |        |          | 503000      | 507000         | 511000       |
| Frequency (MHz) |                      |        |          | 2515        | 2535           | 2555         |
| 30              | DFT-s-OFDM QPSK      | 1      | 1        | 23.85       | 24.00          | 24.09        |
| Channel         |                      |        |          | 502500      | 507000         | 511500       |
| Frequency (MHz) |                      |        |          | 2512.5      | 2535           | 2557.5       |
| 25              | DFT-s-OFDM QPSK      | 1      | 1        | 23.92       | 24.06          | 24.06        |
| Channel         |                      |        |          | 502000      | 507000         | 512000       |
| Frequency (MHz) |                      |        |          | 2510        | 2535           | 2560         |
| 20              | DFT-s-OFDM QPSK      | 1      | 1        | 23.80       | 23.97          | 24.08        |
| Channel         |                      |        |          | 501500      | 507000         | 512500       |
| Frequency (MHz) |                      |        |          | 2507.5      | 2535           | 2562.5       |
| 15              | DFT-s-OFDM QPSK      | 1      | 1        | 23.83       | 24.04          | 23.98        |
| Channel         |                      |        |          | 501000      | 507000         | 513000       |
| Frequency (MHz) |                      |        |          | 2505        | 2535           | 2565         |
| 10              | DFT-s-OFDM QPSK      | 1      | 1        | 23.89       | 24.05          | 24.06        |



|                 |                 |   |   |        |        |        |
|-----------------|-----------------|---|---|--------|--------|--------|
| Channel         |                 |   |   | 500500 | 507000 | 513500 |
| Frequency (MHz) |                 |   |   | 2502.5 | 2535   | 2567.5 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 23.75  | 23.97  | 24.08  |

| n12 (PC3) (ANT1) |                      |        |          |             |                |              |
|------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]         | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel          |                      |        |          | 141300      | 141500         | 141700       |
| Frequency (MHz)  |                      |        |          | 706.5       | 707.5          | 708.5        |
| 15               | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.93       | 23.88          | 23.91        |
| 15               |                      | 1      | 53       | 23.88       | 23.86          | 23.88        |
| 15               |                      | 1      | 104      | 23.91       | 23.89          | 23.85        |
| 15               |                      | 50     | 1        | 23.24       | 23.24          | 23.22        |
| 15               |                      | 50     | 25       | 23.96       | 23.98          | 23.95        |
| 15               |                      | 50     | 50       | 23.23       | 23.31          | 23.23        |
| 15               |                      | 100    | 0        | 23.32       | 23.30          | 23.29        |
| 15               | DFT-s-OFDM QPSK      | 1      | 1        | 23.69       | 23.90          | 23.75        |
| 15               |                      | 1      | 53       | 23.92       | 24.04          | 23.94        |
| 15               |                      | 1      | 104      | 23.89       | 23.88          | 23.86        |
| 15               |                      | 50     | 1        | 23.29       | 23.29          | 23.23        |
| 15               |                      | 50     | 25       | 23.99       | 24.01          | 23.97        |
| 15               |                      | 50     | 50       | 23.36       | 23.44          | 23.32        |
| 15               |                      | 100    | 0        | 23.94       | 23.94          | 23.89        |
| 15               | DFT-s-OFDM 16QAM     | 1      | 1        | 22.82       | 22.79          | 22.86        |
| 15               | DFT-s-OFDM 64QAM     | 1      | 1        | 21.00       | 21.10          | 21.06        |
| 15               | DFT-s-OFDM 256QAM    | 1      | 1        | 18.85       | 18.82          | 18.83        |
| 15               | CP-OFDM QPSK         | 1      | 1        | 22.45       | 22.48          | 22.48        |
| 15               | CP-OFDM 16QAM        | 1      | 1        | 21.86       | 21.89          | 21.84        |
| 15               | CP-OFDM 64QAM        | 1      | 1        | 19.80       | 19.78          | 19.80        |
| 15               | CP-OFDM 256QAM       | 1      | 1        | 16.95       | 16.92          | 16.94        |
| Channel          |                      |        |          | 140800      | 141500         | 142200       |
| Frequency (MHz)  |                      |        |          | 704         | 707.5          | 711          |
| 10               | DFT-s-OFDM QPSK      | 1      | 1        | 23.91       | 23.85          | 23.78        |
| Channel          |                      |        |          | 140300      | 141500         | 142700       |
| Frequency (MHz)  |                      |        |          | 701.5       | 707.5          | 713.5        |
| 5                | DFT-s-OFDM QPSK      | 1      | 1        | 23.83       | 23.78          | 23.77        |



| n25(ANT5)       |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 374000      | 376500         | 379000       |
| Frequency (MHz) |                      |        |          | 1870        | 1882.5         | 1895         |
| 40              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 24.22       | 24.21          | 24.19        |
| 40              |                      | 1      | 80       | 24.08       | 23.95          | 23.92        |
| 40              |                      | 1      | 158      | 24.01       | 24.04          | 24.22        |
| 40              |                      | 80     | 1        | 23.57       | 23.48          | 23.45        |
| 40              |                      | 80     | 40       | 24.10       | 23.99          | 23.98        |
| 40              |                      | 80     | 80       | 23.42       | 23.36          | 23.41        |
| 40              |                      | 160    | 0        | 23.63       | 23.52          | 23.53        |
| 40              | DFT-s-OFDM QPSK      | 1      | 1        | 24.26       | 24.21          | 24.16        |
| 40              |                      | 1      | 80       | 24.03       | 23.90          | 23.85        |
| 40              |                      | 1      | 158      | 24.01       | 24.04          | 23.68        |
| 40              |                      | 80     | 1        | 23.38       | 23.30          | 23.21        |
| 40              |                      | 80     | 40       | 24.19       | 24.11          | 24.13        |
| 40              |                      | 80     | 80       | 23.35       | 23.33          | 23.25        |
| 40              |                      | 160    | 0        | 24.17       | 24.03          | 24.07        |
| 40              | DFT-s-OFDM 16QAM     | 1      | 1        | 23.04       | 23.04          | 22.96        |
| 40              | DFT-s-OFDM 64QAM     | 1      | 1        | 21.45       | 21.38          | 21.33        |
| 40              | DFT-s-OFDM 256QAM    | 1      | 1        | 19.15       | 19.14          | 19.09        |
| 40              | CP-OFDM QPSK         | 1      | 1        | 22.83       | 22.84          | 22.79        |
| 40              | CP-OFDM 16QAM        | 1      | 1        | 22.15       | 22.16          | 22.10        |
| 40              | CP-OFDM 64QAM        | 1      | 1        | 20.22       | 20.19          | 20.14        |
| 40              | CP-OFDM 256QAM       | 1      | 1        | 17.16       | 17.18          | 17.14        |
| Channel         |                      |        |          | 373000      | 376500         | 380000       |
| Frequency (MHz) |                      |        |          | 1865        | 1882.5         | 1900         |
| 30              | DFT-s-OFDM QPSK      | 1      | 1        | 24.21       | 24.10          | 23.97        |
| Channel         |                      |        |          | 372500      | 376500         | 380500       |
| Frequency (MHz) |                      |        |          | 1862.5      | 1882.5         | 1902.5       |
| 25              | DFT-s-OFDM QPSK      | 1      | 1        | 24.21       | 24.25          | 24.09        |
| Channel         |                      |        |          | 372000      | 376500         | 381000       |
| Frequency (MHz) |                      |        |          | 1860        | 1882.5         | 1905         |
| 20              | DFT-s-OFDM QPSK      | 1      | 1        | 24.18       | 24.09          | 23.95        |
| Channel         |                      |        |          | 371500      | 376500         | 381500       |
| Frequency (MHz) |                      |        |          | 1857.5      | 1882.5         | 1907.5       |
| 15              | DFT-s-OFDM QPSK      | 1      | 1        | 24.23       | 24.12          | 24.02        |
| Channel         |                      |        |          | 371000      | 376500         | 382000       |
| Frequency (MHz) |                      |        |          | 1855        | 1882.5         | 1910         |
| 10              | DFT-s-OFDM QPSK      | 1      | 1        | 24.24       | 24.03          | 23.94        |



|                 |                 |   |   |        |        |        |
|-----------------|-----------------|---|---|--------|--------|--------|
| Channel         |                 |   |   | 370500 | 376500 | 382500 |
| Frequency (MHz) |                 |   |   | 1852.5 | 1882.5 | 1912.5 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 24.05  | 23.91  | 23.86  |

| n26(814-824MHz)(ANT1) |                      |        |          |             |                |              |
|-----------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]              | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel               |                      |        |          | /           | 163800         | /            |
| Frequency (MHz)       |                      |        |          | /           | 819            | /            |
| 10                    | DFT-s-OFDM PI/2 BPSK | 1      | 1        | /           | 24.00          | /            |
| 10                    |                      | 1      | 53       | /           | 23.99          | /            |
| 10                    |                      | 1      | 104      | /           | 23.96          | /            |
| 10                    |                      | 50     | 1        | /           | 23.41          | /            |
| 10                    |                      | 50     | 25       | /           | 24.04          | /            |
| 10                    |                      | 50     | 50       | /           | 23.44          | /            |
| 10                    |                      | 100    | 0        | /           | 23.43          | /            |
| 10                    | DFT-s-OFDM QPSK      | 1      | 1        | /           | 23.54          | /            |
| 10                    |                      | 1      | 53       | /           | 24.06          | /            |
| 10                    |                      | 1      | 104      | /           | 24.03          | /            |
| 10                    |                      | 50     | 1        | /           | 23.25          | /            |
| 10                    |                      | 50     | 25       | /           | 24.05          | /            |
| 10                    |                      | 50     | 50       | /           | 23.24          | /            |
| 10                    |                      | 100    | 0        | /           | 23.95          | /            |
| 10                    | DFT-s-OFDM 16QAM     | 1      | 1        | /           | 22.93          | /            |
| 10                    | DFT-s-OFDM 64QAM     | 1      | 1        | /           | 21.23          | /            |
| 10                    | DFT-s-OFDM 256QAM    | 1      | 1        | /           | 18.97          | /            |
| 10                    | CP-OFDM QPSK         | 1      | 1        | /           | 22.64          | /            |
| 10                    | CP-OFDM 16QAM        | 1      | 1        | /           | 21.96          | /            |
| 10                    | CP-OFDM 64QAM        | 1      | 1        | /           | 19.99          | /            |
| 10                    | CP-OFDM 256QAM       | 1      | 1        | /           | 17.03          | /            |
| Channel               |                      |        |          | 163300      | 163800         | 164300       |
| Frequency (MHz)       |                      |        |          | 816.5       | 819            | 821.5        |
| 5                     | DFT-s-OFDM QPSK      | 1      | 1        | 23.87       | 23.86          | 23.90        |



| n26(824-849MHz)(ANT1) |                      |        |          |             |                |              |
|-----------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]              | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel               |                      |        |          | 166800      | 167300         | 167800       |
| Frequency (MHz)       |                      |        |          | 834         | 836.5          | 839          |
| 20                    | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.96       | 23.96          | 24.00        |
| 20                    |                      | 1      | 53       | 23.95       | 23.99          | 23.92        |
| 20                    |                      | 1      | 104      | 23.96       | 23.91          | 23.90        |
| 20                    |                      | 50     | 1        | 23.37       | 23.34          | 23.39        |
| 20                    |                      | 50     | 25       | 24.01       | 24.00          | 23.95        |
| 20                    |                      | 50     | 50       | 23.31       | 23.29          | 23.40        |
| 20                    |                      | 100    | 0        | 23.52       | 23.50          | 23.44        |
| 20                    | DFT-s-OFDM QPSK      | 1      | 1        | 24.05       | 24.02          | 24.00        |
| 20                    |                      | 1      | 53       | 23.93       | 23.91          | 23.97        |
| 20                    |                      | 1      | 104      | 23.95       | 23.94          | 23.87        |
| 20                    |                      | 50     | 1        | 23.27       | 23.27          | 23.31        |
| 20                    |                      | 50     | 25       | 24.01       | 23.95          | 23.95        |
| 20                    |                      | 50     | 50       | 23.24       | 23.20          | 23.27        |
| 20                    |                      | 100    | 0        | 23.95       | 23.90          | 23.88        |
| 20                    | DFT-s-OFDM 16QAM     | 1      | 1        | 23.01       | 22.79          | 22.79        |
| 20                    | DFT-s-OFDM 64QAM     | 1      | 1        | 21.27       | 21.13          | 21.21        |
| 20                    | DFT-s-OFDM 256QAM    | 1      | 1        | 18.85       | 18.89          | 18.97        |
| 20                    | CP-OFDM QPSK         | 1      | 1        | 22.56       | 22.50          | 22.53        |
| 20                    | CP-OFDM 16QAM        | 1      | 1        | 21.87       | 21.85          | 21.81        |
| 20                    | CP-OFDM 64QAM        | 1      | 1        | 19.97       | 19.97          | 19.91        |
| 20                    | CP-OFDM 256QAM       | 1      | 1        | 16.90       | 16.91          | 16.86        |
| Channel               |                      |        |          | 166300      | 167300         | 168300       |
| Frequency (MHz)       |                      |        |          | 831.5       | 836.5          | 841.5        |
| 15                    | DFT-s-OFDM QPSK      | 1      | 1        | 24.00       | 23.99          | 23.95        |
| Channel               |                      |        |          | 165800      | 167300         | 168800       |
| Frequency (MHz)       |                      |        |          | 829         | 836.5          | 844          |
| 10                    | DFT-s-OFDM QPSK      | 1      | 1        | 24.04       | 23.86          | 23.87        |
| Channel               |                      |        |          | 165300      | 167300         | 169300       |
| Frequency (MHz)       |                      |        |          | 826.5       | 836.5          | 846.5        |
| 5                     | DFT-s-OFDM QPSK      | 1      | 1        | 23.93       | 23.76          | 23.76        |



| n30 (ANT4)      |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | /           | 462000         | /            |
| Frequency (MHz) |                      |        |          | /           | 2310           | /            |
| 10              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | /           | 22.85          | /            |
| 10              |                      | 1      | 53       | /           | 23.00          | /            |
| 10              |                      | 1      | 104      | /           | 22.96          | /            |
| 10              |                      | 50     | 1        | /           | 22.34          | /            |
| 10              |                      | 50     | 25       | /           | 23.01          | /            |
| 10              |                      | 50     | 50       | /           | 22.44          | /            |
| 10              |                      | 100    | 0        | /           | 22.74          | /            |
| 10              | DFT-s-OFDM QPSK      | 1      | 1        | /           | 22.74          | /            |
| 10              |                      | 1      | 53       | /           | 23.03          | /            |
| 10              |                      | 1      | 104      | /           | 22.65          | /            |
| 10              |                      | 50     | 1        | /           | 22.22          | /            |
| 10              |                      | 50     | 25       | /           | 22.99          | /            |
| 10              |                      | 50     | 50       | /           | 22.40          | /            |
| 10              |                      | 100    | 0        | /           | 22.83          | /            |
| 10              | DFT-s-OFDM 16QAM     | 1      | 1        | /           | 21.76          | /            |
| 10              | DFT-s-OFDM 64QAM     | 1      | 1        | /           | 20.12          | /            |
| 10              | DFT-s-OFDM 256QAM    | 1      | 1        | /           | 17.97          | /            |
| 10              | CP-OFDM QPSK         | 1      | 1        | /           | 21.38          | /            |
| 10              | CP-OFDM 16QAM        | 1      | 1        | /           | 20.77          | /            |
| 10              | CP-OFDM 64QAM        | 1      | 1        | /           | 18.92          | /            |
| 10              | CP-OFDM 256QAM       | 1      | 1        | /           | 15.93          | /            |
| Channel         |                      |        |          | 461500      | 462000         | 462500       |
| Frequency (MHz) |                      |        |          | 2307.5      | 2310           | 2312.5       |
| 5               | DFT-s-OFDM QPSK      | 1      | 1        | 22.61       | 22.89          | 22.90        |

| n38 (ANT5)      |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 518000      | 519000         | 520000       |
| Frequency (MHz) |                      |        |          | 2590        | 2595           | 2600         |
| 40              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 24.04       | 24.16          | 24.16        |
| 40              |                      | 1      | 53       | 23.89       | 23.86          | 23.85        |
| 40              |                      | 1      | 104      | 23.85       | 23.86          | 23.87        |
| 40              |                      | 50     | 1        | 23.53       | 23.53          | 23.51        |
| 40              |                      | 50     | 25       | 24.09       | 24.02          | 24.06        |
| 40              |                      | 50     | 50       | 23.37       | 23.36          | 23.36        |



|                 |                   |     |     |        |        |        |
|-----------------|-------------------|-----|-----|--------|--------|--------|
| 40              |                   | 100 | 0   | 23.61  | 23.59  | 23.53  |
| 40              |                   | 1   | 1   | 24.15  | 24.19  | 24.22  |
| 40              |                   | 1   | 53  | 23.86  | 23.86  | 23.82  |
| 40              |                   | 1   | 104 | 23.86  | 23.84  | 23.85  |
| 40              | DFT-s-OFDM QPSK   | 50  | 1   | 23.36  | 23.31  | 23.33  |
| 40              |                   | 50  | 25  | 24.08  | 24.04  | 24.11  |
| 40              |                   | 50  | 50  | 23.42  | 23.38  | 23.40  |
| 40              |                   | 100 | 0   | 23.93  | 23.90  | 23.97  |
| 40              | DFT-s-OFDM 16QAM  | 1   | 1   | 22.75  | 22.86  | 23.00  |
| 40              | DFT-s-OFDM 64QAM  | 1   | 1   | 21.36  | 21.39  | 21.49  |
| 40              | DFT-s-OFDM 256QAM | 1   | 1   | 19.19  | 19.19  | 19.31  |
| 40              | CP-OFDM QPSK      | 1   | 1   | 22.66  | 22.73  | 22.72  |
| 40              | CP-OFDM 16QAM     | 1   | 1   | 22.04  | 22.14  | 22.13  |
| 40              | CP-OFDM 64QAM     | 1   | 1   | 20.02  | 20.15  | 20.19  |
| 40              | CP-OFDM 256QAM    | 1   | 1   | 17.18  | 17.23  | 17.07  |
| Channel         |                   |     |     | 517000 | 519000 | 521000 |
| Frequency (MHz) |                   |     |     | 2585   | 2595   | 2605   |
| 30              | DFT-s-OFDM QPSK   | 1   | 1   | 24.10  | 24.20  | 24.15  |
| Channel         |                   |     |     | 516000 | 519000 | 522000 |
| Frequency (MHz) |                   |     |     | 2580   | 2595   | 2610   |
| 20              | DFT-s-OFDM QPSK   | 1   | 1   | 23.99  | 24.11  | 24.05  |
| Channel         |                   |     |     | 515500 | 519000 | 522500 |
| Frequency (MHz) |                   |     |     | 2577.5 | 2595   | 2612.5 |
| 15              | DFT-s-OFDM QPSK   | 1   | 1   | 24.01  | 24.01  | 23.98  |
| Channel         |                   |     |     | 515000 | 519000 | 523000 |
| Frequency (MHz) |                   |     |     | 2575   | 2595   | 2615   |
| 10              | DFT-s-OFDM QPSK   | 1   | 1   | 24.04  | 24.04  | 23.99  |

| n41(ANT5)       |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 509202      | 518598         | 528000       |
| Frequency (MHz) |                      |        |          | 2546.01     | 2592.99        | 2640         |
| 100             | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 25.86       | 26.04          | 26.19        |
| 100             |                      | 1      | 136      | 26.02       | 26.17          | 26.10        |
| 100             |                      | 1      | 271      | 26.26       | 26.23          | 26.03        |
| 100             |                      | 135    | 1        | 25.28       | 25.32          | 25.40        |
| 100             |                      | 135    | 67       | 26.04       | 26.28          | 26.10        |
| 100             |                      | 135    | 136      | 25.34       | 25.40          | 25.30        |
| 100             |                      | 270    | 0        | 25.22       | 25.44          | 25.35        |
| 100             | DFT-s-OFDM QPSK      | 1      | 1        | 25.85       | 25.96          | 26.22        |



|                 |                   |     |     |         |         |         |
|-----------------|-------------------|-----|-----|---------|---------|---------|
| 100             |                   | 1   | 136 | 26.13   | 26.29   | 26.22   |
| 100             |                   | 1   | 271 | 26.25   | 26.22   | 25.39   |
| 100             |                   | 135 | 1   | 25.28   | 25.34   | 25.41   |
| 100             |                   | 135 | 67  | 25.91   | 26.12   | 26.01   |
| 100             |                   | 135 | 136 | 25.34   | 25.38   | 25.24   |
| 100             |                   | 270 | 0   | 25.81   | 26.02   | 25.97   |
| 100             | DFT-s-OFDM 16QAM  | 1   | 1   | 24.58   | 24.87   | 25.11   |
| 100             | DFT-s-OFDM 64QAM  | 1   | 1   | 23.42   | 23.99   | 24.20   |
| 100             | DFT-s-OFDM 256QAM | 1   | 1   | 21.69   | 22.86   | 23.00   |
| 100             | CP-OFDM QPSK      | 1   | 1   | 24.28   | 25.21   | 25.31   |
| 100             | CP-OFDM 16QAM     | 1   | 1   | 23.79   | 24.61   | 24.87   |
| 100             | CP-OFDM 64QAM     | 1   | 1   | 22.95   | 23.64   | 23.77   |
| 100             | CP-OFDM 256QAM    | 1   | 1   | 20.20   | 20.19   | 20.33   |
| Channel         |                   |     |     | 508200  | 518598  | 528996  |
| Frequency (MHz) |                   |     |     | 2541    | 2592.99 | 2644.98 |
| 90              | DFT-s-OFDM QPSK   | 1   | 1   | 25.69   | 26.09   | 26.18   |
| Channel         |                   |     |     | 507204  | 518598  | 529998  |
| Frequency (MHz) |                   |     |     | 2536.02 | 2592.99 | 2649.99 |
| 80              | DFT-s-OFDM QPSK   | 1   | 1   | 25.74   | 26.12   | 26.19   |
| Channel         |                   |     |     | 506202  | 518598  | 531000  |
| Frequency (MHz) |                   |     |     | 2531.01 | 2592.99 | 2655    |
| 70              | DFT-s-OFDM QPSK   | 1   | 1   | 25.66   | 26.13   | 26.14   |
| Channel         |                   |     |     | 505200  | 518598  | 531996  |
| Frequency (MHz) |                   |     |     | 2526    | 2592.99 | 2659.98 |
| 60              | DFT-s-OFDM QPSK   | 1   | 1   | 25.58   | 26.07   | 26.11   |
| Channel         |                   |     |     | 504204  | 518598  | 532998  |
| Frequency (MHz) |                   |     |     | 2521.02 | 2592.99 | 2664.99 |
| 50              | DFT-s-OFDM QPSK   | 1   | 1   | 25.93   | 26.25   | 26.16   |
| Channel         |                   |     |     | 503202  | 518598  | 534000  |
| Frequency (MHz) |                   |     |     | 2516.01 | 2592.99 | 2670    |
| 40              | DFT-s-OFDM QPSK   | 1   | 1   | 25.76   | 26.01   | 25.91   |
| Channel         |                   |     |     | 502200  | 518598  | 534996  |
| Frequency (MHz) |                   |     |     | 2511    | 2592.99 | 2674.98 |
| 30              | DFT-s-OFDM QPSK   | 1   | 1   | 25.90   | 26.15   | 25.93   |
| Channel         |                   |     |     | 501204  | 518598  | 535998  |
| Frequency (MHz) |                   |     |     | 2506.02 | 2592.99 | 2679.99 |
| 20              | DFT-s-OFDM QPSK   | 1   | 1   | 25.74   | 26.02   | 25.75   |



| n41(ANT5)       |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 509202      | 518598         | 528000       |
| Frequency (MHz) |                      |        |          | 2546.01     | 2592.99        | 2640         |
| 100             | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.60       | 23.74          | 23.93        |
| 100             |                      | 1      | 136      | 23.67       | 23.84          | 23.74        |
| 100             |                      | 1      | 271      | 23.91       | 23.75          | 23.64        |
| 100             |                      | 135    | 1        | 23.65       | 23.80          | 23.82        |
| 100             |                      | 135    | 67       | 23.76       | 23.93          | 23.75        |
| 100             |                      | 135    | 136      | 23.87       | 23.83          | 23.56        |
| 100             |                      | 270    | 0        | 23.73       | 23.90          | 23.83        |
| 100             | DFT-s-OFDM QPSK      | 1      | 1        | 23.58       | 23.71          | 23.90        |
| 100             |                      | 1      | 136      | 23.82       | 23.97          | 23.78        |
| 100             |                      | 1      | 271      | 23.88       | 23.78          | 23.76        |
| 100             |                      | 135    | 1        | 23.56       | 23.81          | 23.83        |
| 100             |                      | 135    | 67       | 23.85       | 23.95          | 23.86        |
| 100             |                      | 135    | 136      | 23.92       | 23.77          | 23.74        |
| 100             |                      | 270    | 0        | 23.67       | 23.89          | 23.82        |
| 100             | DFT-s-OFDM 16QAM     | 1      | 1        | 23.54       | 23.62          | 23.88        |
| 100             | DFT-s-OFDM 64QAM     | 1      | 1        | 23.58       | 23.73          | 23.90        |
| 100             | DFT-s-OFDM 256QAM    | 1      | 1        | 22.03       | 22.55          | 22.74        |
| 100             | CP-OFDM QPSK         | 1      | 1        | 23.68       | 23.89          | 23.90        |
| 100             | CP-OFDM 16QAM        | 1      | 1        | 23.68       | 23.86          | 23.90        |
| 100             | CP-OFDM 64QAM        | 1      | 1        | 23.08       | 23.36          | 23.53        |
| 100             | CP-OFDM 256QAM       | 1      | 1        | 19.94       | 20.05          | 20.25        |
| Channel         |                      |        |          | 508200      | 518598         | 528996       |
| Frequency (MHz) |                      |        |          | 2541        | 2592.99        | 2644.98      |
| 90              | DFT-s-OFDM QPSK      | 1      | 1        | 23.64       | 23.64          | 23.85        |
| Channel         |                      |        |          | 507204      | 518598         | 529998       |
| Frequency (MHz) |                      |        |          | 2536.02     | 2592.99        | 2649.99      |
| 80              | DFT-s-OFDM QPSK      | 1      | 1        | 23.69       | 23.80          | 23.87        |
| Channel         |                      |        |          | 506202      | 518598         | 531000       |
| Frequency (MHz) |                      |        |          | 2531.01     | 2592.99        | 2655         |
| 70              | DFT-s-OFDM QPSK      | 1      | 1        | 23.64       | 23.79          | 23.72        |
| Channel         |                      |        |          | 505200      | 518598         | 531996       |
| Frequency (MHz) |                      |        |          | 2526        | 2592.99        | 2659.98      |
| 60              | DFT-s-OFDM QPSK      | 1      | 1        | 23.56       | 23.84          | 23.77        |
| Channel         |                      |        |          | 504204      | 518598         | 532998       |
| Frequency (MHz) |                      |        |          | 2521.02     | 2592.99        | 2664.99      |
| 50              | DFT-s-OFDM QPSK      | 1      | 1        | 23.73       | 23.90          | 23.80        |



|                 |                 |   |   |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|
| Channel         |                 |   |   | 503202  | 518598  | 534000  |
| Frequency (MHz) |                 |   |   | 2516.01 | 2592.99 | 2670    |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 23.52   | 23.66   | 23.50   |
| Channel         |                 |   |   | 502200  | 518598  | 534996  |
| Frequency (MHz) |                 |   |   | 2511    | 2592.99 | 2674.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 23.62   | 23.93   | 23.55   |
| Channel         |                 |   |   | 501204  | 518598  | 535998  |
| Frequency (MHz) |                 |   |   | 2506.02 | 2592.99 | 2679.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 23.45   | 23.62   | 23.52   |

