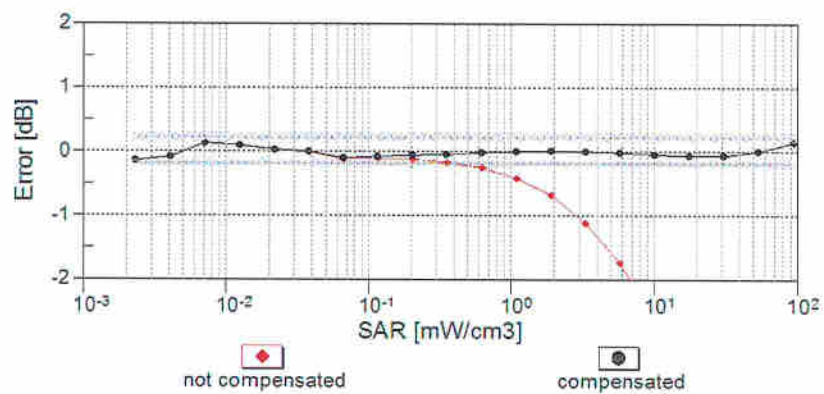
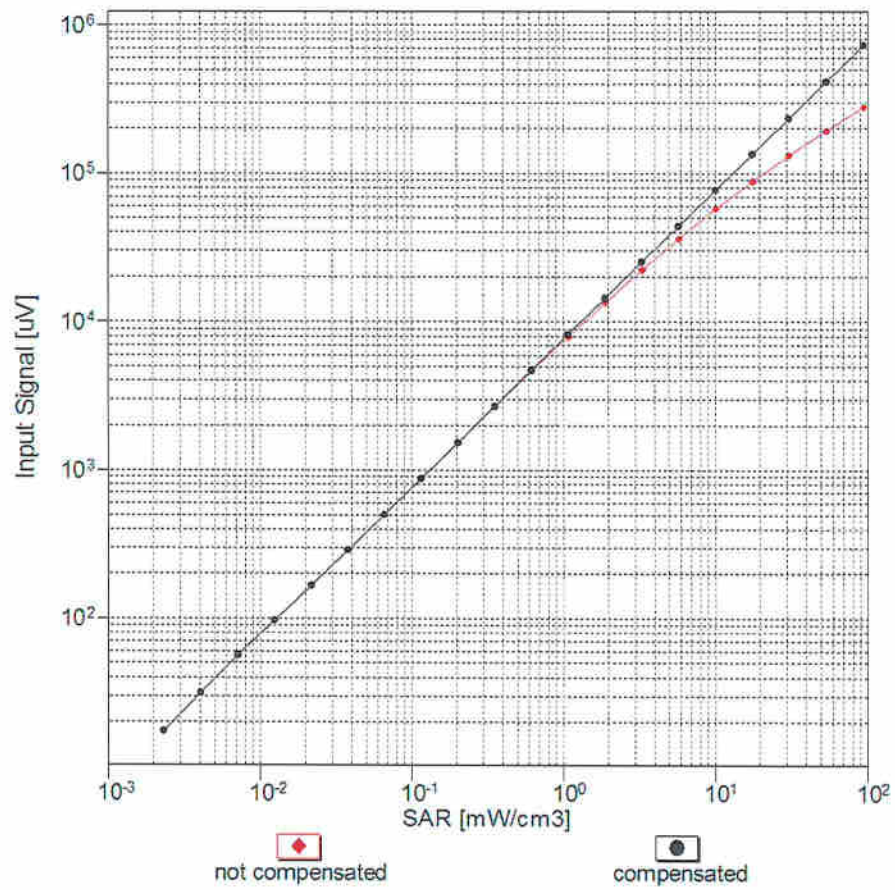
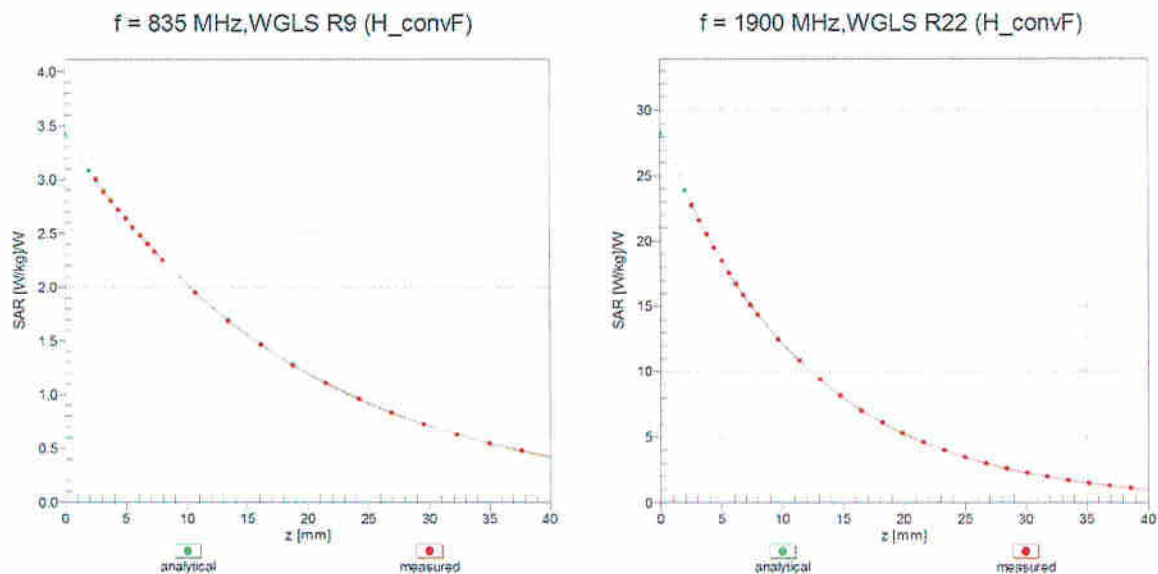


## Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f_{\text{eval}} = 1900 \text{ MHz}$ )



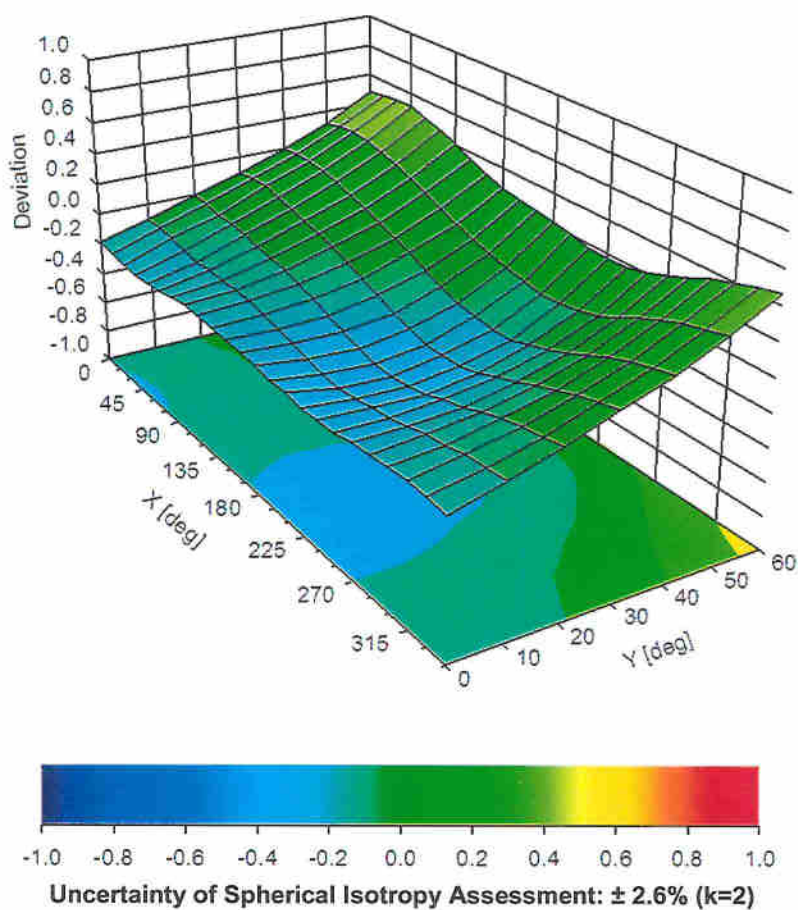
Uncertainty of Linearity Assessment:  $\pm 0.6\%$  ( $k=2$ )

## Conversion Factor Assessment



## Deviation from Isotropy in Liquid

Error ( $\phi, \theta$ ),  $f = 900 \text{ MHz}$





Accredited by the Swiss Accreditation Service (SAS)

Accreditation No.: **SCS 0108**

The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Client **Sporton**

Certificate No: **EX3-3857\_Nov21**

## CALIBRATION CERTIFICATE

Object **EX3DV4 - SN:3857**

Calibration procedure(s) **QA CAL-01.v9, QA CAL-14.v6, QA CAL-23.v5, QA CAL-25.v7  
Calibration procedure for dosimetric E-field probes**

Calibration date: **November 24, 2021**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature ( $22 \pm 3$ )°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards          | ID               | Cal Date (Certificate No.)        | Scheduled Calibration  |
|----------------------------|------------------|-----------------------------------|------------------------|
| Power meter NRP            | SN: 104778       | 09-Apr-21 (No. 217-03291/03292)   | Apr-22                 |
| Power sensor NRP-Z91       | SN: 103244       | 09-Apr-21 (No. 217-03291)         | Apr-22                 |
| Power sensor NRP-Z91       | SN: 103245       | 09-Apr-21 (No. 217-03292)         | Apr-22                 |
| Reference 20 dB Attenuator | SN: CC2552 (20x) | 09-Apr-21 (No. 217-03343)         | Apr-22                 |
| DAE4                       | SN: 660          | 23-Dec-20 (No. DAE4-660_Dec20)    | Dec-21                 |
| Reference Probe ES3DV2     | SN: 3013         | 30-Dec-20 (No. ES3-3013_Dec20)    | Dec-21                 |
| Secondary Standards        | ID               | Check Date (in house)             | Scheduled Check        |
| Power meter E4419B         | SN: GB41293874   | 06-Apr-16 (in house check Jun-20) | In house check: Jun-22 |
| Power sensor E4412A        | SN: MY41498087   | 06-Apr-16 (in house check Jun-20) | In house check: Jun-22 |
| Power sensor E4412A        | SN: 000110210    | 06-Apr-16 (in house check Jun-20) | In house check: Jun-22 |
| RF generator HP 8648C      | SN: US3642U01700 | 04-Aug-99 (in house check Jun-20) | In house check: Jun-22 |
| Network Analyzer E8358A    | SN: US41080477   | 31-Mar-14 (in house check Oct-20) | In house check: Oct-22 |

|                                                                                                                 | Name         | Function              | Signature |
|-----------------------------------------------------------------------------------------------------------------|--------------|-----------------------|-----------|
| Calibrated by:                                                                                                  | Leif Klysner | Laboratory Technician |           |
| Approved by:                                                                                                    | Niels Kuster | Quality Manager       |           |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |              |                       |           |

Issued: November 26, 2021





Accredited by the Swiss Accreditation Service (SAS)

Accreditation No.: **SCS 0108**

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### Glossary:

|                          |                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| TSL                      | tissue simulating liquid                                                                                                                                |
| NORM <sub>x,y,z</sub>    | sensitivity in free space                                                                                                                               |
| ConvF                    | sensitivity in TSL / NORM <sub>x,y,z</sub>                                                                                                              |
| DCP                      | diode compression point                                                                                                                                 |
| CF                       | crest factor (1/duty_cycle) of the RF signal                                                                                                            |
| A, B, C, D               | modulation dependent linearization parameters                                                                                                           |
| Polarization $\varphi$   | $\varphi$ rotation around probe axis                                                                                                                    |
| Polarization $\vartheta$ | $\vartheta$ rotation around an axis that is in the plane normal to probe axis (at measurement center),<br>i.e., $\vartheta = 0$ is normal to probe axis |
| Connector Angle          | information used in DASY system to align probe sensor X to the robot coordinate system                                                                  |