| n48 (PC3) (ANT8) |                      |        |          |             |                |              |
|------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]         | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel          |                      |        |          | 638000      | 641666         | 645332       |
| Frequency (MHz)  |                      |        |          | 3570        | 3624.99        | 3679.98      |
| 40               | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.61       | 23.96          | 23.96        |
| 40               |                      | 1      | 53       | 23.69       | 23.89          | 24.00        |
| 40               |                      | 1      | 104      | 23.87       | 24.08          | 24.10        |
| 40               |                      | 50     | 1        | 23.25       | 23.36          | 23.23        |
| 40               |                      | 50     | 25       | 23.08       | 23.28          | 23.44        |
| 40               |                      | 50     | 50       | 23.27       | 23.24          | 23.29        |
| 40               |                      | 100    | 0        | 23.21       | 23.20          | 23.27        |
| 40               | DFT-s-OFDM QPSK      | 1      | 1        | 24.16       | 24.22          | 24.20        |
| 40               |                      | 1      | 53       | 23.56       | 23.79          | 23.92        |
| 40               |                      | 1      | 104      | 23.86       | 24.04          | 24.07        |
| 40               |                      | 50     | 1        | 23.31       | 23.25          | 23.32        |
| 40               |                      | 50     | 25       | 24.08       | 24.15          | 24.12        |
| 40               |                      | 50     | 50       | 23.28       | 23.35          | 23.28        |
| 40               |                      | 100    | 0        | 23.96       | 24.05          | 24.01        |
| 40               | DFT-s-OFDM 16QAM     | 1      | 1        | 22.40       | 22.75          | 22.75        |
| 40               | DFT-s-OFDM 64QAM     | 1      | 1        | 20.96       | 21.46          | 21.31        |
| 40               | DFT-s-OFDM 256QAM    | 1      | 1        | 18.75       | 19.20          | 19.12        |
| 40               | CP-OFDM QPSK         | 1      | 1        | 22.08       | 22.46          | 22.45        |
| 40               | CP-OFDM 16QAM        | 1      | 1        | 21.48       | 21.85          | 21.84        |
| 40               | CP-OFDM 64QAM        | 1      | 1        | 19.59       | 19.98          | 19.96        |
| 40               | CP-OFDM 256QAM       | 1      | 1        | 16.81       | 17.21          | 17.17        |
| Channel          |                      |        |          | 637668      | 641666         | 645666       |
| Frequency (MHz)  |                      |        |          | 3565.02     | 3624.99        | 3684.99      |
| 30               | DFT-s-OFDM QPSK      | 1      | 1        | 23.64       | 24.09          | 24.02        |
| Channel          |                      |        |          | 637334      | 641666         | 646000       |
| Frequency (MHz)  |                      |        |          | 3560.01     | 3624.99        | 3690         |



|                 |                 |   |   |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 23.88   | 23.71   | 23.96   |
| Channel         |                 |   |   | 637168  | 641666  | 646166  |
| Frequency (MHz) |                 |   |   | 3557.52 | 3624.99 | 3692.49 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 23.84   | 24.11   | 23.90   |
| Channel         |                 |   |   | 637000  | 641666  | 646332  |
| Frequency (MHz) |                 |   |   | 3555    | 3624.99 | 3694.98 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 23.96   | 23.64   | 23.97   |

| n66 (PC3)(ANT5) |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 346000      | 349000         | 352000       |
| Frequency (MHz) |                      |        |          | 1730        | 1745           | 1760         |
| 40              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.96       | 24.05          | 24.02        |
| 40              |                      | 1      | 80       | 23.90       | 23.82          | 23.71        |
| 40              |                      | 1      | 158      | 23.89       | 23.85          | 23.81        |
| 40              |                      | 80     | 1        | 23.42       | 23.40          | 23.32        |
| 40              |                      | 80     | 40       | 24.00       | 23.96          | 23.82        |
| 40              |                      | 80     | 80       | 23.41       | 23.31          | 23.29        |
| 40              |                      | 160    | 0        | 23.40       | 23.46          | 23.35        |
| 40              | DFT-s-OFDM QPSK      | 1      | 1        | 24.07       | 24.02          | 24.05        |
| 40              |                      | 1      | 80       | 23.87       | 23.83          | 23.61        |
| 40              |                      | 1      | 158      | 23.98       | 23.79          | 23.75        |
| 40              |                      | 80     | 1        | 23.32       | 23.31          | 23.29        |
| 40              |                      | 80     | 40       | 24.00       | 23.94          | 23.99        |
| 40              |                      | 80     | 80       | 23.33       | 23.33          | 23.24        |
| 40              |                      | 160    | 0        | 23.92       | 23.88          | 23.87        |
| 40              | DFT-s-OFDM 16QAM     | 1      | 1        | 22.98       | 22.91          | 22.98        |
| 40              | DFT-s-OFDM 64QAM     | 1      | 1        | 21.23       | 21.18          | 21.24        |
| 40              | DFT-s-OFDM 256QAM    | 1      | 1        | 18.84       | 18.93          | 18.98        |
| 40              | CP-OFDM QPSK         | 1      | 1        | 22.65       | 22.65          | 22.50        |
| 40              | CP-OFDM 16QAM        | 1      | 1        | 21.91       | 21.81          | 21.81        |
| 40              | CP-OFDM 64QAM        | 1      | 1        | 19.89       | 19.90          | 19.89        |
| 40              | CP-OFDM 256QAM       | 1      | 1        | 17.01       | 17.01          | 16.89        |
| Channel         |                      |        |          | 345000      | 349000         | 353000       |
| Frequency (MHz) |                      |        |          | 1725        | 1745           | 1765         |
| 30              | DFT-s-OFDM QPSK      | 1      | 1        | 23.96       | 23.98          | 23.89        |
| Channel         |                      |        |          | 344000      | 349000         | 354000       |
| Frequency (MHz) |                      |        |          | 1720        | 1745           | 1770         |
| 20              | DFT-s-OFDM QPSK      | 1      | 1        | 23.90       | 23.85          | 23.81        |
| Channel         |                      |        |          | 343500      | 349000         | 354500       |



|                 |                 |   |   |        |        |        |
|-----------------|-----------------|---|---|--------|--------|--------|
| Frequency (MHz) |                 |   |   | 1717.5 | 1745   | 1772.5 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 24.04  | 23.99  | 23.88  |
| Channel         |                 |   |   | 343000 | 349000 | 355000 |
| Frequency (MHz) |                 |   |   | 1715   | 1745   | 1775   |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 23.99  | 24.03  | 23.82  |
| Channel         |                 |   |   | 342500 | 349000 | 355500 |
| Frequency (MHz) |                 |   |   | 1712.5 | 1745   | 1777.5 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 23.85  | 23.90  | 23.74  |

| n71 (ANT1)      |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 134600      | 136100         | 137600       |
| Frequency (MHz) |                      |        |          | 673         | 680.5          | 688          |
| 20              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.36       | 23.39          | 23.48        |
| 20              |                      | 1      | 53       | 23.41       | 23.49          | 23.41        |
| 20              |                      | 1      | 104      | 23.46       | 23.38          | 23.39        |
| 20              |                      | 50     | 1        | 23.25       | 23.36          | 23.41        |
| 20              |                      | 50     | 25       | 23.84       | 24.05          | 23.93        |
| 20              |                      | 50     | 50       | 23.35       | 23.36          | 23.25        |
| 20              |                      | 100    | 0        | 23.37       | 23.43          | 23.44        |
| 20              | DFT-s-OFDM QPSK      | 1      | 1        | 22.96       | 23.96          | 24.03        |
| 20              |                      | 1      | 53       | 23.96       | 24.13          | 23.95        |
| 20              |                      | 1      | 104      | 24.05       | 23.95          | 23.92        |
| 20              |                      | 50     | 1        | 23.28       | 23.40          | 23.48        |
| 20              |                      | 50     | 25       | 23.94       | 24.10          | 24.06        |
| 20              |                      | 50     | 50       | 23.40       | 23.44          | 23.35        |
| 20              |                      | 100    | 0        | 23.90       | 24.00          | 23.93        |
| 20              | DFT-s-OFDM 16QAM     | 1      | 1        | 22.86       | 22.92          | 23.10        |
| 20              | DFT-s-OFDM 64QAM     | 1      | 1        | 21.18       | 21.17          | 21.29        |
| 20              | DFT-s-OFDM 256QAM    | 1      | 1        | 18.88       | 18.97          | 19.11        |
| 20              | CP-OFDM QPSK         | 1      | 1        | 22.23       | 22.54          | 22.65        |
| 20              | CP-OFDM 16QAM        | 1      | 1        | 21.68       | 21.89          | 22.01        |
| 20              | CP-OFDM 64QAM        | 1      | 1        | 19.76       | 19.95          | 20.10        |
| 20              | CP-OFDM 256QAM       | 1      | 1        | 16.88       | 17.01          | 17.13        |
| Channel         |                      |        |          | 134100      | 136100         | 138100       |
| Frequency (MHz) |                      |        |          | 670.5       | 680.5          | 690.5        |
| 15              | DFT-s-OFDM QPSK      | 1      | 1        | 23.07       | 24.00          | 24.06        |
| Channel         |                      |        |          | 133600      | 136100         | 138600       |
| Frequency (MHz) |                      |        |          | 668         | 680.5          | 693          |
| 10              | DFT-s-OFDM QPSK      | 1      | 1        | 23.31       | 23.94          | 23.96        |



|                 |                 |   |   |        |        |        |
|-----------------|-----------------|---|---|--------|--------|--------|
| Channel         |                 |   |   | 133100 | 136100 | 139100 |
| Frequency (MHz) |                 |   |   | 665.5  | 680.5  | 695.5  |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 23.78  | 23.92  | 23.90  |

| n77(3450-3550MHz) (PC2)(ANT8) |                      |        |          |             |                |              |
|-------------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]                      | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel                       |                      |        |          | /           | 633334         | /            |
| Frequency (MHz)               |                      |        |          | /           | 3500.01        | /            |
| 100                           | DFT-s-OFDM PI/2 BPSK | 1      | 1        | /           | 25.16          | /            |
| 100                           |                      | 1      | 136      | /           | 25.10          | /            |
| 100                           |                      | 1      | 271      | /           | 24.76          | /            |
| 100                           |                      | 135    | 1        | /           | 24.79          | /            |
| 100                           |                      | 135    | 67       | /           | 25.15          | /            |
| 100                           |                      | 135    | 136      | /           | 24.39          | /            |
| 100                           |                      | 270    | 0        | /           | 24.64          | /            |
| 100                           | DFT-s-OFDM QPSK      | 1      | 1        | /           | 25.19          | /            |
| 100                           |                      | 1      | 136      | /           | 25.06          | /            |
| 100                           |                      | 1      | 271      | /           | 24.73          | /            |
| 100                           |                      | 135    | 1        | /           | 24.44          | /            |
| 100                           |                      | 135    | 67       | /           | 25.10          | /            |
| 100                           |                      | 135    | 136      | /           | 24.49          | /            |
| 100                           |                      | 270    | 0        | /           | 25.01          | /            |
| 100                           | DFT-s-OFDM 16QAM     | 1      | 1        | /           | 23.96          | /            |
| 100                           | DFT-s-OFDM 64QAM     | 1      | 1        | /           | 23.09          | /            |
| 100                           | DFT-s-OFDM 256QAM    | 1      | 1        | /           | 21.09          | /            |
| 100                           | CP-OFDM QPSK         | 1      | 1        | /           | 24.12          | /            |
| 100                           | CP-OFDM 16QAM        | 1      | 1        | /           | 23.48          | /            |
| 100                           | CP-OFDM 64QAM        | 1      | 1        | /           | 21.51          | /            |
| 100                           | CP-OFDM 256QAM       | 1      | 1        | /           | 18.75          | /            |
| Channel                       |                      |        |          | 633000      | 633334         | 633666       |
| Frequency (MHz)               |                      |        |          | 3495        | 3500.01        | 3504.99      |
| 90                            | DFT-s-OFDM QPSK      | 1      | 1        | 25.11       | 25.08          | 25.10        |
| Channel                       |                      |        |          | 632668      | 633334         | 634000       |
| Frequency (MHz)               |                      |        |          | 3490.02     | 3500.01        | 3510         |
| 80                            | DFT-s-OFDM QPSK      | 1      | 1        | 25.13       | 25.07          | 25.01        |
| Channel                       |                      |        |          | 632334      | 633334         | 634332       |
| Frequency (MHz)               |                      |        |          | 3485.01     | 3500.01        | 3514.98      |
| 70                            | DFT-s-OFDM QPSK      | 1      | 1        | 25.12       | 25.09          | 24.92        |
| Channel                       |                      |        |          | 632000      | 633334         | 634666       |
| Frequency (MHz)               |                      |        |          | 3480        | 3500.01        | 3519.99      |



|                 |                 |   |   |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 24.94   | 24.80   | 24.78   |
| Channel         |                 |   |   | 631668  | 633334  | 635000  |
| Frequency (MHz) |                 |   |   | 3475.02 | 3500.01 | 3525    |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 25.16   | 25.07   | 24.94   |
| Channel         |                 |   |   | 631334  | 633334  | 635332  |
| Frequency (MHz) |                 |   |   | 3470.01 | 3500.01 | 3529.98 |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 25.07   | 24.84   | 24.73   |
| Channel         |                 |   |   | 631000  | 633334  | 635666  |
| Frequency (MHz) |                 |   |   | 3465    | 3500.01 | 3534.99 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 25.06   | 24.95   | 24.75   |
| Channel         |                 |   |   | 630668  | 633334  | 636000  |
| Frequency (MHz) |                 |   |   | 3460.02 | 3500.01 | 3540    |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 24.91   | 24.76   | 24.72   |
| Channel         |                 |   |   | 630500  | 633334  | 636166  |
| Frequency (MHz) |                 |   |   | 3457.5  | 3500.01 | 3542.49 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 24.85   | 24.82   | 24.79   |
| Channel         |                 |   |   | 630334  | 633334  | 636332  |
| Frequency (MHz) |                 |   |   | 3455.01 | 3500.01 | 3544.98 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 25.12   | 25.17   | 24.80   |

| n77(3700-3980MHz) (PC2) (ANT8) |                      |        |          |             |                |              |
|--------------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]                       | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel                        |                      |        |          | 650000      | 656000         | 662000       |
| Frequency (MHz)                |                      |        |          | 3750        | 3840           | 3930         |
| 100                            | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 24.65       | 24.89          | 24.71        |
| 100                            |                      | 1      | 136      | 24.81       | 24.93          | 24.33        |
| 100                            |                      | 1      | 271      | 24.84       | 24.73          | 24.95        |
| 100                            |                      | 135    | 1        | 24.53       | 24.36          | 24.23        |
| 100                            |                      | 135    | 67       | 24.81       | 24.92          | 24.38        |
| 100                            |                      | 135    | 136      | 24.39       | 24.30          | 24.33        |
| 100                            |                      | 270    | 0        | 24.35       | 24.45          | 24.22        |
| 100                            | DFT-s-OFDM QPSK      | 1      | 1        | 24.85       | 25.06          | 24.94        |
| 100                            |                      | 1      | 136      | 24.82       | 24.87          | 24.47        |
| 100                            |                      | 1      | 271      | 24.84       | 24.70          | 24.96        |
| 100                            |                      | 135    | 1        | 24.26       | 24.45          | 24.39        |
| 100                            |                      | 135    | 67       | 24.91       | 24.93          | 24.89        |
| 100                            |                      | 135    | 136      | 24.45       | 24.41          | 24.34        |
| 100                            |                      | 270    | 0        | 24.86       | 24.92          | 24.68        |
| 100                            | DFT-s-OFDM 16QAM     | 1      | 1        | 23.66       | 23.83          | 23.70        |
| 100                            | DFT-s-OFDM 64QAM     | 1      | 1        | 22.17       | 22.47          | 22.41        |
| 100                            | DFT-s-OFDM           | 1      | 1        | 19.96       | 20.25          | 20.12        |



|                 |                 |   |   |         |        |         |
|-----------------|-----------------|---|---|---------|--------|---------|
|                 | 256QAM          |   |   |         |        |         |
| 100             | CP-OFDM QPSK    | 1 | 1 | 23.52   | 23.62  | 23.44   |
| 100             | CP-OFDM 16QAM   | 1 | 1 | 22.71   | 23.07  | 22.97   |
| 100             | CP-OFDM 64QAM   | 1 | 1 | 20.75   | 21.07  | 20.97   |
| 100             | CP-OFDM 256QAM  | 1 | 1 | 18.00   | 18.31  | 18.34   |
| Channel         |                 |   |   | 649666  | 656000 | 662332  |
| Frequency (MHz) |                 |   |   | 3744.99 | 3840   | 3934.98 |
| 90              | DFT-s-OFDM QPSK | 1 | 1 | 24.69   | 24.85  | 24.67   |
| Channel         |                 |   |   | 649334  | 656000 | 662666  |
| Frequency (MHz) |                 |   |   | 3740.01 | 3840   | 3939.99 |
| 80              | DFT-s-OFDM QPSK | 1 | 1 | 24.76   | 24.95  | 24.58   |
| Channel         |                 |   |   | 649000  | 656000 | 663000  |
| Frequency (MHz) |                 |   |   | 3735    | 3840   | 3945    |
| 70              | DFT-s-OFDM QPSK | 1 | 1 | 24.72   | 24.93  | 24.50   |
| Channel         |                 |   |   | 648668  | 656000 | 663332  |
| Frequency (MHz) |                 |   |   | 3730.02 | 3840   | 3949.98 |
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 24.56   | 24.72  | 24.24   |
| Channel         |                 |   |   | 648334  | 656000 | 663666  |
| Frequency (MHz) |                 |   |   | 3725.01 | 3840   | 3954.99 |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 24.80   | 24.93  | 24.15   |
| Channel         |                 |   |   | 648000  | 656000 | 664000  |
| Frequency (MHz) |                 |   |   | 3720    | 3840   | 3960    |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 24.68   | 24.73  | 24.26   |
| Channel         |                 |   |   | 647668  | 656000 | 664332  |
| Frequency (MHz) |                 |   |   | 3715.02 | 3840   | 3964.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 24.74   | 24.88  | 24.41   |
| Channel         |                 |   |   | 647334  | 656000 | 664666  |
| Frequency (MHz) |                 |   |   | 3710.01 | 3840   | 3969.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 24.62   | 24.73  | 24.56   |
| Channel         |                 |   |   | 647168  | 656000 | 664832  |
| Frequency (MHz) |                 |   |   | 3707.52 | 3840   | 3972.48 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 24.66   | 24.81  | 24.62   |
| Channel         |                 |   |   | 647000  | 656000 | 665000  |
| Frequency (MHz) |                 |   |   | 3705    | 3840   | 3975    |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 24.68   | 24.83  | 24.83   |

| n77(3450-3550MHz) (PC3) (ANT8) |                      |        |          |             |                |              |
|--------------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]                       | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel                        |                      |        |          | /           | 633334         | /            |
| Frequency (MHz)                |                      |        |          | /           | 3500.01        | /            |
| 100                            | DFT-s-OFDM PI/2 BPSK | 1      | 1        | /           | 24.12          | /            |
| 100                            |                      | 1      | 136      | /           | 24.11          | /            |
| 100                            |                      | 1      | 271      | /           | 24.17          | /            |



|                 |                   |     |     |         |         |         |
|-----------------|-------------------|-----|-----|---------|---------|---------|
| 100             |                   | 135 | 1   | /       | 24.17   | /       |
| 100             |                   | 135 | 67  | /       | 24.09   | /       |
| 100             |                   | 135 | 136 | /       | 24.19   | /       |
| 100             |                   | 270 | 0   | /       | 24.20   | /       |
| 100             | DFT-s-OFDM QPSK   | 1   | 1   | /       | 24.22   | /       |
| 100             |                   | 1   | 136 | /       | 24.11   | /       |
| 100             |                   | 1   | 271 | /       | 24.16   | /       |
| 100             |                   | 135 | 1   | /       | 24.05   | /       |
| 100             |                   | 135 | 67  | /       | 24.16   | /       |
| 100             |                   | 135 | 136 | /       | 24.04   | /       |
| 100             |                   | 270 | 0   | /       | 24.14   | /       |
| 100             | DFT-s-OFDM 16QAM  | 1   | 1   | /       | 24.03   | /       |
| 100             | DFT-s-OFDM 64QAM  | 1   | 1   | /       | 22.28   | /       |
| 100             | DFT-s-OFDM 256QAM | 1   | 1   | /       | 20.46   | /       |
| 100             | CP-OFDM QPSK      | 1   | 1   | /       | 23.70   | /       |
| 100             | CP-OFDM 16QAM     | 1   | 1   | /       | 23.16   | /       |
| 100             | CP-OFDM 64QAM     | 1   | 1   | /       | 21.44   | /       |
| 100             | CP-OFDM 256QAM    | 1   | 1   | /       | 18.56   | /       |
| Channel         |                   |     |     | 633000  | 633334  | 633666  |
| Frequency (MHz) |                   |     |     | 3495    | 3500.01 | 3504.99 |
| 90              | DFT-s-OFDM QPSK   | 1   | 1   | 24.00   | 24.06   | 24.14   |
| Channel         |                   |     |     | 632668  | 633334  | 634000  |
| Frequency (MHz) |                   |     |     | 3490.02 | 3500.01 | 3510    |
| 80              | DFT-s-OFDM QPSK   | 1   | 1   | 24.20   | 24.16   | 24.07   |
| Channel         |                   |     |     | 632334  | 633334  | 634332  |
| Frequency (MHz) |                   |     |     | 3485.01 | 3500.01 | 3514.98 |
| 70              | DFT-s-OFDM QPSK   | 1   | 1   | 24.12   | 24.15   | 24.14   |
| Channel         |                   |     |     | 632000  | 633334  | 634666  |
| Frequency (MHz) |                   |     |     | 3480    | 3500.01 | 3519.99 |
| 60              | DFT-s-OFDM QPSK   | 1   | 1   | 24.05   | 24.11   | 24.16   |
| Channel         |                   |     |     | 631668  | 633334  | 635000  |
| Frequency (MHz) |                   |     |     | 3475.02 | 3500.01 | 3525    |
| 50              | DFT-s-OFDM QPSK   | 1   | 1   | 24.19   | 24.11   | 24.11   |
| Channel         |                   |     |     | 631334  | 633334  | 635332  |
| Frequency (MHz) |                   |     |     | 3470.01 | 3500.01 | 3529.98 |
| 40              | DFT-s-OFDM QPSK   | 1   | 1   | 24.12   | 24.16   | 24.16   |
| Channel         |                   |     |     | 631000  | 633334  | 635666  |
| Frequency (MHz) |                   |     |     | 3465    | 3500.01 | 3534.99 |
| 30              | DFT-s-OFDM QPSK   | 1   | 1   | 24.13   | 24.15   | 24.16   |
| Channel         |                   |     |     | 630668  | 633334  | 636000  |
| Frequency (MHz) |                   |     |     | 3460.02 | 3500.01 | 3540    |



|                 |                 |   |   |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 24.00   | 24.13   | 24.18   |
| Channel         |                 |   |   | 630500  | 633334  | 636166  |
| Frequency (MHz) |                 |   |   | 3457.5  | 3500.01 | 3542.49 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 23.98   | 24.15   | 24.17   |
| Channel         |                 |   |   | 630334  | 633334  | 636332  |
| Frequency (MHz) |                 |   |   | 3455.01 | 3500.01 | 3544.98 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 23.96   | 24.07   | 24.14   |

| n77(3700-3980MHz) (PC3) (ANT8) |                      |        |          |             |                |              |
|--------------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]                       | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel                        |                      |        |          | 650000      | 656000         | 662000       |
| Frequency (MHz)                |                      |        |          | 3750        | 3840           | 3930         |
| 100                            | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 24.07       | 24.15          | 24.20        |
| 100                            |                      | 1      | 136      | 24.02       | 24.05          | 24.10        |
| 100                            |                      | 1      | 271      | 24.01       | 24.11          | 24.10        |
| 100                            |                      | 135    | 1        | 23.96       | 24.01          | 24.12        |
| 100                            |                      | 135    | 67       | 23.96       | 24.00          | 24.10        |
| 100                            |                      | 135    | 136      | 24.01       | 24.05          | 24.06        |
| 100                            |                      | 270    | 0        | 23.99       | 24.10          | 24.14        |
| 100                            | DFT-s-OFDM QPSK      | 1      | 1        | 24.06       | 24.24          | 24.19        |
| 100                            |                      | 1      | 136      | 23.94       | 23.93          | 24.03        |
| 100                            |                      | 1      | 271      | 24.16       | 24.20          | 24.13        |
| 100                            |                      | 135    | 1        | 23.95       | 23.98          | 24.09        |
| 100                            |                      | 135    | 67       | 24.10       | 24.16          | 24.01        |
| 100                            |                      | 135    | 136      | 23.96       | 23.94          | 24.03        |
| 100                            |                      | 270    | 0        | 24.05       | 24.06          | 24.16        |
| 100                            | DFT-s-OFDM 16QAM     | 1      | 1        | 23.83       | 23.99          | 24.04        |
| 100                            | DFT-s-OFDM 64QAM     | 1      | 1        | 22.17       | 22.39          | 22.42        |
| 100                            | DFT-s-OFDM 256QAM    | 1      | 1        | 20.24       | 20.51          | 20.56        |
| 100                            | CP-OFDM QPSK         | 1      | 1        | 23.61       | 22.81          | 22.84        |
| 100                            | CP-OFDM 16QAM        | 1      | 1        | 22.91       | 23.14          | 23.20        |
| 100                            | CP-OFDM 64QAM        | 1      | 1        | 21.37       | 21.56          | 21.67        |
| 100                            | CP-OFDM 256QAM       | 1      | 1        | 18.32       | 18.59          | 18.66        |
| Channel                        |                      |        |          | 649666      | 656000         | 662332       |
| Frequency (MHz)                |                      |        |          | 3744.99     | 3840           | 3934.98      |
| 90                             | DFT-s-OFDM QPSK      | 1      | 1        | 24.01       | 23.96          | 24.15        |
| Channel                        |                      |        |          | 649334      | 656000         | 662666       |
| Frequency (MHz)                |                      |        |          | 3740.01     | 3840           | 3939.99      |
| 80                             | DFT-s-OFDM QPSK      | 1      | 1        | 23.93       | 23.93          | 24.10        |
| Channel                        |                      |        |          | 649000      | 656000         | 663000       |



|                 |                 |   |   |         |        |         |
|-----------------|-----------------|---|---|---------|--------|---------|
| Frequency (MHz) |                 |   |   | 3735    | 3840   | 3945    |
| 70              | DFT-s-OFDM QPSK | 1 | 1 | 23.83   | 23.95  | 24.03   |
| Channel         |                 |   |   | 648668  | 656000 | 663332  |
| Frequency (MHz) |                 |   |   | 3730.02 | 3840   | 3949.98 |
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 23.76   | 23.80  | 23.96   |
| Channel         |                 |   |   | 648334  | 656000 | 663666  |
| Frequency (MHz) |                 |   |   | 3725.01 | 3840   | 3954.99 |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 23.86   | 24.01  | 24.03   |
| Channel         |                 |   |   | 648000  | 656000 | 664000  |
| Frequency (MHz) |                 |   |   | 3720    | 3840   | 3960    |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 23.87   | 23.85  | 23.83   |
| Channel         |                 |   |   | 647668  | 656000 | 664332  |
| Frequency (MHz) |                 |   |   | 3715.02 | 3840   | 3964.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 23.97   | 23.96  | 23.92   |
| Channel         |                 |   |   | 647334  | 656000 | 664666  |
| Frequency (MHz) |                 |   |   | 3710.01 | 3840   | 3969.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 23.88   | 23.72  | 23.77   |
| Channel         |                 |   |   | 647168  | 656000 | 664832  |
| Frequency (MHz) |                 |   |   | 3707.52 | 3840   | 3972.48 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 23.82   | 23.81  | 23.82   |
| Channel         |                 |   |   | 647000  | 656000 | 665000  |
| Frequency (MHz) |                 |   |   | 3705    | 3840   | 3975    |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 23.78   | 23.78  | 23.75   |

| n78(3450-3550MHz)(PC2)(ANT8) |                      |        |          |             |                |              |
|------------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]                     | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel                      |                      |        |          | /           | 633334         | /            |
| Frequency (MHz)              |                      |        |          | /           | 3500.01        | /            |
| 100                          | DFT-s-OFDM PI/2 BPSK | 1      | 1        | /           | 26.20          | /            |
| 100                          |                      | 1      | 136      | /           | 26.18          | /            |
| 100                          |                      | 1      | 271      | /           | 25.81          | /            |
| 100                          |                      | 135    | 1        | /           | 25.82          | /            |
| 100                          |                      | 135    | 67       | /           | 26.18          | /            |
| 100                          |                      | 135    | 136      | /           | 25.21          | /            |
| 100                          |                      | 270    | 0        | /           | 25.71          | /            |
| 100                          | DFT-s-OFDM QPSK      | 1      | 1        | /           | 26.25          | /            |
| 100                          |                      | 1      | 136      | /           | 26.10          | /            |
| 100                          |                      | 1      | 271      | /           | 25.79          | /            |
| 100                          |                      | 135    | 1        | /           | 25.31          | /            |
| 100                          |                      | 135    | 67       | /           | 26.12          | /            |
| 100                          |                      | 135    | 136      | /           | 25.22          | /            |
| 100                          |                      | 270    | 0        | /           | 25.20          | /            |
| 100                          | DFT-s-OFDM           | 1      | 1        | /           | 25.40          | /            |



|                 |                   |   |   |         |         |         |
|-----------------|-------------------|---|---|---------|---------|---------|
|                 | 16QAM             |   |   |         |         |         |
| 100             | DFT-s-OFDM 64QAM  | 1 | 1 | /       | 23.64   | /       |
| 100             | DFT-s-OFDM 256QAM | 1 | 1 | /       | 21.76   | /       |
| 100             | CP-OFDM QPSK      | 1 | 1 | /       | 25.16   | /       |
| 100             | CP-OFDM 16QAM     | 1 | 1 | /       | 24.57   | /       |
| 100             | CP-OFDM 64QAM     | 1 | 1 | /       | 22.66   | /       |
| 100             | CP-OFDM 256QAM    | 1 | 1 | /       | 19.85   | /       |
| Channel         |                   |   |   | 633000  | 633334  | 633666  |
| Frequency (MHz) |                   |   |   | 3495    | 3500.01 | 3504.99 |
| 90              | DFT-s-OFDM QPSK   | 1 | 1 | 26.24   | 26.18   | 26.23   |
| Channel         |                   |   |   | 632668  | 633334  | 634000  |
| Frequency (MHz) |                   |   |   | 3490.02 | 3500.01 | 3510    |
| 80              | DFT-s-OFDM QPSK   | 1 | 1 | 26.20   | 26.22   | 26.12   |
| Channel         |                   |   |   | 632334  | 633334  | 634332  |
| Frequency (MHz) |                   |   |   | 3485.01 | 3500.01 | 3514.98 |
| 70              | DFT-s-OFDM QPSK   | 1 | 1 | 26.21   | 26.20   | 26.11   |
| Channel         |                   |   |   | 632000  | 633334  | 634666  |
| Frequency (MHz) |                   |   |   | 3480    | 3500.01 | 3519.99 |
| 60              | DFT-s-OFDM QPSK   | 1 | 1 | 26.10   | 26.03   | 25.87   |
| Channel         |                   |   |   | 631668  | 633334  | 635000  |
| Frequency (MHz) |                   |   |   | 3475.02 | 3500.01 | 3525    |
| 50              | DFT-s-OFDM QPSK   | 1 | 1 | 26.07   | 26.03   | 26.05   |
| Channel         |                   |   |   | 631334  | 633334  | 635332  |
| Frequency (MHz) |                   |   |   | 3470.01 | 3500.01 | 3529.98 |
| 40              | DFT-s-OFDM QPSK   | 1 | 1 | 26.14   | 25.87   | 25.65   |
| Channel         |                   |   |   | 631000  | 633334  | 635666  |
| Frequency (MHz) |                   |   |   | 3465    | 3500.01 | 3534.99 |
| 30              | DFT-s-OFDM QPSK   | 1 | 1 | 26.20   | 26.04   | 25.48   |
| Channel         |                   |   |   | 630668  | 633334  | 636000  |
| Frequency (MHz) |                   |   |   | 3460.02 | 3500.01 | 3540    |
| 20              | DFT-s-OFDM QPSK   | 1 | 1 | 26.11   | 25.99   | 25.50   |
| Channel         |                   |   |   | 630500  | 633334  | 636166  |
| Frequency (MHz) |                   |   |   | 3457.5  | 3500.01 | 3542.49 |
| 15              | DFT-s-OFDM QPSK   | 1 | 1 | 26.13   | 25.96   | 25.44   |
| Channel         |                   |   |   | 630334  | 633334  | 636332  |
| Frequency (MHz) |                   |   |   | 3455.01 | 3500.01 | 3544.98 |
| 10              | DFT-s-OFDM QPSK   | 1 | 1 | 26.15   | 26.02   | 25.65   |

| n78(3700-3800MHz)(PC2) (ANT8) |            |        |          |             |                |              |
|-------------------------------|------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]                      | Modulation | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel                       |            |        |          | /           | 650000         | /            |



|                 |                      |     |     |         |         |         |
|-----------------|----------------------|-----|-----|---------|---------|---------|
| Frequency (MHz) |                      |     |     | /       | 3750.00 | /       |
| 100             | DFT-s-OFDM PI/2 BPSK | 1   | 1   | /       | 25.92   | /       |
| 100             |                      | 1   | 136 | /       | 25.93   | /       |
| 100             |                      | 1   | 271 | /       | 25.99   | /       |
| 100             |                      | 135 | 1   | /       | 25.65   | /       |
| 100             |                      | 135 | 67  | /       | 25.95   | /       |
| 100             |                      | 135 | 136 | /       | 25.33   | /       |
| 100             |                      | 270 | 0   | /       | 25.50   | /       |
| 100             | DFT-s-OFDM QPSK      | 1   | 1   | /       | 26.08   | /       |
| 100             |                      | 1   | 136 | /       | 25.96   | /       |
| 100             |                      | 1   | 271 | /       | 26.01   | /       |
| 100             |                      | 135 | 1   | /       | 25.47   | /       |
| 100             |                      | 135 | 67  | /       | 25.92   | /       |
| 100             |                      | 135 | 136 | /       | 25.31   | /       |
| 100             |                      | 270 | 0   | /       | 25.88   | /       |
| 100             | DFT-s-OFDM 16QAM     | 1   | 1   | /       | 24.69   | /       |
| 100             | DFT-s-OFDM 64QAM     | 1   | 1   | /       | 23.29   | /       |
| 100             | DFT-s-OFDM 256QAM    | 1   | 1   | /       | 21.05   | /       |
| 100             | CP-OFDM QPSK         | 1   | 1   | /       | 24.48   | /       |
| 100             | CP-OFDM 16QAM        | 1   | 1   | /       | 23.91   | /       |
| 100             | CP-OFDM 64QAM        | 1   | 1   | /       | 22.52   | /       |
| 100             | CP-OFDM 256QAM       | 1   | 1   | /       | 19.13   | /       |
| Channel         |                      |     |     | 649668  | 650000  | 650332  |
| Frequency (MHz) |                      |     |     | 3745.02 | 3750    | 3754.98 |
| 90              | DFT-s-OFDM QPSK      | 1   | 1   | 25.81   | 25.89   | 25.98   |
| Channel         |                      |     |     | 649334  | 650000  | 650666  |
| Frequency (MHz) |                      |     |     | 3740.01 | 3750    | 3759.99 |
| 80              | DFT-s-OFDM QPSK      | 1   | 1   | 25.90   | 25.97   | 26.04   |
| Channel         |                      |     |     | 649000  | 650000  | 651000  |
| Frequency (MHz) |                      |     |     | 3735    | 3750    | 3765    |
| 70              | DFT-s-OFDM QPSK      | 1   | 1   | 25.85   | 26.04   | 26.01   |
| Channel         |                      |     |     | 648668  | 650000  | 651332  |
| Frequency (MHz) |                      |     |     | 3730.02 | 3750    | 3769.98 |
| 60              | DFT-s-OFDM QPSK      | 1   | 1   | 25.68   | 25.89   | 25.85   |
| Channel         |                      |     |     | 648334  | 650000  | 651666  |
| Frequency (MHz) |                      |     |     | 3725.01 | 3750    | 3774.99 |
| 50              | DFT-s-OFDM QPSK      | 1   | 1   | 25.90   | 26.08   | 26.01   |
| Channel         |                      |     |     | 648000  | 650000  | 652000  |
| Frequency (MHz) |                      |     |     | 3720    | 3750    | 3780    |
| 40              | DFT-s-OFDM QPSK      | 1   | 1   | 25.77   | 26.00   | 25.87   |
| Channel         |                      |     |     | 647668  | 650000  | 652332  |



|                 |                 |   |   |         |        |         |
|-----------------|-----------------|---|---|---------|--------|---------|
| Frequency (MHz) |                 |   |   | 3715.02 | 3750   | 3784.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 25.80   | 26.07  | 25.83   |
| Channel         |                 |   |   | 647334  | 650000 | 652666  |
| Frequency (MHz) |                 |   |   | 3710.01 | 3750   | 3789.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 25.68   | 25.93  | 25.62   |
| Channel         |                 |   |   | 647168  | 650000 | 652832  |
| Frequency (MHz) |                 |   |   | 3707.52 | 3750   | 3792.48 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 25.76   | 26.02  | 25.72   |
| Channel         |                 |   |   | 647000  | 650000 | 653000  |
| Frequency (MHz) |                 |   |   | 3705    | 3750   | 3795    |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 25.79   | 26.00  | 25.87   |

| n78(3450-3550MHz)(PC2) (ANT8) |                      |        |          |             |                |              |
|-------------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]                      | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel                       |                      |        |          | /           | 633334         | /            |
| Frequency (MHz)               |                      |        |          | /           | 3500.01        | /            |
| 100                           | DFT-s-OFDM PI/2 BPSK | 1      | 1        | /           | 24.15          | /            |
| 100                           |                      | 1      | 136      | /           | 24.08          | /            |
| 100                           |                      | 1      | 271      | /           | 24.12          | /            |
| 100                           |                      | 135    | 1        | /           | 24.10          | /            |
| 100                           |                      | 135    | 67       | /           | 24.21          | /            |
| 100                           |                      | 135    | 136      | /           | 20.30          | /            |
| 100                           |                      | 270    | 0        | /           | 24.17          | /            |
| 100                           | DFT-s-OFDM QPSK      | 1      | 1        | /           | 24.23          | /            |
| 100                           |                      | 1      | 136      | /           | 24.03          | /            |
| 100                           |                      | 1      | 271      | /           | 24.13          | /            |
| 100                           |                      | 135    | 1        | /           | 24.07          | /            |
| 100                           |                      | 135    | 67       | /           | 24.16          | /            |
| 100                           |                      | 135    | 136      | /           | 24.06          | /            |
| 100                           |                      | 270    | 0        | /           | 24.09          | /            |
| 100                           | DFT-s-OFDM 16QAM     | 1      | 1        | /           | 24.09          | /            |
| 100                           | DFT-s-OFDM 64QAM     | 1      | 1        | /           | 23.34          | /            |
| 100                           | DFT-s-OFDM 256QAM    | 1      | 1        | /           | 21.43          | /            |
| 100                           | CP-OFDM QPSK         | 1      | 1        | /           | 24.19          | /            |
| 100                           | CP-OFDM 16QAM        | 1      | 1        | /           | 23.03          | /            |
| 100                           | CP-OFDM 64QAM        | 1      | 1        | /           | 24.07          | /            |
| 100                           | CP-OFDM 256QAM       | 1      | 1        | /           | 19.61          | /            |
| Channel                       |                      |        |          | 633000      | 633334         | 633666       |
| Frequency (MHz)               |                      |        |          | 3495        | 3500.01        | 3504.99      |
| 90                            | DFT-s-OFDM QPSK      | 1      | 1        | 24.05       | 24.12          | 24.18        |



|                 |                 |   |   |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|
| Channel         |                 |   |   | 632668  | 633334  | 634000  |
| Frequency (MHz) |                 |   |   | 3490.02 | 3500.01 | 3510    |
| 80              | DFT-s-OFDM QPSK | 1 | 1 | 24.04   | 24.05   | 24.11   |
| Channel         |                 |   |   | 632334  | 633334  | 634332  |
| Frequency (MHz) |                 |   |   | 3485.01 | 3500.01 | 3514.98 |
| 70              | DFT-s-OFDM QPSK | 1 | 1 | 23.95   | 24.10   | 24.16   |
| Channel         |                 |   |   | 632000  | 633334  | 634666  |
| Frequency (MHz) |                 |   |   | 3480    | 3500.01 | 3519.99 |
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 23.95   | 23.97   | 24.02   |
| Channel         |                 |   |   | 631668  | 633334  | 635000  |
| Frequency (MHz) |                 |   |   | 3475.02 | 3500.01 | 3525    |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 23.91   | 24.11   | 24.09   |
| Channel         |                 |   |   | 631334  | 633334  | 635332  |
| Frequency (MHz) |                 |   |   | 3470.01 | 3500.01 | 3529.98 |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 23.92   | 23.96   | 24.13   |
| Channel         |                 |   |   | 631000  | 633334  | 635666  |
| Frequency (MHz) |                 |   |   | 3465    | 3500.01 | 3534.99 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 23.96   | 24.20   | 24.11   |
| Channel         |                 |   |   | 630668  | 633334  | 636000  |
| Frequency (MHz) |                 |   |   | 3460.02 | 3500.01 | 3540    |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 23.86   | 24.00   | 24.03   |
| Channel         |                 |   |   | 630500  | 633334  | 636166  |
| Frequency (MHz) |                 |   |   | 3457.5  | 3500.01 | 3542.49 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 23.76   | 24.03   | 24.19   |
| Channel         |                 |   |   | 630334  | 633334  | 636332  |
| Frequency (MHz) |                 |   |   | 3455.01 | 3500.01 | 3544.98 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 23.75   | 24.10   | 24.16   |

| n78(3700-3800MHz)(PC3) (ANT8) |                      |        |          |             |                |              |
|-------------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]                      | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel                       |                      |        |          | /           | 650000         | /            |
| Frequency (MHz)               |                      |        |          | /           | 3750.00        | /            |
| 100                           | DFT-s-OFDM PI/2 BPSK | 1      | 1        | /           | 24.05          | /            |
| 100                           |                      | 1      | 136      | /           | 24.01          | /            |
| 100                           |                      | 1      | 271      | /           | 24.00          | /            |
| 100                           |                      | 135    | 1        | /           | 24.06          | /            |
| 100                           |                      | 135    | 67       | /           | 23.99          | /            |
| 100                           |                      | 135    | 136      | /           | 23.99          | /            |
| 100                           |                      | 270    | 0        | /           | 24.02          | /            |
| 100                           | DFT-s-OFDM QPSK      | 1      | 1        | /           | 24.16          | /            |
| 100                           |                      | 1      | 136      | /           | 24.00          | /            |
| 100                           |                      | 1      | 271      | /           | 24.02          | /            |
| 100                           |                      | 135    | 1        | /           | 24.04          | /            |



|                 |                   |     |     |         |        |         |
|-----------------|-------------------|-----|-----|---------|--------|---------|
| 100             |                   | 135 | 67  | /       | 23.93  | /       |
| 100             |                   | 135 | 136 | /       | 23.02  | /       |
| 100             |                   | 270 | 0   | /       | 24.02  | /       |
| 100             | DFT-s-OFDM 16QAM  | 1   | 1   | /       | 23.86  | /       |
| 100             | DFT-s-OFDM 64QAM  | 1   | 1   | /       | 23.17  | /       |
| 100             | DFT-s-OFDM 256QAM | 1   | 1   | /       | 21.23  | /       |
| 100             | CP-OFDM QPSK      | 1   | 1   | /       | 23.10  | /       |
| 100             | CP-OFDM 16QAM     | 1   | 1   | /       | 24.01  | /       |
| 100             | CP-OFDM 64QAM     | 1   | 1   | /       | 22.35  | /       |
| 100             | CP-OFDM 256QAM    | 1   | 1   | /       | 19.42  | /       |
| Channel         |                   |     |     | 649668  | 650000 | 650332  |
| Frequency (MHz) |                   |     |     | 3745.02 | 3750   | 3754.98 |
| 90              | DFT-s-OFDM QPSK   | 1   | 1   | 23.91   | 24.05  | 24.10   |
| Channel         |                   |     |     | 649334  | 650000 | 650666  |
| Frequency (MHz) |                   |     |     | 3740.01 | 3750   | 3759.99 |
| 80              | DFT-s-OFDM QPSK   | 1   | 1   | 23.94   | 24.02  | 24.03   |
| Channel         |                   |     |     | 649000  | 650000 | 651000  |
| Frequency (MHz) |                   |     |     | 3735    | 3750   | 3765    |
| 70              | DFT-s-OFDM QPSK   | 1   | 1   | 23.94   | 24.02  | 24.03   |
| Channel         |                   |     |     | 648668  | 650000 | 651332  |
| Frequency (MHz) |                   |     |     | 3730.02 | 3750   | 3769.98 |
| 60              | DFT-s-OFDM QPSK   | 1   | 1   | 24.03   | 23.89  | 24.04   |
| Channel         |                   |     |     | 648334  | 650000 | 651666  |
| Frequency (MHz) |                   |     |     | 3725.01 | 3750   | 3774.99 |
| 50              | DFT-s-OFDM QPSK   | 1   | 1   | 24.12   | 24.12  | 24.12   |
| Channel         |                   |     |     | 648000  | 650000 | 652000  |
| Frequency (MHz) |                   |     |     | 3720    | 3750   | 3780    |
| 40              | DFT-s-OFDM QPSK   | 1   | 1   | 24.12   | 24.09  | 24.06   |
| Channel         |                   |     |     | 647668  | 650000 | 652332  |
| Frequency (MHz) |                   |     |     | 3715.02 | 3750   | 3784.98 |
| 30              | DFT-s-OFDM QPSK   | 1   | 1   | 24.11   | 24.10  | 24.06   |
| Channel         |                   |     |     | 647334  | 650000 | 652666  |
| Frequency (MHz) |                   |     |     | 3710.01 | 3750   | 3789.99 |
| 20              | DFT-s-OFDM QPSK   | 1   | 1   | 24.02   | 24.15  | 24.15   |
| Channel         |                   |     |     | 647168  | 650000 | 652832  |
| Frequency (MHz) |                   |     |     | 3707.52 | 3750   | 3792.48 |
| 15              | DFT-s-OFDM QPSK   | 1   | 1   | 24.07   | 24.10  | 24.09   |
| Channel         |                   |     |     | 647000  | 650000 | 653000  |
| Frequency (MHz) |                   |     |     | 3705    | 3750   | 3795    |
| 10              | DFT-s-OFDM QPSK   | 1   | 1   | 24.01   | 24.05  | 24.02   |



| B7_n2 (PC3)     |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 372000      | 376000         | 380000       |
| Frequency (MHz) |                      |        |          | 1860        | 1880           | 1900         |
| 20              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.94       | 23.80          | 23.78        |
| 20              |                      | 1      | 53       | 23.90       | 23.76          | 23.75        |
| 20              |                      | 1      | 104      | 23.86       | 23.65          | 23.81        |
| 20              |                      | 50     | 1        | 23.41       | 23.31          | 23.26        |
| 20              |                      | 50     | 25       | 23.96       | 23.62          | 23.78        |
| 20              |                      | 50     | 50       | 23.40       | 23.06          | 23.29        |
| 20              |                      | 100    | 0        | 23.40       | 23.22          | 23.28        |
| 20              | DFT-s-OFDM QPSK      | 1      | 1        | 23.98       | 24.00          | 23.83        |
| 20              |                      | 1      | 53       | 23.80       | 23.78          | 23.83        |
| 20              |                      | 1      | 104      | 23.88       | 23.63          | 23.88        |
| 20              |                      | 50     | 1        | 22.96       | 22.74          | 22.73        |
| 20              |                      | 50     | 25       | 23.85       | 23.65          | 23.69        |
| 20              |                      | 50     | 50       | 22.90       | 22.71          | 22.70        |
| 20              |                      | 100    | 0        | 22.92       | 22.72          | 22.79        |
| 20              | DFT-s-OFDM 16QAM     | 1      | 1        | 23.13       | 22.97          | 22.88        |
| 20              | DFT-s-OFDM 64QAM     | 1      | 1        | 21.56       | 21.47          | 21.39        |
| 20              | DFT-s-OFDM 256QAM    | 1      | 1        | 19.26       | 19.12          | 19.12        |
| 20              | CP-OFDM QPSK         | 1      | 1        | 22.60       | 22.46          | 22.44        |
| 20              | CP-OFDM 16QAM        | 1      | 1        | 21.94       | 21.86          | 21.78        |
| 20              | CP-OFDM 64QAM        | 1      | 1        | 20.53       | 20.37          | 20.34        |
| 20              | CP-OFDM 256QAM       | 1      | 1        | 17.23       | 17.07          | 17.07        |
| Channel         |                      |        |          | 371500      | 376000         | 380500       |
| Frequency (MHz) |                      |        |          | 1857.5      | 1880           | 1902.5       |
| 15              | DFT-s-OFDM QPSK      | 1      | 1        | 23.92       | 23.76          | 23.74        |
| Channel         |                      |        |          | 371000      | 376000         | 381000       |
| Frequency (MHz) |                      |        |          | 1855        | 1880           | 1905         |
| 10              | DFT-s-OFDM QPSK      | 1      | 1        | 23.98       | 23.81          | 23.64        |
| Channel         |                      |        |          | 370500      | 376000         | 381500       |
| Frequency (MHz) |                      |        |          | 1852.5      | 1880           | 1907.5       |
| 5               | DFT-s-OFDM QPSK      | 1      | 1        | 23.54       | 23.51          | 23.36        |



| B66_n5 (PC3)    |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 166800      | 167300         | 167800       |
| Frequency (MHz) |                      |        |          | 834         | 836.5          | 839          |
| 20              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.93       | 23.98          | 23.94        |
| 20              |                      | 1      | 53       | 24.00       | 23.95          | 23.98        |
| 20              |                      | 1      | 104      | 23.98       | 23.93          | 23.91        |
| 20              |                      | 50     | 1        | 23.44       | 23.44          | 23.41        |
| 20              |                      | 50     | 25       | 24.03       | 23.86          | 23.94        |
| 20              |                      | 50     | 50       | 23.40       | 23.44          | 23.38        |
| 20              |                      | 100    | 0        | 23.61       | 23.51          | 23.58        |
| 20              |                      | 1      | 1        | 23.99       | 24.05          | 24.00        |
| 20              | DFT-s-OFDM QPSK      | 1      | 53       | 24.04       | 23.97          | 24.00        |
| 20              |                      | 1      | 104      | 23.86       | 23.94          | 23.98        |
| 20              |                      | 50     | 1        | 23.00       | 23.01          | 22.99        |
| 20              |                      | 50     | 25       | 23.88       | 23.91          | 23.94        |
| 20              |                      | 50     | 50       | 22.99       | 22.91          | 22.91        |
| 20              |                      | 100    | 0        | 23.16       | 23.04          | 23.05        |
| 20              | DFT-s-OFDM 16QAM     | 1      | 1        | 23.23       | 23.17          | 23.21        |
| 20              | DFT-s-OFDM 64QAM     | 1      | 1        | 21.66       | 21.66          | 21.59        |
| 20              | DFT-s-OFDM 256QAM    | 1      | 1        | 19.42       | 19.43          | 19.42        |
| 20              | CP-OFDM QPSK         | 1      | 1        | 22.76       | 22.74          | 22.75        |
| 20              | CP-OFDM 16QAM        | 1      | 1        | 22.09       | 22.11          | 22.07        |
| 20              | CP-OFDM 64QAM        | 1      | 1        | 20.58       | 20.58          | 20.58        |
| 20              | CP-OFDM 256QAM       | 1      | 1        | 17.41       | 17.38          | 17.37        |
| Channel         |                      |        |          | 166300      | 167300         | 168300       |
| Frequency (MHz) |                      |        |          | 831.5       | 836.5          | 841.5        |
| 15              | DFT-s-OFDM QPSK      | 1      | 1        | 24.08       | 24.02          | 24.05        |
| Channel         |                      |        |          | 165800      | 167300         | 168800       |
| Frequency (MHz) |                      |        |          | 829         | 836.5          | 844          |
| 10              | DFT-s-OFDM QPSK      | 1      | 1        | 23.96       | 23.84          | 23.83        |
| Channel         |                      |        |          | 165300      | 167300         | 169300       |
| Frequency (MHz) |                      |        |          | 826.5       | 836.5          | 846.5        |
| 5               | DFT-s-OFDM QPSK      | 1      | 1        | 23.85       | 23.77          | 23.83        |



| B2_n7 (PC3)     |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 504000      | 507000         | 510000       |
| Frequency (MHz) |                      |        |          | 2520        | 2535           | 2550         |
| 40              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 22.89       | 22.78          | 22.95        |
| 40              |                      | 1      | 108      | 22.77       | 22.92          | 22.94        |
| 40              |                      | 1      | 214      | 23.01       | 23.14          | 23.15        |
| 40              |                      | 108    | 1        | 22.19       | 22.30          | 22.43        |
| 40              |                      | 108    | 54       | 22.87       | 23.01          | 23.06        |
| 40              |                      | 108    | 108      | 22.40       | 22.37          | 22.52        |
| 40              |                      | 216    | 0        | 22.39       | 22.46          | 22.57        |
| 40              | DFT-s-OFDM QPSK      | 1      | 1        | 23.54       | 23.79          | 24.05        |
| 40              |                      | 1      | 108      | 23.65       | 23.78          | 23.83        |
| 40              |                      | 1      | 214      | 23.98       | 23.96          | 23.93        |
| 40              |                      | 108    | 1        | 22.78       | 22.88          | 22.95        |
| 40              |                      | 108    | 54       | 23.84       | 23.91          | 23.97        |
| 40              |                      | 108    | 108      | 22.87       | 22.92          | 22.98        |
| 40              |                      | 216    | 0        | 22.95       | 23.02          | 23.06        |
| 40              | DFT-s-OFDM 16QAM     | 1      | 1        | 22.78       | 22.99          | 23.08        |
| 40              | DFT-s-OFDM 64QAM     | 1      | 1        | 21.23       | 21.40          | 21.52        |
| 40              | DFT-s-OFDM 256QAM    | 1      | 1        | 18.99       | 19.13          | 19.25        |
| 40              | CP-OFDM QPSK         | 1      | 1        | 22.28       | 22.44          | 22.54        |
| 40              | CP-OFDM 16QAM        | 1      | 1        | 21.71       | 21.84          | 21.96        |
| 40              | CP-OFDM 64QAM        | 1      | 1        | 20.13       | 20.34          | 20.48        |
| 40              | CP-OFDM 256QAM       | 1      | 1        | 17.21       | 17.38          | 17.44        |
| Channel         |                      |        |          | 503000      | 507000         | 511000       |
| Frequency (MHz) |                      |        |          | 2515        | 2535           | 2555         |
| 30              | DFT-s-OFDM QPSK      | 1      | 1        | 23.67       | 23.79          | 23.72        |
| Channel         |                      |        |          | 502500      | 507000         | 511500       |
| Frequency (MHz) |                      |        |          | 2512.5      | 2535           | 2557.5       |
| 25              | DFT-s-OFDM QPSK      | 1      | 1        | 23.69       | 23.65          | 23.83        |
| Channel         |                      |        |          | 502000      | 507000         | 512000       |
| Frequency (MHz) |                      |        |          | 2510        | 2535           | 2560         |
| 20              | DFT-s-OFDM QPSK      | 1      | 1        | 23.81       | 23.63          | 23.70        |
| Channel         |                      |        |          | 501500      | 507000         | 512500       |
| Frequency (MHz) |                      |        |          | 2507.5      | 2535           | 2562.5       |
| 15              | DFT-s-OFDM QPSK      | 1      | 1        | 23.76       | 23.65          | 23.80        |
| Channel         |                      |        |          | 501000      | 507000         | 513000       |
| Frequency (MHz) |                      |        |          | 2505        | 2535           | 2565         |
| 10              | DFT-s-OFDM QPSK      | 1      | 1        | 23.51       | 23.75          | 23.80        |
| Channel         |                      |        |          | 500500      | 507000         | 513500       |
| Frequency (MHz) |                      |        |          | 2502.5      | 2535           | 2567.5       |



|   |                 |   |   |       |       |       |
|---|-----------------|---|---|-------|-------|-------|
| 5 | DFT-s-OFDM QPSK | 1 | 1 | 23.46 | 23.64 | 23.90 |
|---|-----------------|---|---|-------|-------|-------|