### Calibration is Performed According to the Following Standards:

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

### Methods Applied and Interpretation of Parameters:

- NORM<sub>x,y,z</sub>**: Assessed for E-field polarization  $\vartheta = 0$  ( $f \leq 900$  MHz in TEM-cell;  $f > 1800$  MHz: R22 waveguide). NORM<sub>x,y,z</sub> are only intermediate values, i.e., the uncertainties of NORM<sub>x,y,z</sub> does not affect the E<sup>2</sup>-field uncertainty inside TSL (see below ConvF).
- NORM(f)<sub>x,y,z</sub>** = NORM<sub>x,y,z</sub> \* frequency\_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP<sub>x,y,z</sub>**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- A<sub>x,y,z</sub>; B<sub>x,y,z</sub>; C<sub>x,y,z</sub>; D<sub>x,y,z</sub>; VR<sub>x,y,z</sub>**: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for  $f \leq 800$  MHz) and inside waveguide using analytical field distributions based on power measurements for  $f > 800$  MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM<sub>x,y,z</sub> \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from  $\pm 50$  MHz to  $\pm 100$  MHz.
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM<sub>x</sub> (no uncertainty required).

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:3857

## Basic Calibration Parameters

|                                       | Sensor X | Sensor Y | Sensor Z | Unc (k=2)     |
|---------------------------------------|----------|----------|----------|---------------|
| Norm ( $\mu V/(V/m)^2$ ) <sup>A</sup> | 0.18     | 0.43     | 0.46     | $\pm 10.1 \%$ |
| DCP (mV) <sup>B</sup>                 | 93.6     | 97.5     | 102.8    |               |

## Calibration Results for Modulation Response

| UID       | Communication System Name   |   | A<br>dB | B<br>dB $\sqrt{\mu V}$ | C     | D<br>dB | VR<br>mV | Max<br>dev.  | Max<br>Unc <sup>E</sup><br>(k=2) |
|-----------|-----------------------------|---|---------|------------------------|-------|---------|----------|--------------|----------------------------------|
| 0         | CW                          | X | 0.00    | 0.00                   | 1.00  | 0.00    | 147.3    | $\pm 2.7 \%$ | $\pm 4.7 \%$                     |
|           |                             | Y | 0.00    | 0.00                   | 1.00  |         | 129.3    |              |                                  |
|           |                             | Z | 0.00    | 0.00                   | 1.00  |         | 149.0    |              |                                  |
| 10352-AAA | Pulse Waveform (200Hz, 10%) | X | 6.93    | 75.75                  | 15.72 | 10.00   | 60.0     | $\pm 6.2 \%$ | $\pm 9.6 \%$                     |
|           |                             | Y | 20.00   | 89.66                  | 19.31 |         | 60.0     |              |                                  |
|           |                             | Z | 64.00   | 102.00                 | 23.00 |         | 60.0     |              |                                  |
| 10353-AAA | Pulse Waveform (200Hz, 20%) | X | 5.09    | 75.12                  | 14.25 | 6.99    | 80.0     | $\pm 2.5 \%$ | $\pm 9.6 \%$                     |
|           |                             | Y | 20.00   | 92.25                  | 19.43 |         | 80.0     |              |                                  |
|           |                             | Z | 20.00   | 89.83                  | 18.56 |         | 80.0     |              |                                  |
| 10354-AAA | Pulse Waveform (200Hz, 40%) | X | 1.71    | 68.03                  | 9.99  | 3.98    | 95.0     | $\pm 1.5 \%$ | $\pm 9.6 \%$                     |
|           |                             | Y | 20.00   | 95.27                  | 19.49 |         | 95.0     |              |                                  |
|           |                             | Z | 20.00   | 91.92                  | 17.94 |         | 95.0     |              |                                  |
| 10355-AAA | Pulse Waveform (200Hz, 60%) | X | 0.34    | 60.00                  | 4.91  | 2.22    | 120.0    | $\pm 1.3 \%$ | $\pm 9.6 \%$                     |
|           |                             | Y | 20.00   | 99.19                  | 19.96 |         | 120.0    |              |                                  |
|           |                             | Z | 20.00   | 92.22                  | 16.78 |         | 120.0    |              |                                  |
| 10387-AAA | QPSK Waveform, 1 MHz        | X | 1.54    | 64.06                  | 13.77 | 1.00    | 150.0    | $\pm 2.7 \%$ | $\pm 9.6 \%$                     |
|           |                             | Y | 1.70    | 66.91                  | 15.28 |         | 150.0    |              |                                  |
|           |                             | Z | 1.50    | 65.06                  | 14.15 |         | 150.0    |              |                                  |
| 10388-AAA | QPSK Waveform, 10 MHz       | X | 2.03    | 66.19                  | 14.47 | 0.00    | 150.0    | $\pm 1.0 \%$ | $\pm 9.6 \%$                     |
|           |                             | Y | 2.30    | 68.80                  | 16.10 |         | 150.0    |              |                                  |
|           |                             | Z | 1.99    | 66.54                  | 14.91 |         | 150.0    |              |                                  |
| 10396-AAA | 64-QAM Waveform, 100 kHz    | X | 2.96    | 69.15                  | 18.01 | 3.01    | 150.0    | $\pm 0.9 \%$ | $\pm 9.6 \%$                     |
|           |                             | Y | 2.80    | 70.32                  | 18.82 |         | 150.0    |              |                                  |
|           |                             | Z | 2.38    | 67.09                  | 17.06 |         | 150.0    |              |                                  |
| 10399-AAA | 64-QAM Waveform, 40 MHz     | X | 3.37    | 66.13                  | 15.16 | 0.00    | 150.0    | $\pm 3.9 \%$ | $\pm 9.6 \%$                     |
|           |                             | Y | 3.57    | 67.56                  | 16.01 |         | 150.0    |              |                                  |
|           |                             | Z | 3.50    | 67.17                  | 15.70 |         | 150.0    |              |                                  |
| 10414-AAA | WLAN CCDF, 64-QAM, 40MHz    | X | 4.61    | 64.19                  | 14.80 | 0.00    | 150.0    | $\pm 6.6 \%$ | $\pm 9.6 \%$                     |
|           |                             | Y | 4.73    | 65.30                  | 15.39 |         | 150.0    |              |                                  |
|           |                             | Z | 4.67    | 65.12                  | 15.21 |         | 150.0    |              |                                  |