| B7_n25 (PC3)    |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 374000      | 376500         | 379000       |
| Frequency (MHz) |                      |        |          | 1870        | 1882.5         | 1895         |
| 40              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.91       | 23.90          | 23.70        |
| 40              |                      | 1      | 108      | 23.66       | 23.53          | 23.46        |
| 40              |                      | 1      | 214      | 23.56       | 23.60          | 23.70        |
| 40              |                      | 108    | 1        | 23.39       | 23.33          | 23.19        |
| 40              |                      | 108    | 54       | 23.74       | 23.69          | 23.55        |
| 40              |                      | 108    | 108      | 23.21       | 23.07          | 23.04        |
| 40              |                      | 216    | 0        | 23.37       | 23.27          | 23.21        |
| 40              | DFT-s-OFDM QPSK      | 1      | 1        | 23.92       | 23.89          | 23.77        |
| 40              |                      | 1      | 108      | 23.68       | 23.61          | 23.45        |
| 40              |                      | 1      | 214      | 23.58       | 23.61          | 23.35        |
| 40              |                      | 108    | 1        | 22.88       | 22.83          | 22.68        |
| 40              |                      | 108    | 54       | 23.74       | 23.67          | 23.57        |
| 40              |                      | 108    | 108      | 22.67       | 22.64          | 22.57        |
| 40              |                      | 216    | 0        | 22.87       | 22.82          | 22.75        |
| 40              | DFT-s-OFDM 16QAM     | 1      | 1        | 23.07       | 23.11          | 22.95        |
| 40              | DFT-s-OFDM 64QAM     | 1      | 1        | 21.46       | 21.52          | 21.38        |
| 40              | DFT-s-OFDM 256QAM    | 1      | 1        | 19.28       | 19.21          | 19.08        |
| 40              | CP-OFDM QPSK         | 1      | 1        | 22.54       | 22.52          | 22.39        |
| 40              | CP-OFDM 16QAM        | 1      | 1        | 21.97       | 21.93          | 21.81        |
| 40              | CP-OFDM 64QAM        | 1      | 1        | 20.49       | 20.48          | 20.34        |
| 40              | CP-OFDM 256QAM       | 1      | 1        | 17.24       | 17.33          | 17.16        |
| Channel         |                      |        |          | 373000      | 376500         | 380000       |
| Frequency (MHz) |                      |        |          | 1865        | 1882.5         | 1900         |
| 30              | DFT-s-OFDM QPSK      | 1      | 1        | 23.69       | 23.84          | 23.67        |
| Channel         |                      |        |          | 372500      | 376500         | 380500       |
| Frequency (MHz) |                      |        |          | 1862.5      | 1882.5         | 1902.5       |
| 25              | DFT-s-OFDM QPSK      | 1      | 1        | 23.72       | 23.92          | 23.68        |
| Channel         |                      |        |          | 372000      | 376500         | 381000       |
| Frequency (MHz) |                      |        |          | 1860        | 1882.5         | 1905         |
| 20              | DFT-s-OFDM QPSK      | 1      | 1        | 23.60       | 23.46          | 23.43        |
| Channel         |                      |        |          | 371500      | 376500         | 381500       |
| Frequency (MHz) |                      |        |          | 1857.5      | 1882.5         | 1907.5       |
| 15              | DFT-s-OFDM QPSK      | 1      | 1        | 23.65       | 23.50          | 23.50        |
| Channel         |                      |        |          | 371000      | 376500         | 382000       |
| Frequency (MHz) |                      |        |          | 1855        | 1882.5         | 1910         |
| 10              | DFT-s-OFDM QPSK      | 1      | 1        | 23.65       | 23.50          | 23.33        |



|                 |                 |   |   |        |        |        |
|-----------------|-----------------|---|---|--------|--------|--------|
| Channel         |                 |   |   | 370500 | 376500 | 382500 |
| Frequency (MHz) |                 |   |   | 1852.5 | 1882.5 | 1912.5 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 23.59  | 23.49  | 23.25  |

| B2_n38 (PC3)    |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 518000      | 519000         | 520000       |
| Frequency (MHz) |                      |        |          | 2590        | 2595           | 2600         |
| 40              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 24.17       | 24.20          | 24.18        |
| 40              |                      | 1      | 53       | 23.96       | 23.91          | 23.88        |
| 40              |                      | 1      | 104      | 23.96       | 23.89          | 23.91        |
| 40              |                      | 50     | 1        | 23.68       | 23.67          | 23.64        |
| 40              |                      | 50     | 25       | 24.10       | 24.12          | 24.07        |
| 40              |                      | 50     | 50       | 23.54       | 23.49          | 23.52        |
| 40              |                      | 100    | 0        | 23.77       | 23.71          | 23.71        |
| 40              | DFT-s-OFDM QPSK      | 1      | 1        | 24.21       | 24.19          | 24.26        |
| 40              |                      | 1      | 53       | 23.96       | 23.91          | 23.87        |
| 40              |                      | 1      | 104      | 23.95       | 23.91          | 23.90        |
| 40              |                      | 50     | 1        | 23.19       | 23.17          | 23.15        |
| 40              |                      | 50     | 25       | 24.12       | 24.07          | 24.08        |
| 40              |                      | 50     | 50       | 23.05       | 23.02          | 23.02        |
| 40              |                      | 100    | 0        | 23.28       | 23.23          | 23.18        |
| 40              | DFT-s-OFDM 16QAM     | 1      | 1        | 23.06       | 23.15          | 23.17        |
| 40              | DFT-s-OFDM 64QAM     | 1      | 1        | 21.62       | 21.73          | 21.75        |
| 40              | DFT-s-OFDM 256QAM    | 1      | 1        | 19.37       | 19.42          | 19.43        |
| 40              | CP-OFDM QPSK         | 1      | 1        | 22.86       | 22.83          | 22.87        |
| 40              | CP-OFDM 16QAM        | 1      | 1        | 22.40       | 22.39          | 22.43        |
| 40              | CP-OFDM 64QAM        | 1      | 1        | 20.77       | 20.76          | 20.79        |
| 40              | CP-OFDM 256QAM       | 1      | 1        | 17.47       | 17.47          | 17.51        |
| Channel         |                      |        |          | 517000      | 519000         | 521000       |
| Frequency (MHz) |                      |        |          | 2585        | 2595           | 2605         |
| 30              | DFT-s-OFDM QPSK      | 1      | 1        | 24.24       | 24.25          | 24.22        |
| Channel         |                      |        |          | 516000      | 519000         | 522000       |
| Frequency (MHz) |                      |        |          | 2580        | 2595           | 2610         |
| 20              | DFT-s-OFDM QPSK      | 1      | 1        | 24.04       | 24.06          | 24.00        |
| Channel         |                      |        |          | 515500      | 519000         | 522500       |
| Frequency (MHz) |                      |        |          | 2577.5      | 2595           | 2612.5       |
| 15              | DFT-s-OFDM QPSK      | 1      | 1        | 24.11       | 24.10          | 24.01        |
| Channel         |                      |        |          | 515000      | 519000         | 523000       |
| Frequency (MHz) |                      |        |          | 2575        | 2595           | 2615         |
| 10              | DFT-s-OFDM QPSK      | 1      | 1        | 24.10       | 24.12          | 24.04        |



| B25_n41 (PC2)   |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 509202      | 518598         | 528000       |
| Frequency (MHz) |                      |        |          | 2546.01     | 2592.99        | 2640         |
| 100             | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 25.69       | 25.87          | 26.00        |
| 100             |                      | 1      | 136      | 25.81       | 25.96          | 25.79        |
| 100             |                      | 1      | 271      | 26.00       | 25.95          | 25.73        |
| 100             |                      | 135    | 1        | 24.25       | 24.53          | 24.49        |
| 100             |                      | 135    | 67       | 25.87       | 26.00          | 25.88        |
| 100             |                      | 135    | 136      | 24.49       | 24.43          | 24.16        |
| 100             |                      | 270    | 0        | 24.37       | 24.61          | 24.45        |
| 100             | DFT-s-OFDM QPSK      | 1      | 1        | 25.73       | 25.89          | 26.17        |
| 100             |                      | 1      | 136      | 25.84       | 25.96          | 25.81        |
| 100             |                      | 1      | 271      | 26.05       | 25.86          | 25.50        |
| 100             |                      | 135    | 1        | 24.25       | 24.54          | 24.47        |
| 100             |                      | 135    | 67       | 25.86       | 26.05          | 25.88        |
| 100             |                      | 135    | 136      | 24.49       | 24.43          | 24.17        |
| 100             |                      | 270    | 0        | 24.35       | 24.62          | 24.45        |
| 100             | DFT-s-OFDM 16QAM     | 1      | 1        | 24.84       | 25.05          | 25.16        |
| 100             | DFT-s-OFDM 64QAM     | 1      | 1        | 23.80       | 24.13          | 24.20        |
| 100             | DFT-s-OFDM 256QAM    | 1      | 1        | 22.15       | 22.74          | 22.87        |
| 100             | CP-OFDM QPSK         | 1      | 1        | 24.65       | 24.98          | 25.16        |
| 100             | CP-OFDM 16QAM        | 1      | 1        | 24.29       | 24.53          | 24.67        |
| 100             | CP-OFDM 64QAM        | 1      | 1        | 23.64       | 24.03          | 24.14        |
| 100             | CP-OFDM 256QAM       | 1      | 1        | 20.17       | 20.28          | 20.42        |
| Channel         |                      |        |          | 508200      | 518598         | 528996       |
| Frequency (MHz) |                      |        |          | 2541        | 2592.99        | 2644.98      |
| 90              | DFT-s-OFDM QPSK      | 1      | 1        | 25.74       | 25.99          | 26.09        |
| Channel         |                      |        |          | 507204      | 518598         | 529998       |
| Frequency (MHz) |                      |        |          | 2536.02     | 2592.99        | 2649.99      |
| 80              | DFT-s-OFDM QPSK      | 1      | 1        | 25.77       | 26.02          | 26.09        |
| Channel         |                      |        |          | 506202      | 518598         | 531000       |
| Frequency (MHz) |                      |        |          | 2531.01     | 2592.99        | 2655         |
| 70              | DFT-s-OFDM QPSK      | 1      | 1        | 25.62       | 25.99          | 25.95        |
| Channel         |                      |        |          | 505200      | 518598         | 531996       |
| Frequency (MHz) |                      |        |          | 2526        | 2592.99        | 2659.98      |
| 60              | DFT-s-OFDM QPSK      | 1      | 1        | 25.71       | 26.06          | 25.92        |
| Channel         |                      |        |          | 504204      | 518598         | 532998       |
| Frequency (MHz) |                      |        |          | 2521.02     | 2592.99        | 2664.99      |
| 50              | DFT-s-OFDM QPSK      | 1      | 1        | 25.72       | 26.06          | 26.04        |
| Channel         |                      |        |          | 503202      | 518598         | 534000       |
| Frequency (MHz) |                      |        |          | 2516.01     | 2592.99        | 2670         |



|                 |                 |   |   |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 25.88   | 25.99   | 25.62   |
| Channel         |                 |   |   | 502200  | 518598  | 534996  |
| Frequency (MHz) |                 |   |   | 2511    | 2592.99 | 2674.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 26.07   | 26.11   | 25.72   |
| Channel         |                 |   |   | 501204  | 518598  | 535998  |
| Frequency (MHz) |                 |   |   | 2506.02 | 2592.99 | 2679.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 25.73   | 26.04   | 25.65   |

| B71_n66 (PC3)   |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 346000      | 349000         | 352000       |
| Frequency (MHz) |                      |        |          | 1730        | 1745           | 1760         |
| 40              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.24       | 23.31          | 23.27        |
| 40              |                      | 1      | 108      | 23.18       | 23.12          | 22.97        |
| 40              |                      | 1      | 214      | 23.19       | 23.18          | 22.97        |
| 40              |                      | 108    | 1        | 22.77       | 22.78          | 22.64        |
| 40              |                      | 108    | 54       | 23.24       | 23.15          | 23.11        |
| 40              |                      | 108    | 108      | 22.75       | 22.72          | 22.61        |
| 40              |                      | 216    | 0        | 22.84       | 22.76          | 22.71        |
| 40              | DFT-s-OFDM QPSK      | 1      | 1        | 23.30       | 23.33          | 23.23        |
| 40              |                      | 1      | 108      | 23.14       | 23.07          | 23.00        |
| 40              |                      | 1      | 214      | 23.19       | 23.14          | 23.15        |
| 40              |                      | 108    | 1        | 22.30       | 22.28          | 22.16        |
| 40              |                      | 108    | 54       | 23.25       | 23.18          | 23.12        |
| 40              |                      | 108    | 108      | 22.34       | 22.26          | 22.16        |
| 40              |                      | 216    | 0        | 22.37       | 22.29          | 22.29        |
| 40              | DFT-s-OFDM 16QAM     | 1      | 1        | 22.47       | 22.47          | 22.44        |
| 40              | DFT-s-OFDM 64QAM     | 1      | 1        | 20.92       | 20.90          | 20.89        |
| 40              | DFT-s-OFDM 256QAM    | 1      | 1        | 18.58       | 18.68          | 18.58        |
| 40              | CP-OFDM QPSK         | 1      | 1        | 22.06       | 22.06          | 21.90        |
| 40              | CP-OFDM 16QAM        | 1      | 1        | 21.37       | 21.39          | 21.34        |
| 40              | CP-OFDM 64QAM        | 1      | 1        | 19.83       | 19.96          | 19.82        |
| 40              | CP-OFDM 256QAM       | 1      | 1        | 16.69       | 16.64          | 16.62        |
| Channel         |                      |        |          | 345000      | 349000         | 353000       |
| Frequency (MHz) |                      |        |          | 1725        | 1745           | 1765         |
| 30              | DFT-s-OFDM QPSK      | 1      | 1        | 23.06       | 23.23          | 23.24        |
| Channel         |                      |        |          | 344000      | 349000         | 354000       |
| Frequency (MHz) |                      |        |          | 1720        | 1745           | 1770         |
| 20              | DFT-s-OFDM QPSK      | 1      | 1        | 23.05       | 22.79          | 23.06        |
| Channel         |                      |        |          | 343500      | 349000         | 354500       |
| Frequency (MHz) |                      |        |          | 1717.5      | 1745           | 1772.5       |
| 15              | DFT-s-OFDM QPSK      | 1      | 1        | 22.72       | 23.23          | 23.16        |



|                 |                 |   |   |        |        |        |
|-----------------|-----------------|---|---|--------|--------|--------|
| Channel         |                 |   |   | 343000 | 349000 | 355000 |
| Frequency (MHz) |                 |   |   | 1715   | 1745   | 1775   |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 22.73  | 22.73  | 22.51  |
| Channel         |                 |   |   | 342500 | 349000 | 355500 |
| Frequency (MHz) |                 |   |   | 1712.5 | 1745   | 1777.5 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 22.91  | 22.35  | 21.06  |

| B66_n71 (PC3)   |                      |        |          |             |                |              |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |        |          | 134600      | 136100         | 137600       |
| Frequency (MHz) |                      |        |          | 673         | 680.5          | 688          |
| 20              | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 22.90       | 23.01          | 23.06        |
| 20              |                      | 1      | 53       | 22.98       | 23.09          | 23.04        |
| 20              |                      | 1      | 104      | 23.04       | 23.02          | 22.93        |
| 20              |                      | 50     | 1        | 22.40       | 22.43          | 22.52        |
| 20              |                      | 50     | 25       | 23.01       | 23.11          | 23.01        |
| 20              |                      | 50     | 50       | 22.52       | 22.51          | 22.44        |
| 20              | DFT-s-OFDM QPSK      | 100    | 0        | 22.51       | 22.64          | 22.52        |
| 20              |                      | 1      | 1        | 22.99       | 23.81          | 24.09        |
| 20              |                      | 1      | 53       | 23.88       | 24.02          | 23.97        |
| 20              |                      | 1      | 104      | 23.98       | 23.94          | 23.79        |
| 20              |                      | 50     | 1        | 22.96       | 22.96          | 23.05        |
| 20              |                      | 50     | 25       | 23.88       | 24.02          | 24.06        |
| 20              | DFT-s-OFDM 16QAM     | 50     | 50       | 23.00       | 23.00          | 23.00        |
| 20              |                      | 100    | 0        | 23.01       | 23.13          | 23.04        |
| 20              | DFT-s-OFDM 64QAM     | 1      | 1        | 22.28       | 23.01          | 23.20        |
| 20              | DFT-s-OFDM 256QAM    | 1      | 1        | 20.69       | 21.44          | 21.62        |
| 20              | CP-OFDM QPSK         | 1      | 1        | 18.78       | 19.35          | 19.43        |
| 20              | CP-OFDM 16QAM        | 1      | 1        | 21.56       | 22.59          | 22.66        |
| 20              | CP-OFDM 64QAM        | 1      | 1        | 21.05       | 21.89          | 22.07        |
| 20              | CP-OFDM 256QAM       | 1      | 1        | 20.37       | 20.47          | 20.53        |
| 20              | CP-OFDM 256QAM       | 1      | 1        | 17.32       | 17.31          | 17.37        |
| Channel         |                      |        |          | 134100      | 136100         | 138100       |
| Frequency (MHz) |                      |        |          | 670.5       | 680.5          | 690.5        |
| 15              | DFT-s-OFDM QPSK      | 1      | 1        | 23.04       | 23.95          | 23.98        |
| Channel         |                      |        |          | 133600      | 136100         | 138600       |
| Frequency (MHz) |                      |        |          | 668         | 680.5          | 693          |
| 10              | DFT-s-OFDM QPSK      | 1      | 1        | 23.51       | 23.94          | 23.92        |
| Channel         |                      |        |          | 133100      | 136100         | 139100       |
| Frequency (MHz) |                      |        |          | 665.5       | 680.5          | 695.5        |
| 5               | DFT-s-OFDM QPSK      | 1      | 1        | 23.81       | 23.85          | 23.75        |



| B41_n77(3450-3550MHz) (PC2) |                      |        |          |             |                |              |
|-----------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]                    | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel                     |                      |        |          | /           | 633334         | /            |
| Frequency (MHz)             |                      |        |          | /           | 3500.01        | /            |
| 100                         | DFT-s-OFDM PI/2 BPSK | 1      | 1        | /           | 25.48          | /            |
| 100                         |                      | 1      | 136      | /           | 25.15          | /            |
| 100                         |                      | 1      | 271      | /           | 24.72          | /            |
| 100                         |                      | 135    | 1        | /           | 24.76          | /            |
| 100                         |                      | 135    | 67       | /           | 25.13          | /            |
| 100                         |                      | 135    | 136      | /           | 24.20          | /            |
| 100                         |                      | 270    | 0        | /           | 24.64          | /            |
| 100                         | DFT-s-OFDM QPSK      | 1      | 1        | /           | 25.49          | /            |
| 100                         |                      | 1      | 136      | /           | 25.10          | /            |
| 100                         |                      | 1      | 271      | /           | 24.76          | /            |
| 100                         |                      | 135    | 1        | /           | 24.24          | /            |
| 100                         |                      | 135    | 67       | /           | 25.08          | /            |
| 100                         |                      | 135    | 136      | /           | 23.70          | /            |
| 100                         |                      | 270    | 0        | /           | 24.13          | /            |
| 100                         | DFT-s-OFDM 16QAM     | 1      | 1        | /           | 24.42          | /            |
| 100                         | DFT-s-OFDM 64QAM     | 1      | 1        | /           | 23.05          | /            |
| 100                         | DFT-s-OFDM 256QAM    | 1      | 1        | /           | 20.71          | /            |
| 100                         | CP-OFDM QPSK         | 1      | 1        | /           | 24.10          | /            |
| 100                         | CP-OFDM 16QAM        | 1      | 1        | /           | 23.53          | /            |
| 100                         | CP-OFDM 64QAM        | 1      | 1        | /           | 21.86          | /            |
| 100                         | CP-OFDM 256QAM       | 1      | 1        | /           | 18.65          | /            |
| Channel                     |                      |        |          | 633000      | 633334         | 633666       |
| Frequency (MHz)             |                      |        |          | 3495        | 3500.01        | 3504.99      |
| 90                          | DFT-s-OFDM QPSK      | 1      | 1        | 25.36       | 25.34          | 25.32        |
| Channel                     |                      |        |          | 632668      | 633334         | 634000       |
| Frequency (MHz)             |                      |        |          | 3490.02     | 3500.01        | 3510         |
| 80                          | DFT-s-OFDM QPSK      | 1      | 1        | 25.38       | 25.33          | 25.37        |
| Channel                     |                      |        |          | 632334      | 633334         | 634332       |
| Frequency (MHz)             |                      |        |          | 3485.01     | 3500.01        | 3514.98      |
| 70                          | DFT-s-OFDM QPSK      | 1      | 1        | 25.35       | 25.35          | 25.19        |
| Channel                     |                      |        |          | 632000      | 633334         | 634666       |
| Frequency (MHz)             |                      |        |          | 3480        | 3500.01        | 3519.99      |
| 60                          | DFT-s-OFDM QPSK      | 1      | 1        | 25.17       | 25.09          | 25.08        |
| Channel                     |                      |        |          | 631668      | 633334         | 635000       |
| Frequency (MHz)             |                      |        |          | 3475.02     | 3500.01        | 3525         |
| 50                          | DFT-s-OFDM QPSK      | 1      | 1        | 25.44       | 25.35          | 25.19        |
| Channel                     |                      |        |          | 631334      | 633334         | 635332       |
| Frequency (MHz)             |                      |        |          | 3470.01     | 3500.01        | 3529.98      |



|                 |                 |   |   |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 25.27   | 25.18   | 24.82   |
| Channel         |                 |   |   | 631000  | 633334  | 635666  |
| Frequency (MHz) |                 |   |   | 3465    | 3500.01 | 3534.99 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 25.41   | 25.24   | 24.79   |
| Channel         |                 |   |   | 630668  | 633334  | 636000  |
| Frequency (MHz) |                 |   |   | 3460.02 | 3500.01 | 3540    |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 25.25   | 25.35   | 24.76   |
| Channel         |                 |   |   | 630500  | 633334  | 636166  |
| Frequency (MHz) |                 |   |   | 3457.5  | 3500.01 | 3542.49 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 25.29   | 25.37   | 24.60   |
| Channel         |                 |   |   | 630334  | 633334  | 636332  |
| Frequency (MHz) |                 |   |   | 3455.01 | 3500.01 | 3544.98 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 25.22   | 25.23   | 24.54   |

| B5_n78(3450-3550MHz) (PC2) |                      |        |          |             |                |              |
|----------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz]                   | Modulation           | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel                    |                      |        |          | /           | 633334         | /            |
| Frequency (MHz)            |                      |        |          | /           | 3500.01        | /            |
| 100                        | DFT-s-OFDM PI/2 BPSK | 1      | 1        | /           | 26.47          | /            |
| 100                        |                      | 1      | 136      | /           | 26.28          | /            |
| 100                        |                      | 1      | 271      | /           | 25.86          | /            |
| 100                        |                      | 135    | 1        | /           | 25.90          | /            |
| 100                        |                      | 135    | 67       | /           | 26.27          | /            |
| 100                        |                      | 135    | 136      | /           | 25.29          | /            |
| 100                        |                      | 270    | 0        | /           | 25.77          | /            |
| 100                        | DFT-s-OFDM QPSK      | 1      | 1        | /           | 26.58          | /            |
| 100                        |                      | 1      | 136      | /           | 26.22          | /            |
| 100                        |                      | 1      | 271      | /           | 25.84          | /            |
| 100                        |                      | 135    | 1        | /           | 25.38          | /            |
| 100                        |                      | 135    | 67       | /           | 26.18          | /            |
| 100                        |                      | 135    | 136      | /           | 24.78          | /            |
| 100                        |                      | 270    | 0        | /           | 25.29          | /            |
| 100                        | DFT-s-OFDM 16QAM     | 1      | 1        | /           | 25.63          | /            |
| 100                        | DFT-s-OFDM 64QAM     | 1      | 1        | /           | 24.24          | /            |
| 100                        | DFT-s-OFDM 256QAM    | 1      | 1        | /           | 21.94          | /            |
| 100                        | CP-OFDM QPSK         | 1      | 1        | /           | 25.31          | /            |
| 100                        | CP-OFDM 16QAM        | 1      | 1        | /           | 24.75          | /            |
| 100                        | CP-OFDM 64QAM        | 1      | 1        | /           | 23.15          | /            |
| 100                        | CP-OFDM 256QAM       | 1      | 1        | /           | 19.98          | /            |
| Channel                    |                      |        |          | 633000      | 633334         | 633666       |
| Frequency (MHz)            |                      |        |          | 3495        | 3500.01        | 3504.99      |
| 90                         | DFT-s-OFDM QPSK      | 1      | 1        | 26.56       | 26.47          | 26.32        |



|                 |                 |   |   |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|
| Channel         |                 |   |   | 632668  | 633334  | 634000  |
| Frequency (MHz) |                 |   |   | 3490.02 | 3500.01 | 3510    |
| 80              | DFT-s-OFDM QPSK | 1 | 1 | 26.56   | 26.52   | 26.40   |
| Channel         |                 |   |   | 632334  | 633334  | 634332  |
| Frequency (MHz) |                 |   |   | 3485.01 | 3500.01 | 3514.98 |
| 70              | DFT-s-OFDM QPSK | 1 | 1 | 26.55   | 26.44   | 26.02   |
| Channel         |                 |   |   | 632000  | 633334  | 634666  |
| Frequency (MHz) |                 |   |   | 3480    | 3500.01 | 3519.99 |
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 26.37   | 26.27   | 25.91   |
| Channel         |                 |   |   | 631668  | 633334  | 635000  |
| Frequency (MHz) |                 |   |   | 3475.02 | 3500.01 | 3525    |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 26.47   | 26.46   | 26.38   |
| Channel         |                 |   |   | 631334  | 633334  | 635332  |
| Frequency (MHz) |                 |   |   | 3470.01 | 3500.01 | 3529.98 |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 26.49   | 26.32   | 26.01   |
| Channel         |                 |   |   | 631000  | 633334  | 635666  |
| Frequency (MHz) |                 |   |   | 3465    | 3500.01 | 3534.99 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 26.51   | 26.40   | 25.83   |
| Channel         |                 |   |   | 630668  | 633334  | 636000  |
| Frequency (MHz) |                 |   |   | 3460.02 | 3500.01 | 3540    |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 26.47   | 26.32   | 25.64   |
| Channel         |                 |   |   | 630500  | 633334  | 636166  |
| Frequency (MHz) |                 |   |   | 3457.5  | 3500.01 | 3542.49 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 26.46   | 26.32   | 25.59   |
| Channel         |                 |   |   | 630334  | 633334  | 636332  |
| Frequency (MHz) |                 |   |   | 3455.01 | 3500.01 | 3544.98 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 26.47   | 26.28   | 25.72   |