Note: For details on UID parameters see Appendix

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

<sup>A</sup> The uncertainties of Norm X,Y,Z do not affect the  $E^2$ -field uncertainty inside TSL (see Pages 5 and 6).

<sup>B</sup> Numerical linearization parameter: uncertainty not required.

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3857

### Sensor Model Parameters

|   | C1<br>fF | C2<br>fF | $\alpha$<br>$V^{-1}$ | T1<br>$ms.V^{-2}$ | T2<br>$ms.V^{-1}$ | T3<br>ms | T4<br>$V^{-2}$ | T5<br>$V^{-1}$ | T6   |
|---|----------|----------|----------------------|-------------------|-------------------|----------|----------------|----------------|------|
| X | 57.3     | 450.17   | 38.79                | 7.45              | 1.00              | 5.04     | 0.00           | 0.65           | 1.01 |
| Y | 43.9     | 328.64   | 35.75                | 9.88              | 0.00              | 5.08     | 0.82           | 0.27           | 1.01 |
| Z | 41.5     | 308.59   | 35.21                | 6.99              | 0.45              | 5.03     | 0.40           | 0.32           | 1.01 |

### Other Probe Parameters

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement                            | Triangular |
| Connector Angle (°)                           | -124.5     |
| Mechanical Surface Detection Mode             | enabled    |
| Optical Surface Detection Mode                | disabled   |
| Probe Overall Length                          | 337 mm     |
| Probe Body Diameter                           | 10 mm      |
| Tip Length                                    | 9 mm       |
| Tip Diameter                                  | 2.5 mm     |
| Probe Tip to Sensor X Calibration Point       | 1 mm       |
| Probe Tip to Sensor Y Calibration Point       | 1 mm       |
| Probe Tip to Sensor Z Calibration Point       | 1 mm       |
| Recommended Measurement Distance from Surface | 1.4 mm     |

**Note:** Measurement distance from surface can be increased to 3-4 mm for an *Area Scan* job.

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3857

### Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>F</sup> | Conductivity (S/m) <sup>F</sup> | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup> (mm) | Unc (k=2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-----------|
| 750                  | 41.9                               | 0.89                            | 9.42    | 9.42    | 9.42    | 0.57               | 0.80                    | ± 12.0 %  |
| 835                  | 41.5                               | 0.90                            | 9.18    | 9.18    | 9.18    | 0.37               | 1.00                    | ± 12.0 %  |
| 900                  | 41.5                               | 0.97                            | 9.02    | 9.02    | 9.02    | 0.22               | 1.46                    | ± 12.0 %  |
| 1450                 | 40.5                               | 1.20                            | 8.71    | 8.71    | 8.71    | 0.48               | 0.80                    | ± 12.0 %  |
| 1750                 | 40.1                               | 1.37                            | 8.13    | 8.13    | 8.13    | 0.31               | 0.86                    | ± 12.0 %  |
| 1900                 | 40.0                               | 1.40                            | 7.86    | 7.86    | 7.86    | 0.37               | 0.86                    | ± 12.0 %  |
| 2000                 | 40.0                               | 1.40                            | 7.79    | 7.79    | 7.79    | 0.41               | 0.86                    | ± 12.0 %  |
| 2300                 | 39.5                               | 1.67                            | 7.60    | 7.60    | 7.60    | 0.34               | 0.92                    | ± 12.0 %  |
| 2450                 | 39.2                               | 1.80                            | 7.53    | 7.53    | 7.53    | 0.30               | 0.92                    | ± 12.0 %  |
| 2600                 | 39.0                               | 1.96                            | 7.28    | 7.28    | 7.28    | 0.35               | 0.92                    | ± 12.0 %  |
| 3300                 | 38.2                               | 2.71                            | 6.72    | 6.72    | 6.72    | 0.30               | 1.35                    | ± 14.0 %  |
| 3500                 | 37.9                               | 2.91                            | 6.65    | 6.65    | 6.65    | 0.30               | 1.35                    | ± 14.0 %  |
| 3700                 | 37.7                               | 3.12                            | 6.60    | 6.60    | 6.60    | 0.30               | 1.35                    | ± 14.0 %  |
| 3900                 | 37.5                               | 3.32                            | 6.58    | 6.58    | 6.58    | 0.40               | 1.50                    | ± 14.0 %  |
| 4100                 | 37.2                               | 3.53                            | 6.11    | 6.11    | 6.11    | 0.35               | 1.50                    | ± 14.0 %  |
| 4200                 | 37.1                               | 3.63                            | 6.00    | 6.00    | 6.00    | 0.35               | 1.50                    | ± 14.0 %  |
| 4400                 | 36.9                               | 3.84                            | 5.94    | 5.94    | 5.94    | 0.35               | 1.70                    | ± 14.0 %  |
| 4600                 | 36.7                               | 4.04                            | 5.88    | 5.88    | 5.88    | 0.40               | 1.70                    | ± 14.0 %  |
| 4800                 | 36.4                               | 4.25                            | 5.76    | 5.76    | 5.76    | 0.40               | 1.80                    | ± 14.0 %  |
| 4950                 | 36.3                               | 4.40                            | 5.47    | 5.47    | 5.47    | 0.40               | 1.80                    | ± 14.0 %  |
| 5250                 | 35.9                               | 4.71                            | 5.05    | 5.05    | 5.05    | 0.40               | 1.80                    | ± 14.0 %  |
| 5600                 | 35.5                               | 5.07                            | 4.69    | 4.69    | 4.69    | 0.40               | 1.80                    | ± 14.0 %  |
| 5750                 | 35.4                               | 5.22                            | 4.92    | 4.92    | 4.92    | 0.40               | 1.80                    | ± 14.0 %  |