Effective Radiated Power and Effective Isotropic Radiated Power:

| n2 (PC3) (ANT5) |                      |           |            |                  |                   |                     |                      |                   |                    |
|-----------------|----------------------|-----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]       | Modulation           | R B Si ze | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel         |                      |           |            | 372000           | 372000            | 376000              | 376000               | 380000            | 380000             |
| Frequency (MHz) |                      |           |            | 1860.00          | 1860.00           | 1880.00             | 1880.00              | 1900.00           | 1900.00            |
| 20              | DFT-s-OFDM PI/2 BPSK | 1         | 1          | 23.99            | 0.251             | 23.99               | 0.251                | 23.87             | 0.244              |
| 20              |                      | 1         | 53         | 24.00            | 0.251             | 23.95               | 0.248                | 23.85             | 0.243              |
| 20              |                      | 1         | 104        | 23.93            | 0.247             | 23.88               | 0.244                | 23.92             | 0.247              |
| 20              |                      | 50        | 1          | 23.41            | 0.219             | 23.40               | 0.219                | 23.23             | 0.210              |
| 20              |                      | 50        | 25         | 23.97            | 0.249             | 23.99               | 0.251                | 23.94             | 0.248              |
| 20              |                      | 50        | 50         | 23.36            | 0.217             | 23.18               | 0.208                | 23.28             | 0.213              |
| 20              |                      | 100       | 0          | 23.48            | 0.223             | 23.36               | 0.217                | 23.34             | 0.216              |
| 20              | DFT-s-OFDM QPSK      | 1         | 1          | 24.00            | 0.251             | 24.05               | 0.254                | 23.98             | 0.250              |
| 20              |                      | 1         | 53         | 23.97            | 0.249             | 23.94               | 0.248                | 23.86             | 0.243              |
| 20              |                      | 1         | 104        | 23.91            | 0.246             | 23.83               | 0.242                | 23.81             | 0.240              |
| 20              |                      | 50        | 1          | 23.11            | 0.205             | 23.17               | 0.207                | 23.00             | 0.200              |
| 20              |                      | 50        | 25         | 23.98            | 0.250             | 24.00               | 0.251                | 23.96             | 0.249              |
| 20              |                      | 50        | 50         | 23.18            | 0.208             | 23.23               | 0.210                | 23.14             | 0.206              |
| 20              |                      | 100       | 0          | 23.81            | 0.240             | 23.89               | 0.245                | 23.87             | 0.244              |
| 20              | DFT-s-OFDM 16QAM     | 1         | 1          | 22.80            | 0.191             | 22.81               | 0.191                | 22.62             | 0.183              |
| 20              | DFT-s-OFDM 64QAM     | 1         | 1          | 21.29            | 0.135             | 21.33               | 0.136                | 21.14             | 0.130              |
| 20              | DFT-s-OFDM 256QAM    | 1         | 1          | 19.02            | 0.080             | 19.05               | 0.080                | 18.83             | 0.076              |
| 20              | CP-OFDM QPSK         | 1         | 1          | 22.63            | 0.183             | 22.68               | 0.185                | 22.46             | 0.176              |
| 20              | CP-OFDM 16QAM        | 1         | 1          | 21.95            | 0.157             | 22.01               | 0.159                | 21.84             | 0.153              |
| 20              | CP-OFDM 64QAM        | 1         | 1          | 20.04            | 0.101             | 19.99               | 0.100                | 19.84             | 0.096              |
| 20              | CP-OFDM 256QAM       | 1         | 1          | 16.94            | 0.049             | 16.97               | 0.050                | 16.85             | 0.048              |
| Channel         |                      |           |            | 371500           | 371500            | 376000              | 376000               | 380500            | 380500             |
| Frequency (MHz) |                      |           |            | 1857.50          | 1857.50           | 1880.00             | 1880.00              | 1902.50           | 1902.50            |
| 15              | DFT-s-OFDM QPSK      | 1         | 1          | 23.99            | 0.251             | 23.94               | 0.248                | 23.85             | 0.243              |
| Channel         |                      |           |            | 371000           | 371000            | 376000              | 376000               | 381000            | 381000             |
| Frequency (MHz) |                      |           |            | 1855.00          | 1855.00           | 1880.00             | 1880.00              | 1905.00           | 1905.00            |
| 10              | DFT-s-OFDM QPSK      | 1         | 1          | 23.95            | 0.248             | 23.98               | 0.250                | 23.81             | 0.240              |



|                 |                 |   |   |         |         |         |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| Channel         |                 |   |   | 370500  | 370500  | 376000  | 376000  | 381500  | 381500  |
| Frequency (MHz) |                 |   |   | 1852.50 | 1852.50 | 1880.00 | 1880.00 | 1907.50 | 1907.50 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 23.96   | 0.249   | 23.83   | 0.242   | 23.66   | 0.232   |

| n5 (PC3) (ANT1) |                      |           |            |                  |                   |                     |                      |                   |                    |
|-----------------|----------------------|-----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]       | Modulation           | R B Si ze | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel         |                      |           |            | 166800           | 166800            | 167300              | 167300               | 167800            | 167800             |
| Frequency (MHz) |                      |           |            | 834.00           | 834.00            | 836.50              | 836.50               | 839.00            | 839.00             |
| 20              | DFT-s-OFDM PI/2 BPSK | 1         | 1          | 15.70            | 0.037             | 15.69               | 0.037                | 15.73             | 0.037              |
| 20              |                      | 1         | 53         | 15.74            | 0.037             | 15.69               | 0.037                | 15.71             | 0.037              |
| 20              |                      | 1         | 104        | 15.70            | 0.037             | 15.68               | 0.037                | 15.72             | 0.037              |
| 20              |                      | 50        | 1          | 15.11            | 0.032             | 15.09               | 0.032                | 15.12             | 0.033              |
| 20              |                      | 50        | 25         | 15.76            | 0.038             | 15.76               | 0.038                | 15.73             | 0.037              |
| 20              |                      | 50        | 50         | 15.10            | 0.032             | 15.12               | 0.033                | 15.08             | 0.032              |
| 20              |                      | 100       | 0          | 15.30            | 0.034             | 15.26               | 0.034                | 15.17             | 0.033              |
| 20              | DFT-s-OFDM QPSK      | 1         | 1          | 15.73            | 0.037             | 15.79               | 0.038                | 15.78             | 0.038              |
| 20              |                      | 1         | 53         | 15.72            | 0.037             | 15.72               | 0.037                | 15.77             | 0.038              |
| 20              |                      | 1         | 104        | 15.71            | 0.037             | 15.73               | 0.037                | 15.69             | 0.037              |
| 20              |                      | 50        | 1          | 15.16            | 0.033             | 15.11               | 0.032                | 15.16             | 0.033              |
| 20              |                      | 50        | 25         | 15.75            | 0.038             | 15.77               | 0.038                | 15.72             | 0.037              |
| 20              |                      | 50        | 50         | 15.15            | 0.033             | 15.16               | 0.033                | 15.10             | 0.032              |
| 20              |                      | 100       | 0          | 15.59            | 0.036             | 15.62               | 0.036                | 15.57             | 0.036              |
| 20              | DFT-s-OFDM 16QAM     | 1         | 1          | 14.57            | 0.029             | 14.61               | 0.029                | 14.60             | 0.029              |
| 20              | DFT-s-OFDM 64QAM     | 1         | 1          | 13.08            | 0.020             | 13.00               | 0.020                | 13.04             | 0.020              |
| 20              | DFT-s-OFDM 256QAM    | 1         | 1          | 10.67            | 0.012             | 10.67               | 0.012                | 10.74             | 0.012              |
| 20              | CP-OFDM QPSK         | 1         | 1          | 14.37            | 0.027             | 14.41               | 0.028                | 14.41             | 0.028              |
| 20              | CP-OFDM 16QAM        | 1         | 1          | 13.66            | 0.023             | 13.68               | 0.023                | 13.62             | 0.023              |
| 20              | CP-OFDM 64QAM        | 1         | 1          | 11.78            | 0.015             | 11.78               | 0.015                | 11.68             | 0.015              |
| 20              | CP-OFDM 256QAM       | 1         | 1          | 8.71             | 0.007             | 8.68                | 0.007                | 8.66              | 0.007              |
| Channel         |                      |           |            | 166300           | 166300            | 167300              | 167300               | 168300            | 168300             |
| Frequency (MHz) |                      |           |            | 831.50           | 831.50            | 836.50              | 836.50               | 841.50            | 841.50             |
| 15              | DFT-s-OFDM QPSK      | 1         | 1          | 15.76            | 0.038             | 15.77               | 0.038                | 15.76             | 0.038              |



|                 |                 |   |   |        |        |        |        |        |        |
|-----------------|-----------------|---|---|--------|--------|--------|--------|--------|--------|
| Channel         |                 |   |   | 165800 | 165800 | 167300 | 167300 | 168800 | 168800 |
| Frequency (MHz) |                 |   |   | 829.00 | 829.00 | 836.50 | 836.50 | 844.00 | 844.00 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 15.75  | 0.038  | 15.72  | 0.037  | 15.65  | 0.037  |
| Channel         |                 |   |   | 165300 | 165300 | 167300 | 167300 | 169300 | 169300 |
| Frequency (MHz) |                 |   |   | 826.50 | 826.50 | 836.50 | 836.50 | 846.50 | 846.50 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 15.69  | 0.037  | 15.60  | 0.036  | 15.56  | 0.036  |

| n7(ANT5)        |                      |           |            |                  |                   |                     |                      |                   |                    |
|-----------------|----------------------|-----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]       | Modulation           | R B Si ze | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel         |                      |           |            | 504000           | 504000            | 507000              | 507000               | 510000            | 510000             |
| Frequency (MHz) |                      |           |            | 2520.00          | 2520.00           | 2535.00             | 2535.00              | 2550.00           | 2550.00            |
| 40              | DFT-s-OFDM PI/2 BPSK | 1         | 1          | 24.80            | 0.302             | 24.82               | 0.303                | 24.71             | 0.296              |
| 40              |                      | 1         | 80         | 24.55            | 0.285             | 24.67               | 0.293                | 24.67             | 0.293              |
| 40              |                      | 1         | 158        | 24.75            | 0.299             | 24.78               | 0.301                | 24.75             | 0.299              |
| 40              |                      | 80        | 1          | 24.01            | 0.252             | 24.17               | 0.261                | 24.11             | 0.258              |
| 40              |                      | 80        | 40         | 24.65            | 0.292             | 24.78               | 0.301                | 24.71             | 0.296              |
| 40              |                      | 80        | 80         | 24.12            | 0.258             | 24.11               | 0.258                | 24.12             | 0.258              |
| 40              |                      | 160       | 0          | 24.14            | 0.259             | 24.24               | 0.265                | 24.23             | 0.265              |
| 40              | DFT-s-OFDM QPSK      | 1         | 1          | 24.72            | 0.296             | 24.84               | 0.305                | 24.79             | 0.301              |
| 40              |                      | 1         | 80         | 24.60            | 0.288             | 24.73               | 0.297                | 24.62             | 0.290              |
| 40              |                      | 1         | 158        | 24.75            | 0.299             | 24.74               | 0.298                | 24.78             | 0.301              |
| 40              |                      | 80        | 1          | 23.93            | 0.247             | 24.00               | 0.251                | 24.05             | 0.254              |
| 40              |                      | 80        | 40         | 24.63            | 0.290             | 24.73               | 0.297                | 24.70             | 0.295              |
| 40              |                      | 80        | 80         | 24.07            | 0.255             | 24.16               | 0.261                | 24.17             | 0.261              |
| 40              |                      | 160       | 0          | 24.60            | 0.288             | 24.67               | 0.293                | 24.61             | 0.289              |
| 40              | DFT-s-OFDM 16QAM     | 1         | 1          | 23.45            | 0.221             | 23.52               | 0.225                | 23.67             | 0.233              |
| 40              | DFT-s-OFDM 64QAM     | 1         | 1          | 21.80            | 0.151             | 21.94               | 0.156                | 22.02             | 0.159              |
| 40              | DFT-s-OFDM 256QAM    | 1         | 1          | 19.49            | 0.089             | 19.58               | 0.091                | 19.70             | 0.093              |
| 40              | CP-OFDM QPSK         | 1         | 1          | 17.71            | 0.059             | 17.75               | 0.060                | 17.82             | 0.061              |
| 40              | CP-OFDM 16QAM        | 1         | 1          | 22.47            | 0.177             | 22.65               | 0.184                | 22.63             | 0.183              |
| 40              | CP-OFDM 64QAM        | 1         | 1          | 20.52            | 0.113             | 20.65               | 0.116                | 20.74             | 0.119              |
| 40              | CP-OFDM 256QAM       | 1         | 1          | 17.58            | 0.057             | 17.67               | 0.058                | 17.70             | 0.059              |



|                 |                 |   |   |         |         |         |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| Channel         |                 |   |   | 503000  | 503000  | 507000  | 507000  | 511000  | 511000  |
| Frequency (MHz) |                 |   |   | 2515.00 | 2515.00 | 2535.00 | 2535.00 | 2555.00 | 2555.00 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 24.55   | 0.285   | 24.70   | 0.295   | 24.79   | 0.301   |
| Channel         |                 |   |   | 502500  | 502500  | 507000  | 507000  | 511500  | 511500  |
| Frequency (MHz) |                 |   |   | 2512.50 | 2512.50 | 2535.00 | 2535.00 | 2557.50 | 2557.50 |
| 25              | DFT-s-OFDM QPSK | 1 | 1 | 24.62   | 0.290   | 24.76   | 0.299   | 24.76   | 0.299   |
| Channel         |                 |   |   | 502000  | 502000  | 507000  | 507000  | 512000  | 512000  |
| Frequency (MHz) |                 |   |   | 2510.00 | 2510.00 | 2535.00 | 2535.00 | 2560.00 | 2560.00 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 24.50   | 0.282   | 24.67   | 0.293   | 24.78   | 0.301   |
| Channel         |                 |   |   | 501500  | 501500  | 507000  | 507000  | 512500  | 512500  |
| Frequency (MHz) |                 |   |   | 2507.50 | 2507.50 | 2535.00 | 2535.00 | 2562.50 | 2562.50 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 24.53   | 0.284   | 24.74   | 0.298   | 24.68   | 0.294   |
| Channel         |                 |   |   | 501000  | 501000  | 507000  | 507000  | 513000  | 513000  |
| Frequency (MHz) |                 |   |   | 2505.00 | 2505.00 | 2535.00 | 2535.00 | 2565.00 | 2565.00 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 24.59   | 0.288   | 24.75   | 0.299   | 24.76   | 0.299   |
| Channel         |                 |   |   | 500500  | 500500  | 507000  | 507000  | 513500  | 513500  |
| Frequency (MHz) |                 |   |   | 2502.50 | 2502.50 | 2535.00 | 2535.00 | 2567.50 | 2567.50 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 24.45   | 0.279   | 24.67   | 0.293   | 24.78   | 0.301   |

| n12 (PC3) (ANT1) |                      |          |            |                  |                   |                     |                      |                   |                    |
|------------------|----------------------|----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]        | Modulation           | R B Size | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel          |                      |          |            | 141300           | 141300            | 141500              | 141500               | 141700            | 141700             |
| Frequency (MHz)  |                      |          |            | 706.50           | 706.50            | 707.50              | 707.50               | 708.50            | 708.50             |
| 15               | DFT-s-OFDM PI/2 BPSK | 1        | 1          | 14.08            | 0.026             | 14.03               | 0.025                | 14.06             | 0.025              |
| 15               |                      | 1        | 53         | 14.03            | 0.025             | 14.01               | 0.025                | 14.03             | 0.025              |
| 15               |                      | 1        | 104        | 14.06            | 0.025             | 14.04               | 0.025                | 14.00             | 0.025              |
| 15               |                      | 50       | 1          | 13.39            | 0.022             | 13.39               | 0.022                | 13.37             | 0.022              |
| 15               |                      | 50       | 25         | 14.11            | 0.026             | 14.13               | 0.026                | 14.10             | 0.026              |
| 15               |                      | 50       | 50         | 13.38            | 0.022             | 13.46               | 0.022                | 13.38             | 0.022              |
| 15               |                      | 100      | 0          | 13.47            | 0.022             | 13.45               | 0.022                | 13.44             | 0.022              |
| 15               | DFT-s-OFDM QPSK      | 1        | 1          | 13.84            | 0.024             | 14.05               | 0.025                | 13.90             | 0.025              |
| 15               |                      | 1        | 53         | 14.07            | 0.026             | 14.19               | 0.026                | 14.09             | 0.026              |
| 15               |                      | 1        | 104        | 14.04            | 0.025             | 14.03               | 0.025                | 14.01             | 0.025              |
| 15               |                      | 50       | 1          | 13.44            | 0.022             | 13.44               | 0.022                | 13.38             | 0.022              |
| 15               |                      | 50       | 25         | 14.14            | 0.026             | 14.16               | 0.026                | 14.12             | 0.026              |



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|                 |                   |     |    |        |        |        |        |        |        |
|-----------------|-------------------|-----|----|--------|--------|--------|--------|--------|--------|
| 15              |                   | 50  | 50 | 13.51  | 0.022  | 13.59  | 0.023  | 13.47  | 0.022  |
| 15              |                   | 100 | 0  | 14.09  | 0.026  | 14.09  | 0.026  | 14.04  | 0.025  |
| 15              | DFT-s-OFDM 16QAM  | 1   | 1  | 12.97  | 0.020  | 12.94  | 0.020  | 13.01  | 0.020  |
| 15              | DFT-s-OFDM 64QAM  | 1   | 1  | 11.15  | 0.013  | 11.25  | 0.013  | 11.21  | 0.013  |
| 15              | DFT-s-OFDM 256QAM | 1   | 1  | 9.00   | 0.008  | 8.97   | 0.008  | 8.98   | 0.008  |
| 15              | CP-OFDM QPSK      | 1   | 1  | 12.60  | 0.018  | 12.63  | 0.018  | 12.63  | 0.018  |
| 15              | CP-OFDM 16QAM     | 1   | 1  | 12.01  | 0.016  | 12.04  | 0.016  | 11.99  | 0.016  |
| 15              | CP-OFDM 64QAM     | 1   | 1  | 9.95   | 0.010  | 9.93   | 0.010  | 9.95   | 0.010  |
| 15              | CP-OFDM 256QAM    | 1   | 1  | 7.10   | 0.005  | 7.07   | 0.005  | 7.09   | 0.005  |
| Channel         |                   |     |    | 140800 | 140800 | 141500 | 141500 | 142200 | 142200 |
| Frequency (MHz) |                   |     |    | 704.00 | 704.00 | 707.50 | 707.50 | 711.00 | 711.00 |
| 10              | DFT-s-OFDM QPSK   | 1   | 1  | 14.06  | 0.025  | 14.00  | 0.025  | 13.93  | 0.025  |
| Channel         |                   |     |    | 140300 | 140300 | 141500 | 141500 | 142700 | 142700 |
| Frequency (MHz) |                   |     |    | 701.50 | 701.50 | 707.50 | 707.50 | 713.50 | 713.50 |
| 5               | DFT-s-OFDM QPSK   | 1   | 1  | 13.98  | 0.025  | 13.93  | 0.025  | 13.92  | 0.025  |

| n25(ANT5)       |                      |         |           |                  |                   |                     |                      |                   |                    |
|-----------------|----------------------|---------|-----------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [MHz]        | Modulation           | RB Size | RB Offset | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel         |                      |         |           | 374000           | 374000            | 376500              | 376500               | 379000            | 379000             |
| Frequency (MHz) |                      |         |           | 1870.00          | 1870.00           | 1882.50             | 1882.50              | 1895.00           | 1895.00            |
| 40              | DFT-s-OFDM PI/2 BPSK | 1       | 1         | 24.02            | 0.252             | 24.01               | 0.252                | 23.99             | 0.251              |
| 40              |                      | 1       | 80        | 23.88            | 0.244             | 23.75               | 0.237                | 23.72             | 0.236              |
| 40              |                      | 1       | 158       | 23.81            | 0.240             | 23.84               | 0.242                | 24.02             | 0.252              |
| 40              |                      | 80      | 1         | 23.37            | 0.217             | 23.28               | 0.213                | 23.25             | 0.211              |
| 40              |                      | 80      | 40        | 23.90            | 0.245             | 23.79               | 0.239                | 23.78             | 0.239              |
| 40              |                      | 80      | 80        | 23.22            | 0.210             | 23.16               | 0.207                | 23.21             | 0.209              |
| 40              |                      | 160     | 0         | 23.43            | 0.220             | 23.32               | 0.215                | 23.33             | 0.215              |
| 40              | DFT-s-OFDM QPSK      | 1       | 1         | 24.06            | 0.255             | 24.01               | 0.252                | 23.96             | 0.249              |
| 40              |                      | 1       | 80        | 23.83            | 0.242             | 23.70               | 0.234                | 23.65             | 0.232              |
| 40              |                      | 1       | 158       | 23.81            | 0.240             | 23.84               | 0.242                | 23.48             | 0.223              |
| 40              |                      | 80      | 1         | 23.18            | 0.208             | 23.10               | 0.204                | 23.01             | 0.200              |
| 40              |                      | 80      | 40        | 23.99            | 0.251             | 23.91               | 0.246                | 23.93             | 0.247              |



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|                 |                      |     |    |         |         |         |         |         |         |
|-----------------|----------------------|-----|----|---------|---------|---------|---------|---------|---------|
| 40              |                      | 80  | 80 | 23.15   | 0.207   | 23.13   | 0.206   | 23.05   | 0.202   |
| 40              |                      | 160 | 0  | 23.97   | 0.249   | 23.83   | 0.242   | 23.87   | 0.244   |
| 40              | DFT-s-OFDM<br>16QAM  | 1   | 1  | 22.84   | 0.192   | 22.84   | 0.192   | 22.76   | 0.189   |
| 40              | DFT-s-OFDM<br>64QAM  | 1   | 1  | 21.25   | 0.133   | 21.18   | 0.131   | 21.13   | 0.130   |
| 40              | DFT-s-OFDM<br>256QAM | 1   | 1  | 18.95   | 0.079   | 18.94   | 0.078   | 18.89   | 0.077   |
| 40              | CP-OFDM<br>QPSK      | 1   | 1  | 22.63   | 0.183   | 22.64   | 0.184   | 22.59   | 0.182   |
| 40              | CP-OFDM<br>16QAM     | 1   | 1  | 21.95   | 0.157   | 21.96   | 0.157   | 21.90   | 0.155   |
| 40              | CP-OFDM<br>64QAM     | 1   | 1  | 20.02   | 0.100   | 19.99   | 0.100   | 19.94   | 0.099   |
| 40              | CP-OFDM<br>256QAM    | 1   | 1  | 16.96   | 0.050   | 16.98   | 0.050   | 16.94   | 0.049   |
| Channel         |                      |     |    | 373000  | 373000  | 376500  | 376500  | 380000  | 380000  |
| Frequency (MHz) |                      |     |    | 1865.00 | 1865.00 | 1882.50 | 1882.50 | 1900.00 | 1900.00 |
| 30              | DFT-s-OFDM<br>QPSK   | 1   | 1  | 24.01   | 0.252   | 23.90   | 0.245   | 23.77   | 0.238   |
| Channel         |                      |     |    | 372500  | 372500  | 376500  | 376500  | 380500  | 380500  |
| Frequency (MHz) |                      |     |    | 1862.50 | 1862.50 | 1882.50 | 1882.50 | 1902.50 | 1902.50 |
| 25              | DFT-s-OFDM<br>QPSK   | 1   | 1  | 24.01   | 0.252   | 24.05   | 0.254   | 23.89   | 0.245   |
| Channel         |                      |     |    | 372000  | 372000  | 376500  | 376500  | 381000  | 381000  |
| Frequency (MHz) |                      |     |    | 1860.00 | 1860.00 | 1882.50 | 1882.50 | 1905.00 | 1905.00 |
| 20              | DFT-s-OFDM<br>QPSK   | 1   | 1  | 23.98   | 0.250   | 23.89   | 0.245   | 23.75   | 0.237   |
| Channel         |                      |     |    | 371500  | 371500  | 376500  | 376500  | 381500  | 381500  |
| Frequency (MHz) |                      |     |    | 1857.50 | 1857.50 | 1882.50 | 1882.50 | 1907.50 | 1907.50 |
| 15              | DFT-s-OFDM<br>QPSK   | 1   | 1  | 24.03   | 0.253   | 23.92   | 0.247   | 23.82   | 0.241   |
| Channel         |                      |     |    | 371000  | 371000  | 376500  | 376500  | 382000  | 382000  |
| Frequency (MHz) |                      |     |    | 1855.00 | 1855.00 | 1882.50 | 1882.50 | 1910.00 | 1910.00 |
| 10              | DFT-s-OFDM<br>QPSK   | 1   | 1  | 24.04   | 0.254   | 23.83   | 0.242   | 23.74   | 0.237   |
| Channel         |                      |     |    | 370500  | 370500  | 376500  | 376500  | 382500  | 382500  |
| Frequency (MHz) |                      |     |    | 1852.50 | 1852.50 | 1882.50 | 1882.50 | 1912.50 | 1912.50 |
| 5               | DFT-s-OFDM<br>QPSK   | 1   | 1  | 23.85   | 0.243   | 23.71   | 0.235   | 23.66   | 0.232   |

| n26(814-824MHz)(ANT1) |            |            |              |                        |                         |                           |                            |                         |                          |
|-----------------------|------------|------------|--------------|------------------------|-------------------------|---------------------------|----------------------------|-------------------------|--------------------------|
| BW<br>[MHz]           | Modulation | RB<br>Size | RB<br>Offset | Low<br>Channel<br>/dBm | Low<br>Channel<br>/Watt | Middle<br>Channel<br>/dBm | Middle<br>Channel<br>/Watt | High<br>Channel<br>/dBm | High<br>Channel<br>/Watt |



| Channel         |                         |         |     |        |        | 163800 | 163800 |        |        |
|-----------------|-------------------------|---------|-----|--------|--------|--------|--------|--------|--------|
| Frequency (MHz) |                         |         |     |        |        | 819.00 | 819.00 |        |        |
| 10              | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1   | /      | /      | 15.85  | 0.038  | /      | /      |
| 10              |                         | 1       | 53  | /      | /      | 15.84  | 0.038  | /      | /      |
| 10              |                         | 1       | 104 | /      | /      | 15.81  | 0.038  | /      | /      |
| 10              |                         | 50      | 1   | /      | /      | 15.26  | 0.034  | /      | /      |
| 10              |                         | 50      | 25  | /      | /      | 15.89  | 0.039  | /      | /      |
| 10              |                         | 50      | 50  | /      | /      | 15.29  | 0.034  | /      | /      |
| 10              |                         | 10<br>0 | 0   | /      | /      | 15.28  | 0.034  | /      | /      |
| 10              | DFT-s-OFDM<br>QPSK      | 1       | 1   | /      | /      | 15.39  | 0.035  | /      | /      |
| 10              |                         | 1       | 53  | /      | /      | 15.91  | 0.039  | /      | /      |
| 10              |                         | 1       | 104 | /      | /      | 15.88  | 0.039  | /      | /      |
| 10              |                         | 50      | 1   | /      | /      | 15.10  | 0.032  | /      | /      |
| 10              |                         | 50      | 25  | /      | /      | 15.90  | 0.039  | /      | /      |
| 10              |                         | 50      | 50  | /      | /      | 15.09  | 0.032  | /      | /      |
| 10              |                         | 10<br>0 | 0   | /      | /      | 15.80  | 0.038  | /      | /      |
| 10              | DFT-s-OFDM<br>16QAM     | 1       | 1   | /      | /      | 14.78  | 0.030  | /      | /      |
| 10              | DFT-s-OFDM<br>64QAM     | 1       | 1   | /      | /      | 13.08  | 0.020  | /      | /      |
| 10              | DFT-s-OFDM<br>256QAM    | 1       | 1   | /      | /      | 10.82  | 0.012  | /      | /      |
| 10              | CP-OFDM<br>QPSK         | 1       | 1   | /      | /      | 14.49  | 0.028  | /      | /      |
| 10              | CP-OFDM<br>16QAM        | 1       | 1   | /      | /      | 13.81  | 0.024  | /      | /      |
| 10              | CP-OFDM<br>64QAM        | 1       | 1   | /      | /      | 11.84  | 0.015  | /      | /      |
| 10              | CP-OFDM<br>256QAM       | 1       | 1   | /      | /      | 8.88   | 0.008  | /      | /      |
| Channel         |                         |         |     | 163300 | 163300 | 163800 | 163800 | 164300 | 164300 |
| Frequency (MHz) |                         |         |     | 816.50 | 816.50 | 819.00 | 819.00 | 821.50 | 821.50 |
| 5               | DFT-s-OFDM<br>QPSK      | 1       | 1   | 15.72  | 0.037  | 15.71  | 0.037  | 15.75  | 0.038  |

| n26(824-849MHz)(ANT1) |            |                    |                  |                        |                         |                           |                            |                         |                          |
|-----------------------|------------|--------------------|------------------|------------------------|-------------------------|---------------------------|----------------------------|-------------------------|--------------------------|
| BW<br>[M<br>Hz]       | Modulation | R<br>B<br>Si<br>ze | RB<br>Off<br>set | Low<br>Channel<br>/dBm | Low<br>Channel<br>/Watt | Middle<br>Channel<br>/dBm | Middle<br>Channel<br>/Watt | High<br>Channel<br>/dBm | High<br>Channel<br>/Watt |
| Channel               |            |                    |                  | 166800                 | 166800                  | 167300                    | 167300                     | 167800                  | 167800                   |
| Frequency (MHz)       |            |                    |                  | 834.00                 | 834.00                  | 836.50                    | 836.50                     | 839.00                  | 839.00                   |
| 20                    | DFT-s-OFDM | 1                  | 1                | 15.81                  | 0.038                   | 15.81                     | 0.038                      | 15.85                   | 0.038                    |
| 20                    | PI/2 BPSK  | 1                  | 53               | 15.80                  | 0.038                   | 15.84                     | 0.038                      | 15.77                   | 0.038                    |