<sup>C</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

<sup>F</sup> At frequencies up to 6 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

<sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3857

### Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>F</sup> | Conductivity (S/m) <sup>F</sup> | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup> (mm) | Unc (k=2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-----------|
| 6500                 | 34.5                               | 6.07                            | 5.50    | 5.50    | 5.50    | 0.20               | 2.50                    | ± 18.6 %  |

<sup>C</sup> Frequency validity above 6GHz is ± 700 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

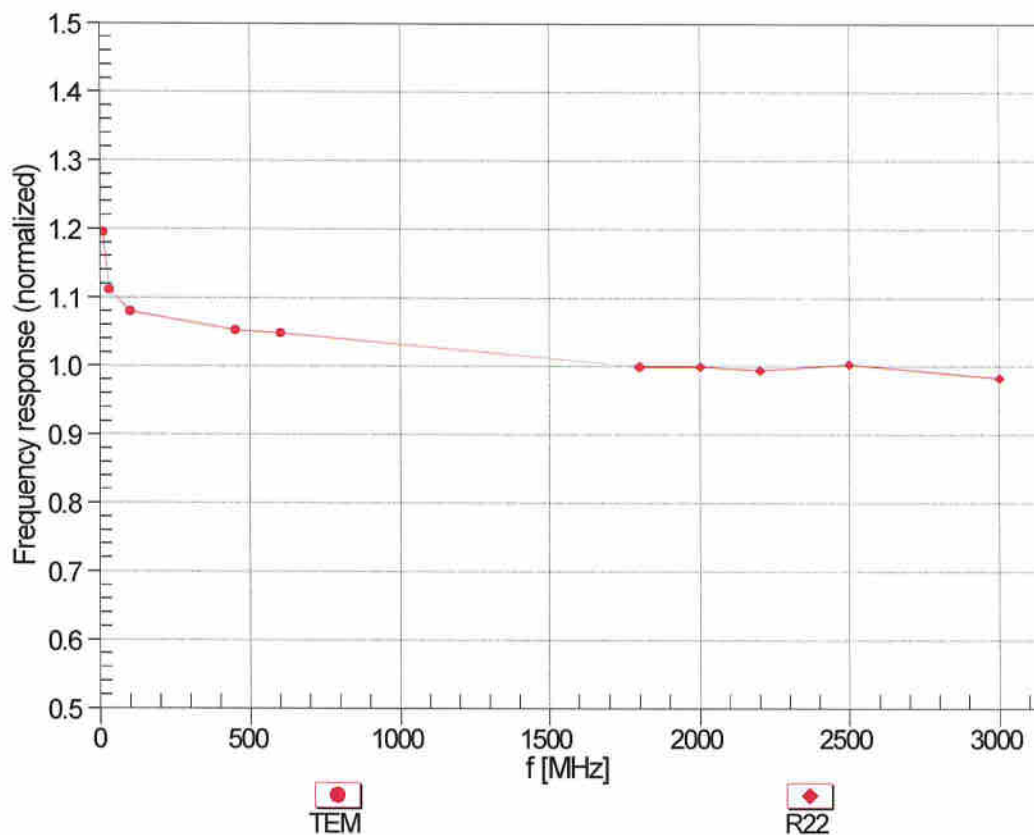
<sup>F</sup> At frequencies 6-10 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

<sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz; below ± 2% for frequencies between 3-6 GHz; and below ± 4% for frequencies between 6-10 GHz at any distance larger than half the probe tip diameter from the boundary.



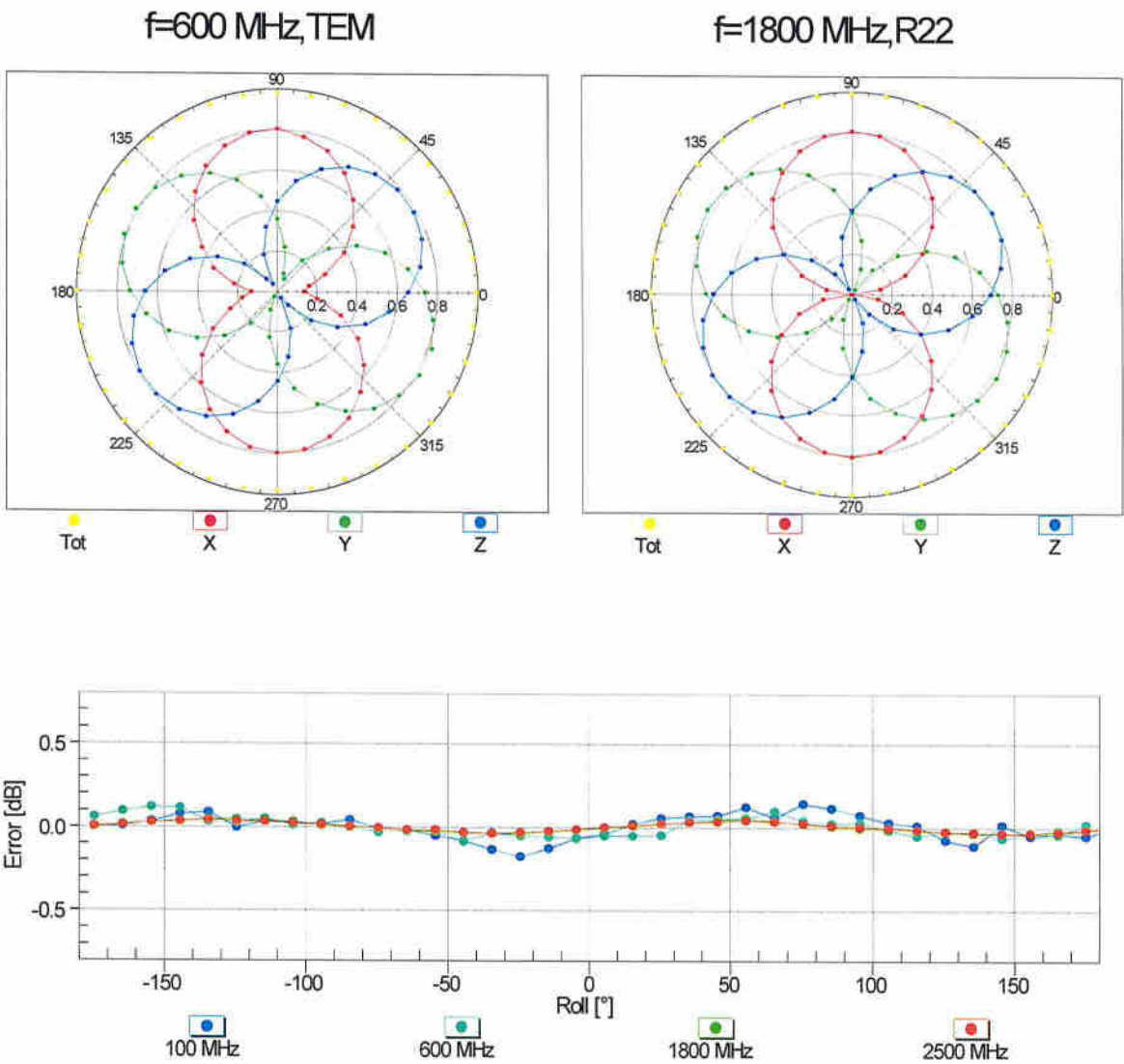
## Frequency Response of E-Field

(TEM-Cell:ifi110 EXX, Waveguide: R22)



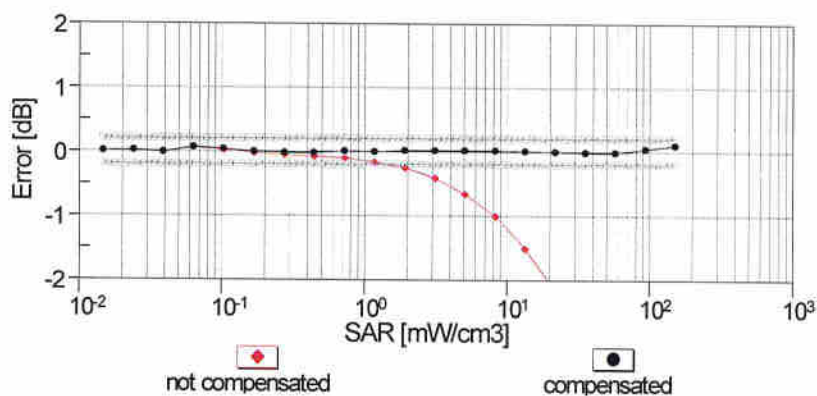
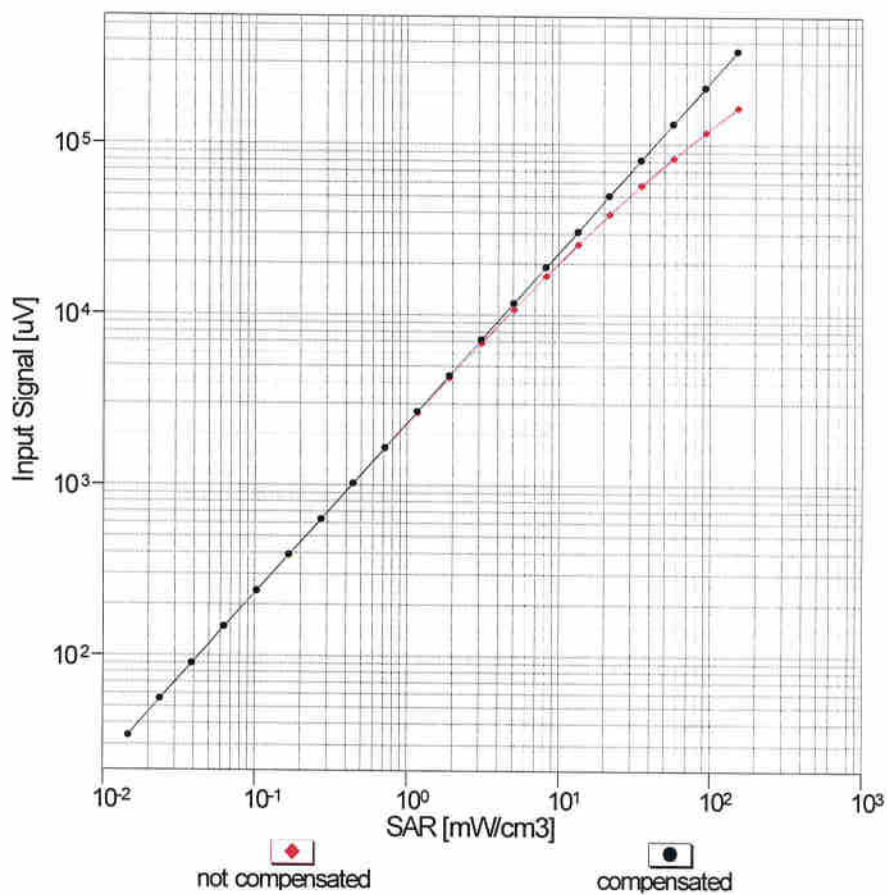
Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  ( $k=2$ )