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|                 |                   |     |     |        |        |        |        |        |        |
|-----------------|-------------------|-----|-----|--------|--------|--------|--------|--------|--------|
| 20              |                   | 1   | 104 | 15.81  | 0.038  | 15.76  | 0.038  | 15.75  | 0.038  |
| 20              |                   | 50  | 1   | 15.22  | 0.033  | 15.19  | 0.033  | 15.24  | 0.033  |
| 20              |                   | 50  | 25  | 15.86  | 0.039  | 15.85  | 0.038  | 15.80  | 0.038  |
| 20              |                   | 50  | 50  | 15.16  | 0.033  | 15.14  | 0.033  | 15.25  | 0.033  |
| 20              |                   | 100 | 0   | 15.37  | 0.034  | 15.35  | 0.034  | 15.29  | 0.034  |
| 20              | DFT-s-OFDM QPSK   | 1   | 1   | 15.90  | 0.039  | 15.87  | 0.039  | 15.85  | 0.038  |
| 20              |                   | 1   | 53  | 15.78  | 0.038  | 15.76  | 0.038  | 15.82  | 0.038  |
| 20              |                   | 1   | 104 | 15.80  | 0.038  | 15.79  | 0.038  | 15.72  | 0.037  |
| 20              |                   | 50  | 1   | 15.12  | 0.033  | 15.12  | 0.033  | 15.16  | 0.033  |
| 20              |                   | 50  | 25  | 15.86  | 0.039  | 15.80  | 0.038  | 15.80  | 0.038  |
| 20              |                   | 50  | 50  | 15.09  | 0.032  | 15.05  | 0.032  | 15.12  | 0.033  |
| 20              |                   | 100 | 0   | 15.80  | 0.038  | 15.75  | 0.038  | 15.73  | 0.037  |
| 20              | DFT-s-OFDM 16QAM  | 1   | 1   | 14.86  | 0.031  | 14.64  | 0.029  | 14.64  | 0.029  |
| 20              | DFT-s-OFDM 64QAM  | 1   | 1   | 13.12  | 0.021  | 12.98  | 0.020  | 13.06  | 0.020  |
| 20              | DFT-s-OFDM 256QAM | 1   | 1   | 10.70  | 0.012  | 10.74  | 0.012  | 10.82  | 0.012  |
| 20              | CP-OFDM QPSK      | 1   | 1   | 14.41  | 0.028  | 14.35  | 0.027  | 14.38  | 0.027  |
| 20              | CP-OFDM 16QAM     | 1   | 1   | 13.72  | 0.024  | 13.70  | 0.023  | 13.66  | 0.023  |
| 20              | CP-OFDM 64QAM     | 1   | 1   | 11.82  | 0.015  | 11.82  | 0.015  | 11.76  | 0.015  |
| 20              | CP-OFDM 256QAM    | 1   | 1   | 8.75   | 0.007  | 8.76   | 0.008  | 8.71   | 0.007  |
| Channel         |                   |     |     | 166300 | 166300 | 167300 | 167300 | 168300 | 168300 |
| Frequency (MHz) |                   |     |     | 831.50 | 831.50 | 836.50 | 836.50 | 841.50 | 841.50 |
| 15              | DFT-s-OFDM QPSK   | 1   | 1   | 15.85  | 0.038  | 15.84  | 0.038  | 15.80  | 0.038  |
| Channel         |                   |     |     | 165800 | 165800 | 167300 | 167300 | 168800 | 168800 |
| Frequency (MHz) |                   |     |     | 829.00 | 829.00 | 836.50 | 836.50 | 844.00 | 844.00 |
| 10              | DFT-s-OFDM QPSK   | 1   | 1   | 15.89  | 0.039  | 15.71  | 0.037  | 15.72  | 0.037  |
| Channel         |                   |     |     | 165300 | 165300 | 167300 | 167300 | 169300 | 169300 |
| Frequency (MHz) |                   |     |     | 826.50 | 826.50 | 836.50 | 836.50 | 846.50 | 846.50 |
| 5               | DFT-s-OFDM QPSK   | 1   | 1   | 15.78  | 0.038  | 15.61  | 0.036  | 15.61  | 0.036  |

| n30 (ANT4) |            |         |           |                  |                   |                     |                      |                   |                    |
|------------|------------|---------|-----------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [MHz]   | Modulation | RB Size | RB Offset | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |



| Channel         |                         |         |     |         |         | 462000  | 462000  |         |         |
|-----------------|-------------------------|---------|-----|---------|---------|---------|---------|---------|---------|
| Frequency (MHz) |                         |         |     |         |         | 2310.00 | 2310.00 |         |         |
| 10              | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1   | /       | /       | 19.90   | 0.098   | /       | /       |
| 10              |                         | 1       | 53  | /       | /       | 20.05   | 0.101   | /       | /       |
| 10              |                         | 1       | 104 | /       | /       | 20.01   | 0.100   | /       | /       |
| 10              |                         | 50      | 1   | /       | /       | 19.39   | 0.087   | /       | /       |
| 10              |                         | 50      | 25  | /       | /       | 20.06   | 0.101   | /       | /       |
| 10              |                         | 50      | 50  | /       | /       | 19.49   | 0.089   | /       | /       |
| 10              |                         | 10<br>0 | 0   | /       | /       | 19.79   | 0.095   | /       | /       |
| 10              | DFT-s-OFDM<br>QPSK      | 1       | 1   | /       | /       | 19.79   | 0.095   | /       | /       |
| 10              |                         | 1       | 53  | /       | /       | 20.08   | 0.102   | /       | /       |
| 10              |                         | 1       | 104 | /       | /       | 19.70   | 0.093   | /       | /       |
| 10              |                         | 50      | 1   | /       | /       | 19.27   | 0.085   | /       | /       |
| 10              |                         | 50      | 25  | /       | /       | 20.04   | 0.101   | /       | /       |
| 10              |                         | 50      | 50  | /       | /       | 19.45   | 0.088   | /       | /       |
| 10              |                         | 10<br>0 | 0   | /       | /       | 19.88   | 0.097   | /       | /       |
| 10              | DFT-s-OFDM<br>16QAM     | 1       | 1   | /       | /       | 18.81   | 0.076   | /       | /       |
| 10              | DFT-s-OFDM<br>64QAM     | 1       | 1   | /       | /       | 17.17   | 0.052   | /       | /       |
| 10              | DFT-s-OFDM<br>256QAM    | 1       | 1   | /       | /       | 15.02   | 0.032   | /       | /       |
| 10              | CP-OFDM<br>QPSK         | 1       | 1   | /       | /       | 18.43   | 0.070   | /       | /       |
| 10              | CP-OFDM<br>16QAM        | 1       | 1   | /       | /       | 17.82   | 0.061   | /       | /       |
| 10              | CP-OFDM<br>64QAM        | 1       | 1   | /       | /       | 15.97   | 0.040   | /       | /       |
| 10              | CP-OFDM<br>256QAM       | 1       | 1   | /       | /       | 12.98   | 0.020   | /       | /       |
| Channel         |                         |         |     | 461500  | 461500  | 462000  | 462000  | 462500  | 462500  |
| Frequency (MHz) |                         |         |     | 2307.50 | 2307.50 | 2310.00 | 2310.00 | 2312.50 | 2312.50 |
| 5               | DFT-s-OFDM<br>QPSK      | 1       | 1   | 19.66   | 0.092   | 19.94   | 0.099   | 19.95   | 0.099   |

| n38 (ANT5)      |            |                    |                  |                        |                         |                           |                            |                         |                          |
|-----------------|------------|--------------------|------------------|------------------------|-------------------------|---------------------------|----------------------------|-------------------------|--------------------------|
| BW<br>[M<br>Hz] | Modulation | R<br>B<br>Si<br>ze | RB<br>Off<br>set | Low<br>Channel<br>/dBm | Low<br>Channel<br>/Watt | Middle<br>Channel<br>/dBm | Middle<br>Channel<br>/Watt | High<br>Channel<br>/dBm | High<br>Channel<br>/Watt |
| Channel         |            |                    |                  | 518000                 | 518000                  | 519000                    | 519000                     | 520000                  | 520000                   |
| Frequency (MHz) |            |                    |                  | 2590.00                | 2590.00                 | 2595.00                   | 2595.00                    | 2600.00                 | 2600.00                  |
| 40              | DFT-s-OFDM | 1                  | 1                | 24.74                  | 0.298                   | 24.86                     | 0.306                      | 24.86                   | 0.306                    |
| 40              | PI/2 BPSK  | 1                  | 53               | 24.59                  | 0.288                   | 24.56                     | 0.286                      | 24.55                   | 0.285                    |



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|                 |                      |         |     |         |         |         |         |         |         |
|-----------------|----------------------|---------|-----|---------|---------|---------|---------|---------|---------|
| 40              |                      | 1       | 104 | 24.55   | 0.285   | 24.56   | 0.286   | 24.57   | 0.286   |
| 40              |                      | 50      | 1   | 24.23   | 0.265   | 24.23   | 0.265   | 24.21   | 0.264   |
| 40              |                      | 50      | 25  | 24.79   | 0.301   | 24.72   | 0.296   | 24.76   | 0.299   |
| 40              |                      | 50      | 50  | 24.07   | 0.255   | 24.06   | 0.255   | 24.06   | 0.255   |
| 40              |                      | 10<br>0 | 0   | 24.31   | 0.270   | 24.29   | 0.269   | 24.23   | 0.265   |
| 40              | DFT-s-OFDM<br>QPSK   | 1       | 1   | 24.85   | 0.305   | 24.89   | 0.308   | 24.92   | 0.310   |
| 40              |                      | 1       | 53  | 24.56   | 0.286   | 24.56   | 0.286   | 24.52   | 0.283   |
| 40              |                      | 1       | 104 | 24.56   | 0.286   | 24.54   | 0.284   | 24.55   | 0.285   |
| 40              |                      | 50      | 1   | 24.06   | 0.255   | 24.01   | 0.252   | 24.03   | 0.253   |
| 40              |                      | 50      | 25  | 24.78   | 0.301   | 24.74   | 0.298   | 24.81   | 0.303   |
| 40              |                      | 50      | 50  | 24.12   | 0.258   | 24.08   | 0.256   | 24.10   | 0.257   |
| 40              |                      | 10<br>0 | 0   | 24.63   | 0.290   | 24.60   | 0.288   | 24.67   | 0.293   |
| 40              | DFT-s-OFDM<br>16QAM  | 1       | 1   | 23.45   | 0.221   | 23.56   | 0.227   | 23.70   | 0.234   |
| 40              | DFT-s-OFDM<br>64QAM  | 1       | 1   | 22.06   | 0.161   | 22.09   | 0.162   | 22.19   | 0.166   |
| 40              | DFT-s-OFDM<br>256QAM | 1       | 1   | 19.89   | 0.097   | 19.89   | 0.097   | 20.01   | 0.100   |
| 40              | CP-OFDM<br>QPSK      | 1       | 1   | 23.36   | 0.217   | 23.43   | 0.220   | 23.42   | 0.220   |
| 40              | CP-OFDM<br>16QAM     | 1       | 1   | 22.74   | 0.188   | 22.84   | 0.192   | 22.83   | 0.192   |
| 40              | CP-OFDM<br>64QAM     | 1       | 1   | 20.72   | 0.118   | 20.85   | 0.122   | 20.89   | 0.123   |
| 40              | CP-OFDM<br>256QAM    | 1       | 1   | 17.88   | 0.061   | 17.93   | 0.062   | 17.77   | 0.060   |
| Channel         |                      |         |     | 517000  | 517000  | 519000  | 519000  | 521000  | 521000  |
| Frequency (MHz) |                      |         |     | 2585.00 | 2585.00 | 2595.00 | 2595.00 | 2605.00 | 2605.00 |
| 30              | DFT-s-OFDM<br>QPSK   | 1       | 1   | 24.80   | 0.302   | 24.90   | 0.309   | 24.85   | 0.305   |
| Channel         |                      |         |     | 516000  | 516000  | 519000  | 519000  | 522000  | 522000  |
| Frequency (MHz) |                      |         |     | 2580.00 | 2580.00 | 2595.00 | 2595.00 | 2610.00 | 2610.00 |
| 20              | DFT-s-OFDM<br>QPSK   | 1       | 1   | 24.69   | 0.294   | 24.81   | 0.303   | 24.75   | 0.299   |
| Channel         |                      |         |     | 515500  | 515500  | 519000  | 519000  | 522500  | 522500  |
| Frequency (MHz) |                      |         |     | 2577.50 | 2577.50 | 2595.00 | 2595.00 | 2612.50 | 2612.50 |
| 15              | DFT-s-OFDM<br>QPSK   | 1       | 1   | 24.71   | 0.296   | 24.71   | 0.296   | 24.68   | 0.294   |
| Channel         |                      |         |     | 515000  | 515000  | 519000  | 519000  | 523000  | 523000  |
| Frequency (MHz) |                      |         |     | 2575.00 | 2575.00 | 2595.00 | 2595.00 | 2615.00 | 2615.00 |
| 10              | DFT-s-OFDM<br>QPSK   | 1       | 1   | 24.74   | 0.298   | 24.74   | 0.298   | 24.69   | 0.294   |



| n41(ANT5)       |                         |                    |                  |                        |                         |                           |                            |                         |                          |
|-----------------|-------------------------|--------------------|------------------|------------------------|-------------------------|---------------------------|----------------------------|-------------------------|--------------------------|
| BW<br>[M<br>Hz] | Modulation              | R<br>B<br>Si<br>ze | RB<br>Off<br>set | Low<br>Channel<br>/dBm | Low<br>Channel<br>/Watt | Middle<br>Channel<br>/dBm | Middle<br>Channel<br>/Watt | High<br>Channel<br>/dBm | High<br>Channel<br>/Watt |
| Channel         |                         |                    |                  | 509202                 | 509202                  | 518598                    | 518598                     | 528000                  | 528000                   |
| Frequency (MHz) |                         |                    |                  | 2546.01                | 2546.01                 | 2592.99                   | 2592.99                    | 2640                    | 2640                     |
| 10<br>0         | DFT-s-OFDM<br>PI/2 BPSK | 1                  | 1                | 26.56                  | 0.453                   | 26.74                     | 0.472                      | 26.89                   | 0.489                    |
| 10<br>0         |                         | 1                  | 136              | 26.72                  | 0.470                   | 26.87                     | 0.486                      | 26.80                   | 0.479                    |
| 10<br>0         |                         | 1                  | 271              | 26.96                  | 0.497                   | 26.93                     | 0.493                      | 26.73                   | 0.471                    |
| 10<br>0         |                         | 13<br>5            | 1                | 25.98                  | 0.396                   | 26.02                     | 0.400                      | 26.10                   | 0.407                    |
| 10<br>0         |                         | 13<br>5            | 67               | 26.74                  | 0.472                   | 26.98                     | 0.499                      | 26.80                   | 0.479                    |
| 10<br>0         |                         | 13<br>5            | 136              | 26.04                  | 0.402                   | 26.10                     | 0.407                      | 26.00                   | 0.398                    |
| 10<br>0         |                         | 27<br>0            | 0                | 25.92                  | 0.391                   | 26.14                     | 0.411                      | 26.05                   | 0.403                    |
| 10<br>0         | DFT-s-OFDM<br>QPSK      | 1                  | 1                | 26.55                  | 0.452                   | 26.66                     | 0.463                      | 26.92                   | 0.492                    |
| 10<br>0         |                         | 1                  | 136              | 26.83                  | 0.482                   | 26.99                     | 0.500                      | 26.92                   | 0.492                    |
| 10<br>0         |                         | 1                  | 271              | 26.95                  | 0.495                   | 26.92                     | 0.492                      | 26.09                   | 0.406                    |
| 10<br>0         |                         | 13<br>5            | 1                | 25.98                  | 0.396                   | 26.04                     | 0.402                      | 26.11                   | 0.408                    |
| 10<br>0         |                         | 13<br>5            | 67               | 26.61                  | 0.458                   | 26.82                     | 0.481                      | 26.71                   | 0.469                    |
| 10<br>0         |                         | 13<br>5            | 136              | 26.04                  | 0.402                   | 26.08                     | 0.406                      | 25.94                   | 0.393                    |
| 10<br>0         |                         | 27<br>0            | 0                | 26.51                  | 0.448                   | 26.72                     | 0.470                      | 26.67                   | 0.465                    |
| 10<br>0         | DFT-s-OFDM<br>16QAM     | 1                  | 1                | 25.28                  | 0.337                   | 25.57                     | 0.361                      | 25.81                   | 0.381                    |
| 10<br>0         | DFT-s-OFDM<br>64QAM     | 1                  | 1                | 24.12                  | 0.258                   | 24.69                     | 0.294                      | 24.90                   | 0.309                    |
| 10<br>0         | DFT-s-OFDM<br>256QAM    | 1                  | 1                | 22.39                  | 0.173                   | 23.56                     | 0.227                      | 23.70                   | 0.234                    |
| 10<br>0         | CP-OFDM<br>QPSK         | 1                  | 1                | 24.98                  | 0.315                   | 25.91                     | 0.390                      | 26.01                   | 0.399                    |
| 10<br>0         | CP-OFDM<br>16QAM        | 1                  | 1                | 24.49                  | 0.281                   | 25.31                     | 0.340                      | 25.57                   | 0.361                    |
| 10<br>0         | CP-OFDM<br>64QAM        | 1                  | 1                | 23.65                  | 0.232                   | 24.34                     | 0.272                      | 24.47                   | 0.280                    |
| 10              | CP-OFDM                 | 1                  | 1                | 20.90                  | 0.123                   | 20.89                     | 0.123                      | 21.03                   | 0.127                    |



|                 |                 |   |   |         |         |         |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| 0               | 256QAM          |   |   |         |         |         |         |         |         |
| Channel         |                 |   |   | 508200  | 508200  | 518598  | 518598  | 528996  | 528996  |
| Frequency (MHz) |                 |   |   | 2541.00 | 2541.00 | 2592.99 | 2592.99 | 2644.98 | 2644.98 |
| 90              | DFT-s-OFDM QPSK | 1 | 1 | 26.39   | 0.436   | 26.79   | 0.478   | 26.88   | 0.488   |
| Channel         |                 |   |   | 507204  | 507204  | 518598  | 518598  | 529998  | 529998  |
| Frequency (MHz) |                 |   |   | 2536.02 | 2536.02 | 2592.99 | 2592.99 | 2649.99 | 2649.99 |
| 80              | DFT-s-OFDM QPSK | 1 | 1 | 26.44   | 0.441   | 26.82   | 0.481   | 26.89   | 0.489   |
| Channel         |                 |   |   | 506202  | 506202  | 518598  | 518598  | 531000  | 531000  |
| Frequency (MHz) |                 |   |   | 2531.01 | 2531.01 | 2592.99 | 2592.99 | 2655.00 | 2655.00 |
| 70              | DFT-s-OFDM QPSK | 1 | 1 | 26.36   | 0.433   | 26.83   | 0.482   | 26.84   | 0.483   |
| Channel         |                 |   |   | 505200  | 505200  | 518598  | 518598  | 531996  | 531996  |
| Frequency (MHz) |                 |   |   | 2526.00 | 2526.00 | 2592.99 | 2592.99 | 2659.98 | 2659.98 |
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 26.28   | 0.425   | 26.77   | 0.475   | 26.81   | 0.480   |
| Channel         |                 |   |   | 504204  | 504204  | 518598  | 518598  | 532998  | 532998  |
| Frequency (MHz) |                 |   |   | 2521.02 | 2521.02 | 2592.99 | 2592.99 | 2664.99 | 2664.99 |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 26.63   | 0.460   | 26.95   | 0.495   | 26.86   | 0.485   |
| Channel         |                 |   |   | 503202  | 503202  | 518598  | 518598  | 534000  | 534000  |
| Frequency (MHz) |                 |   |   | 2516.01 | 2516.01 | 2592.99 | 2592.99 | 2670.00 | 2670.00 |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 26.46   | 0.443   | 26.71   | 0.469   | 26.61   | 0.458   |
| Channel         |                 |   |   | 502200  | 502200  | 518598  | 518598  | 534996  | 534996  |
| Frequency (MHz) |                 |   |   | 2511.00 | 2511.00 | 2592.99 | 2592.99 | 2674.98 | 2674.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 26.60   | 0.457   | 26.85   | 0.484   | 26.63   | 0.460   |
| Channel         |                 |   |   | 501204  | 501204  | 518598  | 518598  | 535998  | 535998  |
| Frequency (MHz) |                 |   |   | 2506.02 | 2506.02 | 2592.99 | 2592.99 | 2679.99 | 2679.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 26.44   | 0.441   | 26.72   | 0.470   | 26.45   | 0.442   |

| n41(ANT5)       |                      |           |            |                  |                   |                     |                      |                   |                    |
|-----------------|----------------------|-----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]       | Modulation           | R B Si ze | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel         |                      |           |            | 509202           | 509202            | 518598              | 518598               | 528000            | 528000             |
| Frequency (MHz) |                      |           |            | 2546.01          | 2546.01           | 2592.99             | 2592.99              | 2640              | 2640               |
| 100             | DFT-s-OFDM PI/2 BPSK | 1         | 1          | 24.30            | 0.269             | 24.44               | 0.278                | 24.63             | 0.290              |
| 100             |                      | 1         | 136        | 24.37            | 0.274             | 24.54               | 0.284                | 24.44             | 0.278              |
| 100             |                      | 1         | 271        | 24.61            | 0.289             | 24.45               | 0.279                | 24.34             | 0.272              |



|                 |            |    |     |         |         |         |         |         |         |
|-----------------|------------|----|-----|---------|---------|---------|---------|---------|---------|
| 0               |            |    |     |         |         |         |         |         |         |
| 10              |            | 13 | 1   | 24.35   | 0.272   | 24.50   | 0.282   | 24.52   | 0.283   |
| 0               |            | 5  |     |         |         |         |         |         |         |
| 10              |            | 13 | 67  | 24.46   | 0.279   | 24.63   | 0.290   | 24.45   | 0.279   |
| 0               |            | 5  |     |         |         |         |         |         |         |
| 10              |            | 13 | 136 | 24.57   | 0.286   | 24.53   | 0.284   | 24.26   | 0.267   |
| 0               |            | 5  |     |         |         |         |         |         |         |
| 10              |            | 27 | 0   | 24.43   | 0.277   | 24.60   | 0.288   | 24.53   | 0.284   |
| 0               |            | 0  |     |         |         |         |         |         |         |
| 10              |            | 1  | 1   | 24.28   | 0.268   | 24.41   | 0.276   | 24.60   | 0.288   |
| 0               |            |    |     |         |         |         |         |         |         |
| 10              |            | 1  | 136 | 24.52   | 0.283   | 24.67   | 0.293   | 24.48   | 0.281   |
| 0               |            |    |     |         |         |         |         |         |         |
| 10              |            | 1  | 271 | 24.58   | 0.287   | 24.48   | 0.281   | 24.46   | 0.279   |
| 0               |            |    |     |         |         |         |         |         |         |
| 10              | DFT-s-OFDM | 13 | 1   | 24.26   | 0.267   | 24.51   | 0.282   | 24.53   | 0.284   |
| 0               | QPSK       | 5  |     |         |         |         |         |         |         |
| 10              |            | 13 | 67  | 24.55   | 0.285   | 24.65   | 0.292   | 24.56   | 0.286   |
| 0               |            | 5  |     |         |         |         |         |         |         |
| 10              |            | 13 | 136 | 24.62   | 0.290   | 24.47   | 0.280   | 24.44   | 0.278   |
| 0               |            | 5  |     |         |         |         |         |         |         |
| 10              |            | 27 | 0   | 24.37   | 0.274   | 24.59   | 0.288   | 24.52   | 0.283   |
| 0               |            | 0  |     |         |         |         |         |         |         |
| 10              | DFT-s-OFDM | 1  | 1   | 24.24   | 0.265   | 24.32   | 0.270   | 24.58   | 0.287   |
| 0               | 16QAM      |    |     |         |         |         |         |         |         |
| 10              | DFT-s-OFDM | 1  | 1   | 24.28   | 0.268   | 24.43   | 0.277   | 24.60   | 0.288   |
| 0               | 64QAM      |    |     |         |         |         |         |         |         |
| 10              | DFT-s-OFDM | 1  | 1   | 22.73   | 0.187   | 23.25   | 0.211   | 23.44   | 0.221   |
| 0               | 256QAM     |    |     |         |         |         |         |         |         |
| 10              | CP-OFDM    | 1  | 1   | 24.38   | 0.274   | 24.59   | 0.288   | 24.60   | 0.288   |
| 0               | QPSK       |    |     |         |         |         |         |         |         |
| 10              | CP-OFDM    | 1  | 1   | 24.38   | 0.274   | 24.56   | 0.286   | 24.60   | 0.288   |
| 0               | 16QAM      |    |     |         |         |         |         |         |         |
| 10              | CP-OFDM    | 1  | 1   | 23.78   | 0.239   | 24.06   | 0.255   | 24.23   | 0.265   |
| 0               | 64QAM      |    |     |         |         |         |         |         |         |
| 10              | CP-OFDM    | 1  | 1   | 20.64   | 0.116   | 20.75   | 0.119   | 20.95   | 0.124   |
| 0               | 256QAM     |    |     |         |         |         |         |         |         |
| Channel         |            |    |     | 508200  | 508200  | 518598  | 518598  | 528996  | 528996  |
| Frequency (MHz) |            |    |     | 2541.00 | 2541.00 | 2592.99 | 2592.99 | 2644.98 | 2644.98 |
| 90              | DFT-s-OFDM | 1  | 1   | 24.34   | 0.272   | 24.34   | 0.272   | 24.55   | 0.285   |
|                 | QPSK       |    |     |         |         |         |         |         |         |
| Channel         |            |    |     | 507204  | 507204  | 518598  | 518598  | 529998  | 529998  |
| Frequency (MHz) |            |    |     | 2536.02 | 2536.02 | 2592.99 | 2592.99 | 2649.99 | 2649.99 |
| 80              | DFT-s-OFDM | 1  | 1   | 24.39   | 0.275   | 24.50   | 0.282   | 24.57   | 0.286   |
|                 | QPSK       |    |     |         |         |         |         |         |         |
| Channel         |            |    |     | 506202  | 506202  | 518598  | 518598  | 531000  | 531000  |
| Frequency (MHz) |            |    |     | 2531.01 | 2531.01 | 2592.99 | 2592.99 | 2655.00 | 2655.00 |
| 70              | DFT-s-OFDM | 1  | 1   | 24.34   | 0.272   | 24.49   | 0.281   | 24.42   | 0.277   |
|                 | QPSK       |    |     |         |         |         |         |         |         |



|                 |                 |   |   |         |         |         |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| Channel         |                 |   |   | 505200  | 505200  | 518598  | 518598  | 531996  | 531996  |
| Frequency (MHz) |                 |   |   | 2526.00 | 2526.00 | 2592.99 | 2592.99 | 2659.98 | 2659.98 |
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 24.26   | 0.267   | 24.54   | 0.284   | 24.47   | 0.280   |
| Channel         |                 |   |   | 504204  | 504204  | 518598  | 518598  | 532998  | 532998  |
| Frequency (MHz) |                 |   |   | 2521.02 | 2521.02 | 2592.99 | 2592.99 | 2664.99 | 2664.99 |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 24.43   | 0.277   | 24.60   | 0.288   | 24.50   | 0.282   |
| Channel         |                 |   |   | 503202  | 503202  | 518598  | 518598  | 534000  | 534000  |
| Frequency (MHz) |                 |   |   | 2516.01 | 2516.01 | 2592.99 | 2592.99 | 2670.00 | 2670.00 |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 24.22   | 0.264   | 24.36   | 0.273   | 24.20   | 0.263   |
| Channel         |                 |   |   | 502200  | 502200  | 518598  | 518598  | 534996  | 534996  |
| Frequency (MHz) |                 |   |   | 2511.00 | 2511.00 | 2592.99 | 2592.99 | 2674.98 | 2674.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 24.32   | 0.270   | 24.63   | 0.290   | 24.25   | 0.266   |
| Channel         |                 |   |   | 501204  | 501204  | 518598  | 518598  | 535998  | 535998  |
| Frequency (MHz) |                 |   |   | 2506.02 | 2506.02 | 2592.99 | 2592.99 | 2679.99 | 2679.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 24.15   | 0.260   | 24.32   | 0.270   | 24.22   | 0.264   |