Receiving Pattern ( $\phi$ ),  $\vartheta = 0^\circ$



Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  ( $k=2$ )

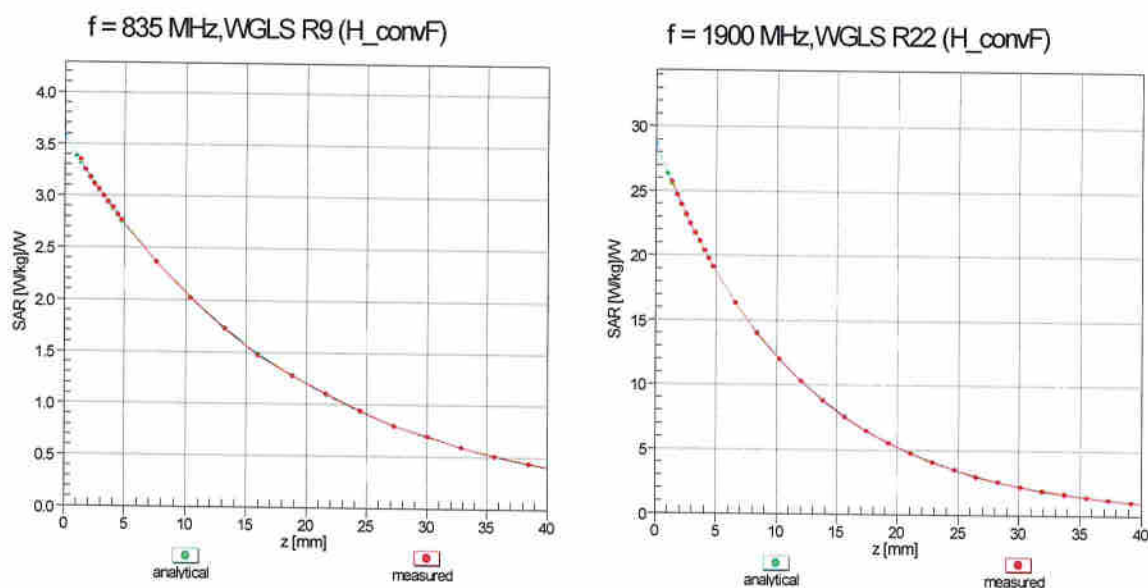
## Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f_{\text{eval}} = 1900 \text{ MHz}$ )



Uncertainty of Linearity Assessment:  $\pm 0.6\%$  ( $k=2$ )