| n48 (PC3) (ANT8) |                      |           |            |                  |                   |                     |                      |                   |                    |
|------------------|----------------------|-----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]        | Modulation           | R B Si ze | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel          |                      |           |            | 638000           | 638000            | 641666              | 641666               | 645332            | 645332             |
| Frequency (MHz)  |                      |           |            | 3570.00          | 3570.00           | 3624.99             | 3624.99              | 3679.98           | 3679.98            |
| 40               | DFT-s-OFDM PI/2 BPSK | 1         | 1          | 20.91            | 0.123             | 21.26               | 0.134                | 21.26             | 0.134              |
| 40               |                      | 1         | 53         | 20.99            | 0.126             | 21.19               | 0.132                | 21.30             | 0.135              |
| 40               |                      | 1         | 104        | 21.17            | 0.131             | 21.38               | 0.137                | 21.40             | 0.138              |
| 40               |                      | 50        | 1          | 20.55            | 0.114             | 20.66               | 0.116                | 20.53             | 0.113              |
| 40               |                      | 50        | 25         | 20.38            | 0.109             | 20.58               | 0.114                | 20.74             | 0.119              |
| 40               |                      | 50        | 50         | 20.57            | 0.114             | 20.54               | 0.113                | 20.59             | 0.115              |
| 40               |                      | 100       | 0          | 20.51            | 0.112             | 20.50               | 0.112                | 20.57             | 0.114              |
| 40               | DFT-s-OFDM QPSK      | 1         | 1          | 21.46            | 0.140             | 21.52               | 0.142                | 21.50             | 0.141              |
| 40               |                      | 1         | 53         | 20.86            | 0.122             | 21.09               | 0.129                | 21.22             | 0.132              |
| 40               |                      | 1         | 104        | 21.16            | 0.131             | 21.34               | 0.136                | 21.37             | 0.137              |
| 40               |                      | 50        | 1          | 20.61            | 0.115             | 20.55               | 0.114                | 20.62             | 0.115              |
| 40               |                      | 50        | 25         | 21.38            | 0.137             | 21.45               | 0.140                | 21.42             | 0.139              |
| 40               |                      | 50        | 50         | 20.58            | 0.114             | 20.65               | 0.116                | 20.58             | 0.114              |
| 40               |                      | 100       | 0          | 21.26            | 0.134             | 21.35               | 0.136                | 21.31             | 0.135              |
| 40               | DFT-s-OFDM           | 1         | 1          | 19.70            | 0.093             | 20.05               | 0.101                | 20.05             | 0.101              |



|                 |                      |   |   |         |         |         |         |         |         |
|-----------------|----------------------|---|---|---------|---------|---------|---------|---------|---------|
|                 | 16QAM                |   |   |         |         |         |         |         |         |
| 40              | DFT-s-OFDM<br>64QAM  | 1 | 1 | 18.26   | 0.067   | 18.76   | 0.075   | 18.61   | 0.073   |
| 40              | DFT-s-OFDM<br>256QAM | 1 | 1 | 16.05   | 0.040   | 16.50   | 0.045   | 16.42   | 0.044   |
| 40              | CP-OFDM<br>QPSK      | 1 | 1 | 19.38   | 0.087   | 19.76   | 0.095   | 19.75   | 0.094   |
| 40              | CP-OFDM<br>16QAM     | 1 | 1 | 18.78   | 0.076   | 19.15   | 0.082   | 19.14   | 0.082   |
| 40              | CP-OFDM<br>64QAM     | 1 | 1 | 16.89   | 0.049   | 17.28   | 0.053   | 17.26   | 0.053   |
| 40              | CP-OFDM<br>256QAM    | 1 | 1 | 14.11   | 0.026   | 14.51   | 0.028   | 14.47   | 0.028   |
| Channel         |                      |   |   | 637668  | 637668  | 641666  | 641666  | 645666  | 645666  |
| Frequency (MHz) |                      |   |   | 3565.02 | 3565.02 | 3624.99 | 3624.99 | 3684.99 | 3684.99 |
| 30              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 20.94   | 0.124   | 21.39   | 0.138   | 21.32   | 0.136   |
| Channel         |                      |   |   | 637334  | 637334  | 641666  | 641666  | 646000  | 646000  |
| Frequency (MHz) |                      |   |   | 3560.01 | 3560.01 | 3624.99 | 3624.99 | 3690.00 | 3690.00 |
| 20              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 21.18   | 0.131   | 21.01   | 0.126   | 21.26   | 0.134   |
| Channel         |                      |   |   | 637168  | 637168  | 641666  | 641666  | 646166  | 646166  |
| Frequency (MHz) |                      |   |   | 3557.52 | 3557.52 | 3624.99 | 3624.99 | 3692.49 | 3692.49 |
| 15              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 21.14   | 0.130   | 21.41   | 0.138   | 21.20   | 0.132   |
| Channel         |                      |   |   | 637000  | 637000  | 641666  | 641666  | 646332  | 646332  |
| Frequency (MHz) |                      |   |   | 3555.00 | 3555.00 | 3624.99 | 3624.99 | 3694.98 | 3694.98 |
| 10              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 21.26   | 0.134   | 20.94   | 0.124   | 21.27   | 0.134   |

| n66 (PC3)(ANT5) |                         |                    |                  |                        |                         |                           |                            |                         |                          |
|-----------------|-------------------------|--------------------|------------------|------------------------|-------------------------|---------------------------|----------------------------|-------------------------|--------------------------|
| BW<br>[M<br>Hz] | Modulation              | R<br>B<br>Si<br>ze | RB<br>Off<br>set | Low<br>Channel<br>/dBm | Low<br>Channel<br>/Watt | Middle<br>Channel<br>/dBm | Middle<br>Channel<br>/Watt | High<br>Channel<br>/dBm | High<br>Channel<br>/Watt |
| Channel         |                         |                    |                  | 346000                 | 346000                  | 349000                    | 349000                     | 352000                  | 352000                   |
| Frequency (MHz) |                         |                    |                  | 1730.00                | 1730.00                 | 1745.00                   | 1745.00                    | 1760.00                 | 1760.00                  |
| 40              | DFT-s-OFDM<br>PI/2 BPSK | 1                  | 1                | 23.46                  | 0.222                   | 23.55                     | 0.226                      | 23.52                   | 0.225                    |
| 40              |                         | 1                  | 80               | 23.40                  | 0.219                   | 23.32                     | 0.215                      | 23.21                   | 0.209                    |
| 40              |                         | 1                  | 158              | 23.39                  | 0.218                   | 23.35                     | 0.216                      | 23.31                   | 0.214                    |
| 40              |                         | 80                 | 1                | 22.92                  | 0.196                   | 22.90                     | 0.195                      | 22.82                   | 0.191                    |
| 40              |                         | 80                 | 40               | 23.50                  | 0.224                   | 23.46                     | 0.222                      | 23.32                   | 0.215                    |
| 40              |                         | 80                 | 80               | 22.91                  | 0.195                   | 22.81                     | 0.191                      | 22.79                   | 0.190                    |
| 40              |                         | 16<br>0            | 0                | 22.90                  | 0.195                   | 22.96                     | 0.198                      | 22.85                   | 0.193                    |
| 40              | DFT-s-OFDM              | 1                  | 1                | 23.57                  | 0.228                   | 23.52                     | 0.225                      | 23.55                   | 0.226                    |



REPORT No.: SZ24070315W12

|                 |                   |     |     |         |         |         |         |         |         |
|-----------------|-------------------|-----|-----|---------|---------|---------|---------|---------|---------|
| 40              | QPSK              | 1   | 80  | 23.37   | 0.217   | 23.33   | 0.215   | 23.11   | 0.205   |
| 40              |                   | 1   | 158 | 23.48   | 0.223   | 23.29   | 0.213   | 23.25   | 0.211   |
| 40              |                   | 80  | 1   | 22.82   | 0.191   | 22.81   | 0.191   | 22.79   | 0.190   |
| 40              |                   | 80  | 40  | 23.50   | 0.224   | 23.44   | 0.221   | 23.49   | 0.223   |
| 40              |                   | 80  | 80  | 22.83   | 0.192   | 22.83   | 0.192   | 22.74   | 0.188   |
| 40              |                   | 160 | 0   | 23.42   | 0.220   | 23.38   | 0.218   | 23.37   | 0.217   |
| 40              | DFT-s-OFDM 16QAM  | 1   | 1   | 22.48   | 0.177   | 22.41   | 0.174   | 22.48   | 0.177   |
| 40              | DFT-s-OFDM 64QAM  | 1   | 1   | 20.73   | 0.118   | 20.68   | 0.117   | 20.74   | 0.119   |
| 40              | DFT-s-OFDM 256QAM | 1   | 1   | 18.34   | 0.068   | 18.43   | 0.070   | 18.48   | 0.070   |
| 40              | CP-OFDM QPSK      | 1   | 1   | 22.15   | 0.164   | 22.15   | 0.164   | 22.00   | 0.158   |
| 40              | CP-OFDM 16QAM     | 1   | 1   | 21.41   | 0.138   | 21.31   | 0.135   | 21.31   | 0.135   |
| 40              | CP-OFDM 64QAM     | 1   | 1   | 19.39   | 0.087   | 19.40   | 0.087   | 19.39   | 0.087   |
| 40              | CP-OFDM 256QAM    | 1   | 1   | 16.51   | 0.045   | 16.51   | 0.045   | 16.39   | 0.044   |
| Channel         |                   |     |     | 345000  | 345000  | 349000  | 349000  | 353000  | 353000  |
| Frequency (MHz) |                   |     |     | 1725.00 | 1725.00 | 1745.00 | 1745.00 | 1765.00 | 1765.00 |
| 30              | DFT-s-OFDM QPSK   | 1   | 1   | 23.46   | 0.222   | 23.48   | 0.223   | 23.39   | 0.218   |
| Channel         |                   |     |     | 344000  | 344000  | 349000  | 349000  | 354000  | 354000  |
| Frequency (MHz) |                   |     |     | 1720.00 | 1720.00 | 1745.00 | 1745.00 | 1770.00 | 1770.00 |
| 20              | DFT-s-OFDM QPSK   | 1   | 1   | 23.40   | 0.219   | 23.35   | 0.216   | 23.31   | 0.214   |
| Channel         |                   |     |     | 343500  | 343500  | 349000  | 349000  | 354500  | 354500  |
| Frequency (MHz) |                   |     |     | 1717.50 | 1717.50 | 1745.00 | 1745.00 | 1772.50 | 1772.50 |
| 15              | DFT-s-OFDM QPSK   | 1   | 1   | 23.54   | 0.226   | 23.49   | 0.223   | 23.38   | 0.218   |
| Channel         |                   |     |     | 343000  | 343000  | 349000  | 349000  | 355000  | 355000  |
| Frequency (MHz) |                   |     |     | 1715.00 | 1715.00 | 1745.00 | 1745.00 | 1775.00 | 1775.00 |
| 10              | DFT-s-OFDM QPSK   | 1   | 1   | 23.49   | 0.223   | 23.53   | 0.225   | 23.32   | 0.215   |
| Channel         |                   |     |     | 342500  | 342500  | 349000  | 349000  | 355500  | 355500  |
| Frequency (MHz) |                   |     |     | 1712.50 | 1712.50 | 1745.00 | 1745.00 | 1777.50 | 1777.50 |
| 5               | DFT-s-OFDM QPSK   | 1   | 1   | 23.35   | 0.216   | 23.40   | 0.219   | 23.24   | 0.211   |

| n71 (ANT1) |            |        |            |                  |                   |                     |                      |                   |                    |
|------------|------------|--------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]  | Modulation | R B Si | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |



|                 |                         |         |     |        |        |        |        |        |        |
|-----------------|-------------------------|---------|-----|--------|--------|--------|--------|--------|--------|
|                 |                         | ze      |     |        |        |        |        |        |        |
| Channel         |                         |         |     | 134600 | 134600 | 136100 | 136100 | 137600 | 137600 |
| Frequency (MHz) |                         |         |     | 673.00 | 673.00 | 680.50 | 680.50 | 688.00 | 688.00 |
| 20              | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1   | 18.11  | 0.065  | 18.14  | 0.065  | 18.23  | 0.067  |
| 20              |                         | 1       | 53  | 18.16  | 0.065  | 18.24  | 0.067  | 18.16  | 0.065  |
| 20              |                         | 1       | 104 | 18.21  | 0.066  | 18.13  | 0.065  | 18.14  | 0.065  |
| 20              |                         | 50      | 1   | 18.00  | 0.063  | 18.11  | 0.065  | 18.16  | 0.065  |
| 20              |                         | 50      | 25  | 18.59  | 0.072  | 18.80  | 0.076  | 18.68  | 0.074  |
| 20              |                         | 50      | 50  | 18.10  | 0.065  | 18.11  | 0.065  | 18.00  | 0.063  |
| 20              |                         | 10<br>0 | 0   | 18.12  | 0.065  | 18.18  | 0.066  | 18.19  | 0.066  |
| 20              | DFT-s-OFDM<br>QPSK      | 1       | 1   | 17.71  | 0.059  | 18.71  | 0.074  | 18.78  | 0.076  |
| 20              |                         | 1       | 53  | 18.71  | 0.074  | 18.88  | 0.077  | 18.70  | 0.074  |
| 20              |                         | 1       | 104 | 18.80  | 0.076  | 18.70  | 0.074  | 18.67  | 0.074  |
| 20              |                         | 50      | 1   | 18.03  | 0.064  | 18.15  | 0.065  | 18.23  | 0.067  |
| 20              |                         | 50      | 25  | 18.69  | 0.074  | 18.85  | 0.077  | 18.81  | 0.076  |
| 20              |                         | 50      | 50  | 18.15  | 0.065  | 18.19  | 0.066  | 18.10  | 0.065  |
| 20              |                         | 10<br>0 | 0   | 18.65  | 0.073  | 18.75  | 0.075  | 18.68  | 0.074  |
| 20              | DFT-s-OFDM<br>16QAM     | 1       | 1   | 17.61  | 0.058  | 17.67  | 0.058  | 17.85  | 0.061  |
| 20              | DFT-s-OFDM<br>64QAM     | 1       | 1   | 15.93  | 0.039  | 15.92  | 0.039  | 16.04  | 0.040  |
| 20              | DFT-s-OFDM<br>256QAM    | 1       | 1   | 13.63  | 0.023  | 13.72  | 0.024  | 13.86  | 0.024  |
| 20              | CP-OFDM<br>QPSK         | 1       | 1   | 16.98  | 0.050  | 17.29  | 0.054  | 17.40  | 0.055  |
| 20              | CP-OFDM<br>16QAM        | 1       | 1   | 16.43  | 0.044  | 16.64  | 0.046  | 16.76  | 0.047  |
| 20              | CP-OFDM<br>64QAM        | 1       | 1   | 14.51  | 0.028  | 14.70  | 0.030  | 14.85  | 0.031  |
| 20              | CP-OFDM<br>256QAM       | 1       | 1   | 11.63  | 0.015  | 11.76  | 0.015  | 11.88  | 0.015  |
| Channel         |                         |         |     | 134100 | 134100 | 136100 | 136100 | 138100 | 138100 |
| Frequency (MHz) |                         |         |     | 670.50 | 670.50 | 680.50 | 680.50 | 690.50 | 690.50 |
| 15              | DFT-s-OFDM<br>QPSK      | 1       | 1   | 17.82  | 0.061  | 18.75  | 0.075  | 18.81  | 0.076  |
| Channel         |                         |         |     | 133600 | 133600 | 136100 | 136100 | 138600 | 138600 |
| Frequency (MHz) |                         |         |     | 668.00 | 668.00 | 680.50 | 680.50 | 693.00 | 693.00 |
| 10              | DFT-s-OFDM<br>QPSK      | 1       | 1   | 18.06  | 0.064  | 18.69  | 0.074  | 18.71  | 0.074  |
| Channel         |                         |         |     | 133100 | 133100 | 136100 | 136100 | 139100 | 139100 |
| Frequency (MHz) |                         |         |     | 665.50 | 665.50 | 680.50 | 680.50 | 695.50 | 695.50 |
| 5               | DFT-s-OFDM<br>QPSK      | 1       | 1   | 18.53  | 0.071  | 18.67  | 0.074  | 18.65  | 0.073  |



| n77(3450-3550MHz) (PC2)(ANT8) |                         |                    |                  |                        |                         |                           |                            |                         |                          |
|-------------------------------|-------------------------|--------------------|------------------|------------------------|-------------------------|---------------------------|----------------------------|-------------------------|--------------------------|
| BW<br>[M<br>Hz]               | Modulation              | R<br>B<br>Si<br>ze | RB<br>Off<br>set | Low<br>Channel<br>/dBm | Low<br>Channel<br>/Watt | Middle<br>Channel<br>/dBm | Middle<br>Channel<br>/Watt | High<br>Channel<br>/dBm | High<br>Channel<br>/Watt |
| Channel                       |                         |                    |                  | /                      | /                       | 633334                    | 633334                     | /                       | /                        |
| Frequency (MHz)               |                         |                    |                  | /                      | /                       | 3500.01                   | 3500.01                    | /                       | /                        |
| 10<br>0                       | DFT-s-OFDM<br>PI/2 BPSK | 1                  | 1                | /                      | /                       | 23.46                     | 0.222                      | /                       | /                        |
| 10<br>0                       |                         | 1                  | 136              | /                      | /                       | 23.40                     | 0.219                      | /                       | /                        |
| 10<br>0                       |                         | 1                  | 271              | /                      | /                       | 23.06                     | 0.202                      | /                       | /                        |
| 10<br>0                       |                         | 13<br>5            | 1                | /                      | /                       | 23.09                     | 0.204                      | /                       | /                        |
| 10<br>0                       |                         | 13<br>5            | 67               | /                      | /                       | 23.45                     | 0.221                      | /                       | /                        |
| 10<br>0                       |                         | 13<br>5            | 136              | /                      | /                       | 22.69                     | 0.186                      | /                       | /                        |
| 10<br>0                       |                         | 27<br>0            | 0                | /                      | /                       | 22.94                     | 0.197                      | /                       | /                        |
| 10<br>0                       | DFT-s-OFDM<br>QPSK      | 1                  | 1                | /                      | /                       | 23.49                     | 0.223                      | /                       | /                        |
| 10<br>0                       |                         | 1                  | 136              | /                      | /                       | 23.36                     | 0.217                      | /                       | /                        |
| 10<br>0                       |                         | 1                  | 271              | /                      | /                       | 23.03                     | 0.201                      | /                       | /                        |
| 10<br>0                       |                         | 13<br>5            | 1                | /                      | /                       | 22.74                     | 0.188                      | /                       | /                        |
| 10<br>0                       |                         | 13<br>5            | 67               | /                      | /                       | 23.40                     | 0.219                      | /                       | /                        |
| 10<br>0                       |                         | 13<br>5            | 136              | /                      | /                       | 22.79                     | 0.190                      | /                       | /                        |
| 10<br>0                       |                         | 27<br>0            | 0                | /                      | /                       | 23.31                     | 0.214                      | /                       | /                        |
| 10<br>0                       | DFT-s-OFDM<br>16QAM     | 1                  | 1                | /                      | /                       | 22.26                     | 0.168                      | /                       | /                        |
| 10<br>0                       | DFT-s-OFDM<br>64QAM     | 1                  | 1                | /                      | /                       | 21.39                     | 0.138                      | /                       | /                        |
| 10<br>0                       | DFT-s-OFDM<br>256QAM    | 1                  | 1                | /                      | /                       | 19.39                     | 0.087                      | /                       | /                        |
| 10<br>0                       | CP-OFDM<br>QPSK         | 1                  | 1                | /                      | /                       | 22.42                     | 0.175                      | /                       | /                        |
| 10<br>0                       | CP-OFDM<br>16QAM        | 1                  | 1                | /                      | /                       | 21.78                     | 0.151                      | /                       | /                        |
| 10<br>0                       | CP-OFDM<br>64QAM        | 1                  | 1                | /                      | /                       | 19.81                     | 0.096                      | /                       | /                        |
| 10                            | CP-OFDM                 | 1                  | 1                | /                      | /                       | 17.05                     | 0.051                      | /                       | /                        |



REPORT No.: SZ24070315W12

|                 |                 |   |   |         |         |         |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| 0               | 256QAM          |   |   |         |         |         |         |         |         |
| Channel         |                 |   |   | 633000  | 633000  | 633334  | 633334  | 633666  | 633666  |
| Frequency (MHz) |                 |   |   | 3495.00 | 3495.00 | 3500.01 | 3500.01 | 3504.99 | 3504.99 |
| 90              | DFT-s-OFDM QPSK | 1 | 1 | 23.41   | 0.219   | 23.38   | 0.218   | 23.40   | 0.219   |
| Channel         |                 |   |   | 632668  | 632668  | 633334  | 633334  | 634000  | 634000  |
| Frequency (MHz) |                 |   |   | 3490.02 | 3490.02 | 3500.01 | 3500.01 | 3510.00 | 3510.00 |
| 80              | DFT-s-OFDM QPSK | 1 | 1 | 23.43   | 0.220   | 23.37   | 0.217   | 23.31   | 0.214   |
| Channel         |                 |   |   | 632334  | 632334  | 633334  | 633334  | 634332  | 634332  |
| Frequency (MHz) |                 |   |   | 3485.01 | 3485.01 | 3500.01 | 3500.01 | 3514.98 | 3514.98 |
| 70              | DFT-s-OFDM QPSK | 1 | 1 | 23.42   | 0.220   | 23.39   | 0.218   | 23.22   | 0.210   |
| Channel         |                 |   |   | 632000  | 632000  | 633334  | 633334  | 634666  | 634666  |
| Frequency (MHz) |                 |   |   | 3480.00 | 3480.00 | 3500.01 | 3500.01 | 3519.99 | 3519.99 |
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 23.24   | 0.211   | 23.10   | 0.204   | 23.08   | 0.203   |
| Channel         |                 |   |   | 631668  | 631668  | 633334  | 633334  | 635000  | 635000  |
| Frequency (MHz) |                 |   |   | 3475.02 | 3475.02 | 3500.01 | 3500.01 | 3525.00 | 3525.00 |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 23.46   | 0.222   | 23.37   | 0.217   | 23.24   | 0.211   |
| Channel         |                 |   |   | 631334  | 631334  | 633334  | 633334  | 635332  | 635332  |
| Frequency (MHz) |                 |   |   | 3470.01 | 3470.01 | 3500.01 | 3500.01 | 3529.98 | 3529.98 |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 23.37   | 0.217   | 23.14   | 0.206   | 23.03   | 0.201   |
| Channel         |                 |   |   | 631000  | 631000  | 633334  | 633334  | 635666  | 635666  |
| Frequency (MHz) |                 |   |   | 3465.00 | 3465.00 | 3500.01 | 3500.01 | 3534.99 | 3534.99 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 23.36   | 0.217   | 23.25   | 0.211   | 23.05   | 0.202   |
| Channel         |                 |   |   | 630668  | 630668  | 633334  | 633334  | 636000  | 636000  |
| Frequency (MHz) |                 |   |   | 3460.02 | 3460.02 | 3500.01 | 3500.01 | 3540.00 | 3540.00 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 23.21   | 0.209   | 23.06   | 0.202   | 23.02   | 0.200   |
| Channel         |                 |   |   | 630500  | 630500  | 633334  | 633334  | 636166  | 636166  |
| Frequency (MHz) |                 |   |   | 3457.50 | 3457.50 | 3500.01 | 3500.01 | 3542.49 | 3542.49 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 23.15   | 0.207   | 23.12   | 0.205   | 23.09   | 0.204   |
| Channel         |                 |   |   | 630334  | 630334  | 633334  | 633334  | 636332  | 636332  |
| Frequency (MHz) |                 |   |   | 3455.01 | 3455.01 | 3500.01 | 3500.01 | 3544.98 | 3544.98 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 23.42   | 0.220   | 23.47   | 0.222   | 23.10   | 0.204   |

### n77(3700-3980MHz) (PC2) (ANT8)

| BW [MHz] | Modulation | R B Si | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
|----------|------------|--------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
|----------|------------|--------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|



REPORT No.: SZ24070315W12

|                 |                         |         |     |         |         |         |         |         |         |
|-----------------|-------------------------|---------|-----|---------|---------|---------|---------|---------|---------|
|                 |                         | ze      |     |         |         |         |         |         |         |
| Channel         |                         |         |     | 650000  | 650000  | 656000  | 656000  | 662000  | 662000  |
| Frequency (MHz) |                         |         |     | 3750.00 | 3750.00 | 3840.00 | 3840.00 | 3930.00 | 3930.00 |
| 10<br>0         | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1   | 22.95   | 0.197   | 23.19   | 0.208   | 23.01   | 0.200   |
| 10<br>0         |                         | 1       | 136 | 23.11   | 0.205   | 23.23   | 0.210   | 22.63   | 0.183   |
| 10<br>0         |                         | 1       | 271 | 23.14   | 0.206   | 23.03   | 0.201   | 23.25   | 0.211   |
| 10<br>0         |                         | 13<br>5 | 1   | 22.83   | 0.192   | 22.66   | 0.185   | 22.53   | 0.179   |
| 10<br>0         |                         | 13<br>5 | 67  | 23.11   | 0.205   | 23.22   | 0.210   | 22.68   | 0.185   |
| 10<br>0         |                         | 13<br>5 | 136 | 22.69   | 0.186   | 22.60   | 0.182   | 22.63   | 0.183   |
| 10<br>0         |                         | 27<br>0 | 0   | 22.65   | 0.184   | 22.75   | 0.188   | 22.52   | 0.179   |
| 10<br>0         | DFT-s-OFDM<br>QPSK      | 1       | 1   | 23.15   | 0.207   | 23.36   | 0.217   | 23.24   | 0.211   |
| 10<br>0         |                         | 1       | 136 | 23.12   | 0.205   | 23.17   | 0.207   | 22.77   | 0.189   |
| 10<br>0         |                         | 1       | 271 | 23.14   | 0.206   | 23.00   | 0.200   | 23.26   | 0.212   |
| 10<br>0         |                         | 13<br>5 | 1   | 22.56   | 0.180   | 22.75   | 0.188   | 22.69   | 0.186   |
| 10<br>0         |                         | 13<br>5 | 67  | 23.21   | 0.209   | 23.23   | 0.210   | 23.19   | 0.208   |
| 10<br>0         |                         | 13<br>5 | 136 | 22.75   | 0.188   | 22.71   | 0.187   | 22.64   | 0.184   |
| 10<br>0         |                         | 27<br>0 | 0   | 23.16   | 0.207   | 23.22   | 0.210   | 22.98   | 0.199   |
| 10<br>0         | DFT-s-OFDM<br>16QAM     | 1       | 1   | 21.96   | 0.157   | 22.13   | 0.163   | 22.00   | 0.158   |
| 10<br>0         | DFT-s-OFDM<br>64QAM     | 1       | 1   | 20.47   | 0.111   | 20.77   | 0.119   | 20.71   | 0.118   |
| 10<br>0         | DFT-s-OFDM<br>256QAM    | 1       | 1   | 18.26   | 0.067   | 18.55   | 0.072   | 18.42   | 0.070   |
| 10<br>0         | CP-OFDM<br>QPSK         | 1       | 1   | 21.82   | 0.152   | 21.92   | 0.156   | 21.74   | 0.149   |
| 10<br>0         | CP-OFDM<br>16QAM        | 1       | 1   | 21.01   | 0.126   | 21.37   | 0.137   | 21.27   | 0.134   |
| 10<br>0         | CP-OFDM<br>64QAM        | 1       | 1   | 19.05   | 0.080   | 19.37   | 0.086   | 19.27   | 0.085   |
| 10<br>0         | CP-OFDM<br>256QAM       | 1       | 1   | 16.30   | 0.043   | 16.61   | 0.046   | 16.64   | 0.046   |
| Channel         |                         |         |     | 649666  | 649666  | 656000  | 656000  | 662332  | 662332  |
| Frequency (MHz) |                         |         |     | 3744.99 | 3744.99 | 3840.00 | 3840.00 | 3934.98 | 3934.98 |
| 90              | DFT-s-OFDM<br>QPSK      | 1       | 1   | 22.99   | 0.199   | 23.15   | 0.207   | 22.97   | 0.198   |



|                 |                 |   |   |         |         |         |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| Channel         |                 |   |   | 649334  | 649334  | 656000  | 656000  | 662666  | 662666  |
| Frequency (MHz) |                 |   |   | 3740.01 | 3740.01 | 3840.00 | 3840.00 | 3939.99 | 3939.99 |
| 80              | DFT-s-OFDM QPSK | 1 | 1 | 23.06   | 0.202   | 23.25   | 0.211   | 22.88   | 0.194   |
| Channel         |                 |   |   | 649000  | 649000  | 656000  | 656000  | 663000  | 663000  |
| Frequency (MHz) |                 |   |   | 3735.00 | 3735.00 | 3840.00 | 3840.00 | 3945.00 | 3945.00 |
| 70              | DFT-s-OFDM QPSK | 1 | 1 | 23.02   | 0.200   | 23.23   | 0.210   | 22.80   | 0.191   |
| Channel         |                 |   |   | 648668  | 648668  | 656000  | 656000  | 663332  | 663332  |
| Frequency (MHz) |                 |   |   | 3730.02 | 3730.02 | 3840.00 | 3840.00 | 3949.98 | 3949.98 |
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 22.86   | 0.193   | 23.02   | 0.200   | 22.54   | 0.179   |
| Channel         |                 |   |   | 648334  | 648334  | 656000  | 656000  | 663666  | 663666  |
| Frequency (MHz) |                 |   |   | 3725.01 | 3725.01 | 3840.00 | 3840.00 | 3954.99 | 3954.99 |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 23.10   | 0.204   | 23.23   | 0.210   | 22.45   | 0.176   |
| Channel         |                 |   |   | 648000  | 648000  | 656000  | 656000  | 664000  | 664000  |
| Frequency (MHz) |                 |   |   | 3720.00 | 3720.00 | 3840.00 | 3840.00 | 3960.00 | 3960.00 |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 22.98   | 0.199   | 23.03   | 0.201   | 22.56   | 0.180   |
| Channel         |                 |   |   | 647668  | 647668  | 656000  | 656000  | 664332  | 664332  |
| Frequency (MHz) |                 |   |   | 3715.02 | 3715.02 | 3840.00 | 3840.00 | 3964.98 | 3964.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 23.04   | 0.201   | 23.18   | 0.208   | 22.71   | 0.187   |
| Channel         |                 |   |   | 647334  | 647334  | 656000  | 656000  | 664666  | 664666  |
| Frequency (MHz) |                 |   |   | 3710.01 | 3710.01 | 3840.00 | 3840.00 | 3969.99 | 3969.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 22.92   | 0.196   | 23.03   | 0.201   | 22.86   | 0.193   |
| Channel         |                 |   |   | 647168  | 647168  | 656000  | 656000  | 664832  | 664832  |
| Frequency (MHz) |                 |   |   | 3707.52 | 3707.52 | 3840.00 | 3840.00 | 3972.48 | 3972.48 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 22.96   | 0.198   | 23.11   | 0.205   | 22.92   | 0.196   |
| Channel         |                 |   |   | 647000  | 647000  | 656000  | 656000  | 665000  | 665000  |
| Frequency (MHz) |                 |   |   | 3705.00 | 3705.00 | 3840.00 | 3840.00 | 3975.00 | 3975.00 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 22.98   | 0.199   | 23.13   | 0.206   | 23.13   | 0.206   |

| n77(3450-3550MHz) (PC3) (ANT8) |                      |         |            |                  |                   |                     |                      |                   |                    |
|--------------------------------|----------------------|---------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [MHz]                       | Modulation           | RB Size | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel                        |                      |         |            | /                | /                 | 633334              | 633334               | /                 | /                  |
| Frequency (MHz)                |                      |         |            | /                | /                 | 3500.01             | 3500.01              | /                 | /                  |
| 100                            | DFT-s-OFDM PI/2 BPSK | 1       | 1          | /                | /                 | 22.42               | 0.175                | /                 | /                  |



|                 |                      |    |     |         |         |         |         |         |         |
|-----------------|----------------------|----|-----|---------|---------|---------|---------|---------|---------|
| 10              |                      | 1  | 136 | /       | /       | 22.41   | 0.174   | /       | /       |
| 0               |                      | 1  | 271 | /       | /       | 22.47   | 0.177   | /       | /       |
| 10              |                      | 13 | 1   | /       | /       | 22.47   | 0.177   | /       | /       |
| 0               |                      | 5  | 67  | /       | /       | 22.39   | 0.173   | /       | /       |
| 10              |                      | 13 | 136 | /       | /       | 22.49   | 0.177   | /       | /       |
| 0               |                      | 5  | 0   | /       | /       | 22.50   | 0.178   | /       | /       |
| 10              | DFT-s-OFDM<br>QPSK   | 1  | 1   | /       | /       | 22.52   | 0.179   | /       | /       |
| 0               |                      | 1  | 136 | /       | /       | 22.41   | 0.174   | /       | /       |
| 10              |                      | 1  | 271 | /       | /       | 22.46   | 0.176   | /       | /       |
| 0               |                      | 13 | 1   | /       | /       | 22.35   | 0.172   | /       | /       |
| 10              |                      | 5  | 67  | /       | /       | 22.46   | 0.176   | /       | /       |
| 0               |                      | 13 | 136 | /       | /       | 22.34   | 0.171   | /       | /       |
| 10              |                      | 27 | 0   | /       | /       | 22.44   | 0.175   | /       | /       |
| 0               | DFT-s-OFDM<br>16QAM  | 1  | 1   | /       | /       | 22.33   | 0.171   | /       | /       |
| 10              | DFT-s-OFDM<br>64QAM  | 1  | 1   | /       | /       | 20.58   | 0.114   | /       | /       |
| 0               | DFT-s-OFDM<br>256QAM | 1  | 1   | /       | /       | 18.76   | 0.075   | /       | /       |
| 10              | CP-OFDM<br>QPSK      | 1  | 1   | /       | /       | 22.00   | 0.158   | /       | /       |
| 0               | CP-OFDM<br>16QAM     | 1  | 1   | /       | /       | 21.46   | 0.140   | /       | /       |
| 10              | CP-OFDM<br>64QAM     | 1  | 1   | /       | /       | 19.74   | 0.094   | /       | /       |
| 0               | CP-OFDM<br>256QAM    | 1  | 1   | /       | /       | 16.86   | 0.049   | /       | /       |
| Channel         |                      |    |     | 633000  | 633000  | 633334  | 633334  | 633666  | 633666  |
| Frequency (MHz) |                      |    |     | 3495.00 | 3495.00 | 3500.01 | 3500.01 | 3504.99 | 3504.99 |
| 90              | DFT-s-OFDM<br>QPSK   | 1  | 1   | 22.30   | 0.170   | 22.36   | 0.172   | 22.44   | 0.175   |
| Channel         |                      |    |     | 632668  | 632668  | 633334  | 633334  | 634000  | 634000  |
| Frequency (MHz) |                      |    |     | 3490.02 | 3490.02 | 3500.01 | 3500.01 | 3510.00 | 3510.00 |
| 80              | DFT-s-OFDM<br>QPSK   | 1  | 1   | 22.50   | 0.178   | 22.46   | 0.176   | 22.37   | 0.173   |
| Channel         |                      |    |     | 632334  | 632334  | 633334  | 633334  | 634332  | 634332  |



|                 |                 |   |   |         |         |         |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| Frequency (MHz) |                 |   |   | 3485.01 | 3485.01 | 3500.01 | 3500.01 | 3514.98 | 3514.98 |
| 70              | DFT-s-OFDM QPSK | 1 | 1 | 22.42   | 0.175   | 22.45   | 0.176   | 22.44   | 0.175   |
| Channel         |                 |   |   | 632000  | 632000  | 633334  | 633334  | 634666  | 634666  |
| Frequency (MHz) |                 |   |   | 3480.00 | 3480.00 | 3500.01 | 3500.01 | 3519.99 | 3519.99 |
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 22.35   | 0.172   | 22.41   | 0.174   | 22.46   | 0.176   |
| Channel         |                 |   |   | 631668  | 631668  | 633334  | 633334  | 635000  | 635000  |
| Frequency (MHz) |                 |   |   | 3475.02 | 3475.02 | 3500.01 | 3500.01 | 3525.00 | 3525.00 |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 22.49   | 0.177   | 22.41   | 0.174   | 22.41   | 0.174   |
| Channel         |                 |   |   | 631334  | 631334  | 633334  | 633334  | 635332  | 635332  |
| Frequency (MHz) |                 |   |   | 3470.01 | 3470.01 | 3500.01 | 3500.01 | 3529.98 | 3529.98 |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 22.42   | 0.175   | 22.46   | 0.176   | 22.46   | 0.176   |
| Channel         |                 |   |   | 631000  | 631000  | 633334  | 633334  | 635666  | 635666  |
| Frequency (MHz) |                 |   |   | 3465.00 | 3465.00 | 3500.01 | 3500.01 | 3534.99 | 3534.99 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 22.43   | 0.175   | 22.45   | 0.176   | 22.46   | 0.176   |
| Channel         |                 |   |   | 630668  | 630668  | 633334  | 633334  | 636000  | 636000  |
| Frequency (MHz) |                 |   |   | 3460.02 | 3460.02 | 3500.01 | 3500.01 | 3540.00 | 3540.00 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 22.30   | 0.170   | 22.43   | 0.175   | 22.48   | 0.177   |
| Channel         |                 |   |   | 630500  | 630500  | 633334  | 633334  | 636166  | 636166  |
| Frequency (MHz) |                 |   |   | 3457.50 | 3457.50 | 3500.01 | 3500.01 | 3542.49 | 3542.49 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 22.28   | 0.169   | 22.45   | 0.176   | 22.47   | 0.177   |
| Channel         |                 |   |   | 630334  | 630334  | 633334  | 633334  | 636332  | 636332  |
| Frequency (MHz) |                 |   |   | 3455.01 | 3455.01 | 3500.01 | 3500.01 | 3544.98 | 3544.98 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 22.26   | 0.168   | 22.37   | 0.173   | 22.44   | 0.175   |

| n77(3700-3980MHz) (PC3) (ANT8) |                      |           |            |                  |                   |                     |                      |                   |                    |
|--------------------------------|----------------------|-----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]                      | Modulation           | R B Si ze | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel                        |                      |           |            | 650000           | 650000            | 656000              | 656000               | 662000            | 662000             |
| Frequency (MHz)                |                      |           |            | 3750.00          | 3750.00           | 3840.00             | 3840.00              | 3930.00           | 3930.00            |
| 100                            | DFT-s-OFDM PI/2 BPSK | 1         | 1          | 22.37            | 0.173             | 22.45               | 0.176                | 22.50             | 0.178              |
| 100                            |                      | 1         | 136        | 22.32            | 0.171             | 22.35               | 0.172                | 22.40             | 0.174              |
| 100                            |                      | 1         | 271        | 22.31            | 0.170             | 22.41               | 0.174                | 22.40             | 0.174              |
| 10                             |                      | 13        | 1          | 22.26            | 0.168             | 22.31               | 0.170                | 22.42             | 0.175              |



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|                 |            |    |     |         |         |         |         |         |         |
|-----------------|------------|----|-----|---------|---------|---------|---------|---------|---------|
| 0               |            | 5  |     |         |         |         |         |         |         |
| 10              |            | 13 | 67  | 22.26   | 0.168   | 22.30   | 0.170   | 22.40   | 0.174   |
| 0               |            | 5  |     |         |         |         |         |         |         |
| 10              |            | 13 | 136 | 22.31   | 0.170   | 22.35   | 0.172   | 22.36   | 0.172   |
| 0               |            | 5  |     |         |         |         |         |         |         |
| 10              |            | 27 | 0   | 22.29   | 0.169   | 22.40   | 0.174   | 22.44   | 0.175   |
| 0               |            | 0  |     |         |         |         |         |         |         |
| 10              |            | 1  | 1   | 22.36   | 0.172   | 22.54   | 0.179   | 22.49   | 0.177   |
| 0               |            |    |     |         |         |         |         |         |         |
| 10              |            | 1  | 136 | 22.24   | 0.167   | 22.23   | 0.167   | 22.33   | 0.171   |
| 0               |            |    |     |         |         |         |         |         |         |
| 10              |            | 1  | 271 | 22.46   | 0.176   | 22.50   | 0.178   | 22.43   | 0.175   |
| 0               |            |    |     |         |         |         |         |         |         |
| 10              |            | 13 | 1   | 22.25   | 0.168   | 22.28   | 0.169   | 22.39   | 0.173   |
| 0               |            | 5  |     |         |         |         |         |         |         |
| 10              |            | 13 | 67  | 22.40   | 0.174   | 22.46   | 0.176   | 22.31   | 0.170   |
| 0               |            | 5  |     |         |         |         |         |         |         |
| 10              |            | 13 | 136 | 22.26   | 0.168   | 22.24   | 0.167   | 22.33   | 0.171   |
| 0               |            | 5  |     |         |         |         |         |         |         |
| 10              |            | 27 | 0   | 22.35   | 0.172   | 22.36   | 0.172   | 22.46   | 0.176   |
| 0               |            | 0  |     |         |         |         |         |         |         |
| 10              | DFT-s-OFDM | 1  | 1   | 22.13   | 0.163   | 22.29   | 0.169   | 22.34   | 0.171   |
| 0               | 16QAM      |    |     |         |         |         |         |         |         |
| 10              | DFT-s-OFDM | 1  | 1   | 20.47   | 0.111   | 20.69   | 0.117   | 20.72   | 0.118   |
| 0               | 64QAM      |    |     |         |         |         |         |         |         |
| 10              | DFT-s-OFDM | 1  | 1   | 18.54   | 0.071   | 18.81   | 0.076   | 18.86   | 0.077   |
| 0               | 256QAM     |    |     |         |         |         |         |         |         |
| 10              | CP-OFDM    | 1  | 1   | 21.91   | 0.155   | 21.11   | 0.129   | 21.14   | 0.130   |
| 0               | QPSK       |    |     |         |         |         |         |         |         |
| 10              | CP-OFDM    | 1  | 1   | 21.21   | 0.132   | 21.44   | 0.139   | 21.50   | 0.141   |
| 0               | 16QAM      |    |     |         |         |         |         |         |         |
| 10              | CP-OFDM    | 1  | 1   | 19.67   | 0.093   | 19.86   | 0.097   | 19.97   | 0.099   |
| 0               | 64QAM      |    |     |         |         |         |         |         |         |
| 10              | CP-OFDM    | 1  | 1   | 16.62   | 0.046   | 16.89   | 0.049   | 16.96   | 0.050   |
| 0               | 256QAM     |    |     |         |         |         |         |         |         |
| Channel         |            |    |     | 649666  | 649666  | 656000  | 656000  | 662332  | 662332  |
| Frequency (MHz) |            |    |     | 3744.99 | 3744.99 | 3840.00 | 3840.00 | 3934.98 | 3934.98 |
| 90              | DFT-s-OFDM | 1  | 1   | 22.31   | 0.170   | 22.26   | 0.168   | 22.45   | 0.176   |
|                 | QPSK       |    |     |         |         |         |         |         |         |
| Channel         |            |    |     | 649334  | 649334  | 656000  | 656000  | 662666  | 662666  |
| Frequency (MHz) |            |    |     | 3740.01 | 3740.01 | 3840.00 | 3840.00 | 3939.99 | 3939.99 |
| 80              | DFT-s-OFDM | 1  | 1   | 22.23   | 0.167   | 22.23   | 0.167   | 22.40   | 0.174   |
|                 | QPSK       |    |     |         |         |         |         |         |         |
| Channel         |            |    |     | 649000  | 649000  | 656000  | 656000  | 663000  | 663000  |
| Frequency (MHz) |            |    |     | 3735.00 | 3735.00 | 3840.00 | 3840.00 | 3945.00 | 3945.00 |
| 70              | DFT-s-OFDM | 1  | 1   | 22.13   | 0.163   | 22.25   | 0.168   | 22.33   | 0.171   |
|                 | QPSK       |    |     |         |         |         |         |         |         |
| Channel         |            |    |     | 648668  | 648668  | 656000  | 656000  | 663332  | 663332  |



|                 |                 |   |   |         |         |         |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| Frequency (MHz) |                 |   |   | 3730.02 | 3730.02 | 3840.00 | 3840.00 | 3949.98 | 3949.98 |
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 22.06   | 0.161   | 22.10   | 0.162   | 22.26   | 0.168   |
| Channel         |                 |   |   | 648334  | 648334  | 656000  | 656000  | 663666  | 663666  |
| Frequency (MHz) |                 |   |   | 3725.01 | 3725.01 | 3840.00 | 3840.00 | 3954.99 | 3954.99 |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 22.16   | 0.164   | 22.31   | 0.170   | 22.33   | 0.171   |
| Channel         |                 |   |   | 648000  | 648000  | 656000  | 656000  | 664000  | 664000  |
| Frequency (MHz) |                 |   |   | 3720.00 | 3720.00 | 3840.00 | 3840.00 | 3960.00 | 3960.00 |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 22.17   | 0.165   | 22.15   | 0.164   | 22.13   | 0.163   |
| Channel         |                 |   |   | 647668  | 647668  | 656000  | 656000  | 664332  | 664332  |
| Frequency (MHz) |                 |   |   | 3715.02 | 3715.02 | 3840.00 | 3840.00 | 3964.98 | 3964.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 22.27   | 0.169   | 22.26   | 0.168   | 22.22   | 0.167   |
| Channel         |                 |   |   | 647334  | 647334  | 656000  | 656000  | 664666  | 664666  |
| Frequency (MHz) |                 |   |   | 3710.01 | 3710.01 | 3840.00 | 3840.00 | 3969.99 | 3969.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 22.18   | 0.165   | 22.02   | 0.159   | 22.07   | 0.161   |
| Channel         |                 |   |   | 647168  | 647168  | 656000  | 656000  | 664832  | 664832  |
| Frequency (MHz) |                 |   |   | 3707.52 | 3707.52 | 3840.00 | 3840.00 | 3972.48 | 3972.48 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 22.12   | 0.163   | 22.11   | 0.163   | 22.12   | 0.163   |
| Channel         |                 |   |   | 647000  | 647000  | 656000  | 656000  | 665000  | 665000  |
| Frequency (MHz) |                 |   |   | 3705.00 | 3705.00 | 3840.00 | 3840.00 | 3975.00 | 3975.00 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 22.08   | 0.161   | 22.08   | 0.161   | 22.05   | 0.160   |

| n78(3450-3550MHz)(PC2)(ANT8) |                      |          |            |                  |                   |                     |                      |                   |                    |
|------------------------------|----------------------|----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [MHz]                     | Modulation           | R B Size | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel                      |                      |          |            | /                | /                 | 633334              | 633334               | /                 | /                  |
| Frequency (MHz)              |                      |          |            | /                | /                 | 3500.01             | 3500.01              | /                 | /                  |
| 100                          | DFT-s-OFDM PI/2 BPSK | 1        | 1          | /                | /                 | 23.70               | 0.234                | /                 | /                  |
| 100                          |                      | 1        | 136        | /                | /                 | 23.68               | 0.233                | /                 | /                  |
| 100                          |                      | 1        | 271        | /                | /                 | 23.31               | 0.214                | /                 | /                  |
| 100                          |                      | 135      | 1          | /                | /                 | 23.32               | 0.215                | /                 | /                  |
| 100                          |                      | 135      | 67         | /                | /                 | 23.68               | 0.233                | /                 | /                  |
| 100                          |                      | 135      | 136        | /                | /                 | 22.71               | 0.187                | /                 | /                  |



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|                 |                      |         |     |         |         |         |         |         |         |
|-----------------|----------------------|---------|-----|---------|---------|---------|---------|---------|---------|
| 10<br>0         |                      | 27<br>0 | 0   | /       | /       | 23.21   | 0.209   | /       | /       |
| 10<br>0         |                      | 1       | 1   | /       | /       | 23.75   | 0.237   | /       | /       |
| 10<br>0         |                      | 1       | 136 | /       | /       | 23.60   | 0.229   | /       | /       |
| 10<br>0         |                      | 1       | 271 | /       | /       | 23.29   | 0.213   | /       | /       |
| 10<br>0         | DFT-s-OFDM<br>QPSK   | 13<br>5 | 1   | /       | /       | 22.81   | 0.191   | /       | /       |
| 10<br>0         |                      | 13<br>5 | 67  | /       | /       | 23.62   | 0.230   | /       | /       |
| 10<br>0         |                      | 13<br>5 | 136 | /       | /       | 22.72   | 0.187   | /       | /       |
| 10<br>0         |                      | 27<br>0 | 0   | /       | /       | 22.70   | 0.186   | /       | /       |
| 10<br>0         | DFT-s-OFDM<br>16QAM  | 1       | 1   | /       | /       | 22.90   | 0.195   | /       | /       |
| 10<br>0         | DFT-s-OFDM<br>64QAM  | 1       | 1   | /       | /       | 21.14   | 0.130   | /       | /       |
| 10<br>0         | DFT-s-OFDM<br>256QAM | 1       | 1   | /       | /       | 19.26   | 0.084   | /       | /       |
| 10<br>0         | CP-OFDM<br>QPSK      | 1       | 1   | /       | /       | 22.66   | 0.185   | /       | /       |
| 10<br>0         | CP-OFDM<br>16QAM     | 1       | 1   | /       | /       | 22.07   | 0.161   | /       | /       |
| 10<br>0         | CP-OFDM<br>64QAM     | 1       | 1   | /       | /       | 20.16   | 0.104   | /       | /       |
| 10<br>0         | CP-OFDM<br>256QAM    | 1       | 1   | /       | /       | 17.35   | 0.054   | /       | /       |
| Channel         |                      |         |     | 633000  | 633000  | 633334  | 633334  | 633666  | 633666  |
| Frequency (MHz) |                      |         |     | 3495.00 | 3495.00 | 3500.01 | 3500.01 | 3504.99 | 3504.99 |
| 90              | DFT-s-OFDM<br>QPSK   | 1       | 1   | 23.74   | 0.237   | 23.68   | 0.233   | 23.73   | 0.236   |
| Channel         |                      |         |     | 632668  | 632668  | 633334  | 633334  | 634000  | 634000  |
| Frequency (MHz) |                      |         |     | 3490.02 | 3490.02 | 3500.01 | 3500.01 | 3510.00 | 3510.00 |
| 80              | DFT-s-OFDM<br>QPSK   | 1       | 1   | 23.70   | 0.234   | 23.72   | 0.236   | 23.62   | 0.230   |
| Channel         |                      |         |     | 632334  | 632334  | 633334  | 633334  | 634332  | 634332  |
| Frequency (MHz) |                      |         |     | 3485.01 | 3485.01 | 3500.01 | 3500.01 | 3514.98 | 3514.98 |
| 70              | DFT-s-OFDM<br>QPSK   | 1       | 1   | 23.71   | 0.235   | 23.70   | 0.234   | 23.61   | 0.230   |
| Channel         |                      |         |     | 632000  | 632000  | 633334  | 633334  | 634666  | 634666  |
| Frequency (MHz) |                      |         |     | 3480.00 | 3480.00 | 3500.01 | 3500.01 | 3519.99 | 3519.99 |
| 60              | DFT-s-OFDM<br>QPSK   | 1       | 1   | 23.60   | 0.229   | 23.53   | 0.225   | 23.37   | 0.217   |
| Channel         |                      |         |     | 631668  | 631668  | 633334  | 633334  | 635000  | 635000  |
| Frequency (MHz) |                      |         |     | 3475.02 | 3475.02 | 3500.01 | 3500.01 | 3525.00 | 3525.00 |



|                 |                    |   |   |         |         |         |         |         |         |
|-----------------|--------------------|---|---|---------|---------|---------|---------|---------|---------|
| 50              | DFT-s-OFDM<br>QPSK | 1 | 1 | 23.57   | 0.228   | 23.53   | 0.225   | 23.55   | 0.226   |
| Channel         |                    |   |   | 631334  | 631334  | 633334  | 633334  | 635332  | 635332  |
| Frequency (MHz) |                    |   |   | 3470.01 | 3470.01 | 3500.01 | 3500.01 | 3529.98 | 3529.98 |
| 40              | DFT-s-OFDM<br>QPSK | 1 | 1 | 23.64   | 0.231   | 23.37   | 0.217   | 23.15   | 0.207   |
| Channel         |                    |   |   | 631000  | 631000  | 633334  | 633334  | 635666  | 635666  |
| Frequency (MHz) |                    |   |   | 3465.00 | 3465.00 | 3500.01 | 3500.01 | 3534.99 | 3534.99 |
| 30              | DFT-s-OFDM<br>QPSK | 1 | 1 | 23.70   | 0.234   | 23.54   | 0.226   | 22.98   | 0.199   |
| Channel         |                    |   |   | 630668  | 630668  | 633334  | 633334  | 636000  | 636000  |
| Frequency (MHz) |                    |   |   | 3460.02 | 3460.02 | 3500.01 | 3500.01 | 3540.00 | 3540.00 |
| 20              | DFT-s-OFDM<br>QPSK | 1 | 1 | 23.61   | 0.230   | 23.49   | 0.223   | 23.00   | 0.200   |
| Channel         |                    |   |   | 630500  | 630500  | 633334  | 633334  | 636166  | 636166  |
| Frequency (MHz) |                    |   |   | 3457.50 | 3457.50 | 3500.01 | 3500.01 | 3542.49 | 3542.49 |
| 15              | DFT-s-OFDM<br>QPSK | 1 | 1 | 23.63   | 0.231   | 23.46   | 0.222   | 22.94   | 0.197   |
| Channel         |                    |   |   | 630334  | 630334  | 633334  | 633334  | 636332  | 636332  |
| Frequency (MHz) |                    |   |   | 3455.01 | 3455.01 | 3500.01 | 3500.01 | 3544.98 | 3544.98 |
| 10              | DFT-s-OFDM<br>QPSK | 1 | 1 | 23.65   | 0.232   | 23.52   | 0.225   | 23.15   | 0.207   |

| n78(3700-3800MHz)(PC2) (ANT8) |                         |                    |                  |                        |                         |                           |                            |                         |                          |
|-------------------------------|-------------------------|--------------------|------------------|------------------------|-------------------------|---------------------------|----------------------------|-------------------------|--------------------------|
| BW<br>[M<br>Hz]               | Modulation              | R<br>B<br>Si<br>ze | RB<br>Off<br>set | Low<br>Channel<br>/dBm | Low<br>Channel<br>/Watt | Middle<br>Channel<br>/dBm | Middle<br>Channel<br>/Watt | High<br>Channel<br>/dBm | High<br>Channel<br>/Watt |
| Channel                       |                         |                    |                  | /                      | /                       | 650000                    | 650000                     | /                       | /                        |
| Frequency (MHz)               |                         |                    |                  | /                      | /                       | 3750.00                   | 3750.00                    | /                       | /                        |
| 10<br>0                       | DFT-s-OFDM<br>PI/2 BPSK | 1                  | 1                | /                      | /                       | 23.42                     | 0.220                      | /                       | /                        |
| 10<br>0                       |                         | 1                  | 136              | /                      | /                       | 23.43                     | 0.220                      | /                       | /                        |
| 10<br>0                       |                         | 1                  | 271              | /                      | /                       | 23.49                     | 0.223                      | /                       | /                        |
| 10<br>0                       |                         | 13<br>5            | 1                | /                      | /                       | 23.15                     | 0.207                      | /                       | /                        |
| 10<br>0                       |                         | 13<br>5            | 67               | /                      | /                       | 23.45                     | 0.221                      | /                       | /                        |
| 10<br>0                       |                         | 13<br>5            | 136              | /                      | /                       | 22.83                     | 0.192                      | /                       | /                        |
| 10<br>0                       |                         | 27<br>0            | 0                | /                      | /                       | 23.00                     | 0.200                      | /                       | /                        |
| 10<br>0                       | DFT-s-OFDM<br>QPSK      | 1                  | 1                | /                      | /                       | 23.58                     | 0.228                      | /                       | /                        |
| 10                            |                         | 1                  | 136              | /                      | /                       | 23.46                     | 0.222                      | /                       | /                        |