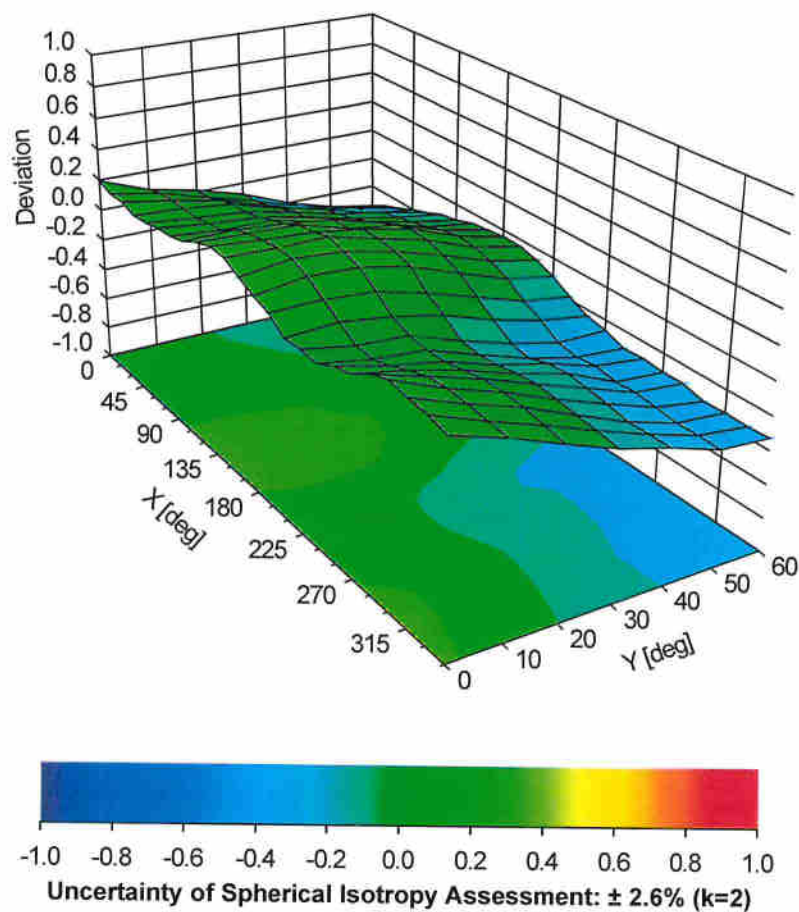


## Conversion Factor Assessment



## Deviation from Isotropy in Liquid

Error ( $\phi, \theta$ ),  $f = 900 \text{ MHz}$



**Appendix: Modulation Calibration Parameters**

| UID   | Rev | Communication System Name                           | Group     | PAR (dB) | Unc <sup>E</sup> (k=2) |
|-------|-----|-----------------------------------------------------|-----------|----------|------------------------|
| 0     | -   | CW                                                  | CW        | 0.00     | ± 4.7 %                |
| 10010 | CAA | SAR Validation (Square, 100ms, 10ms)                | Test      | 10.00    | ± 9.6 %                |
| 10011 | CAB | UMTS-FDD (WCDMA)                                    | WCDMA     | 2.91     | ± 9.6 %                |
| 10012 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)            | WLAN      | 1.87     | ± 9.6 %                |
| 10013 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)       | WLAN      | 9.46     | ± 9.6 %                |
| 10021 | DAC | GSM-FDD (TDMA, GMSK)                                | GSM       | 9.39     | ± 9.6 %                |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0)                         | GSM       | 9.57     | ± 9.6 %                |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1)                       | GSM       | 6.56     | ± 9.6 %                |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0)                         | GSM       | 12.62    | ± 9.6 %                |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1)                       | GSM       | 9.55     | ± 9.6 %                |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2)                     | GSM       | 4.80     | ± 9.6 %                |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)                   | GSM       | 3.55     | ± 9.6 %                |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2)                     | GSM       | 7.78     | ± 9.6 %                |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1)                 | Bluetooth | 5.30     | ± 9.6 %                |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3)                 | Bluetooth | 1.87     | ± 9.6 %                |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5)                 | Bluetooth | 1.16     | ± 9.6 %                |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)           | Bluetooth | 7.74     | ± 9.6 %                |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)           | Bluetooth | 4.53     | ± 9.6 %                |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)           | Bluetooth | 3.83     | ± 9.6 %                |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1)               | Bluetooth | 8.01     | ± 9.6 %                |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3)               | Bluetooth | 4.77     | ± 9.6 %                |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5)               | Bluetooth | 4.10     | ± 9.6 %                |
| 10039 | CAB | CDMA2000 (1xRTT, RC1)                               | CDMA2000  | 4.57     | ± 9.6 %                |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS      | 7.78     | ± 9.6 %                |
| 10044 | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM)                    | AMPS      | 0.00     | ± 9.6 %                |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)           | DECT      | 13.80    | ± 9.6 %                |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)         | DECT      | 10.79    | ± 9.6 %                |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps)                      | TD-SCDMA  | 11.01    | ± 9.6 %                |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)                   | GSM       | 6.52     | ± 9.6 %                |
| 10059 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)            | WLAN      | 2.12     | ± 9.6 %                |
| 10060 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)          | WLAN      | 2.83     | ± 9.6 %                |
| 10061 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)           | WLAN      | 3.60     | ± 9.6 %                |
| 10062 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)            | WLAN      | 8.68     | ± 9.6 %                |
| 10063 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)            | WLAN      | 8.63     | ± 9.6 %                |
| 10064 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)           | WLAN      | 9.09     | ± 9.6 %                |
| 10065 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)           | WLAN      | 9.00     | ± 9.6 %                |
| 10066 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)           | WLAN      | 9.38     | ± 9.6 %                |
| 10067 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)           | WLAN      | 10.12    | ± 9.6 %                |
| 10068 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)           | WLAN      | 10.24    | ± 9.6 %                |
| 10069 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)           | WLAN      | 10.56    | ± 9.6 %                |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)       | WLAN      | 9.83     | ± 9.6 %                |
| 10072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)      | WLAN      | 9.62     | ± 9.6 %                |
| 10073 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)      | WLAN      | 9.94     | ± 9.6 %                |
| 10074 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)      | WLAN      | 10.30    | ± 9.6 %                |
| 10075 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)      | WLAN      | 10.77    | ± 9.6 %                |
| 10076 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)      | WLAN      | 10.94    | ± 9.6 %                |
| 10077 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)      | WLAN      | 11.00    | ± 9.6 %                |
| 10081 | CAB | CDMA2000 (1xRTT, RC3)                               | CDMA2000  | 3.97     | ± 9.6 %                |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS      | 4.77     | ± 9.6 %                |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4)                       | GSM       | 6.56     | ± 9.6 %                |
| 10097 | CAB | UMTS-FDD (HSDPA)                                    | WCDMA     | 3.98     | ± 9.6 %                |
| 10098 | CAB | UMTS-FDD (HSUPA, Subtest 2)                         | WCDMA     | 3.98     | ± 9.6 %                |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4)                       | GSM       | 9.55     | ± 9.6 %                |



|       |     |                                                |         |       |         |
|-------|-----|------------------------------------------------|---------|-------|---------|
| 10100 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)       | LTE-FDD | 5.67  | ± 9.6 % |
| 10101 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)     | LTE-FDD | 6.42  | ± 9.6 % |
| 10102 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)     | LTE-FDD | 6.60  | ± 9.6 % |
| 10103 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)       | LTE-TDD | 9.29  | ± 9.6 % |
| 10104 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)     | LTE-TDD | 9.97  | ± 9.6 % |
| 10105 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)     | LTE-TDD | 10.01 | ± 9.6 % |
| 10108 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)       | LTE-FDD | 5.80  | ± 9.6 % |
| 10109 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)     | LTE-FDD | 6.43  | ± 9.6 % |
| 10110 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)        | LTE-FDD | 5.75  | ± 9.6 % |
| 10111 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)      | LTE-FDD | 6.44  | ± 9.6 % |
| 10112 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)     | LTE-FDD | 6.59  | ± 9.6 % |
| 10113 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)      | LTE-FDD | 6.62  | ± 9.6 % |
| 10114 | CAD | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)  | WLAN    | 8.10  | ± 9.6 % |
| 10115 | CAD | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)  | WLAN    | 8.46  | ± 9.6 % |
| 10116 | CAD | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN    | 8.15  | ± 9.6 % |
| 10117 | CAD | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)       | WLAN    | 8.07  | ± 9.6 % |
| 10118 | CAD | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)       | WLAN    | 8.59  | ± 9.6 % |
| 10119 | CAD | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)      | WLAN    | 8.13  | ± 9.6 % |
| 10140 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)     | LTE-FDD | 6.49  | ± 9.6 % |
| 10141 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)     | LTE-FDD | 6.53  | ± 9.6 % |
| 10142 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)        | LTE-FDD | 5.73  | ± 9.6 % |
| 10143 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)      | LTE-FDD | 6.35  | ± 9.6 % |
| 10144 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)      | LTE-FDD | 6.65  | ± 9.6 % |
| 10145 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)      | LTE-FDD | 5.76  | ± 9.6 % |
| 10146 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)    | LTE-FDD | 6.41  | ± 9.6 % |
| 10147 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)    | LTE-FDD | 6.72  | ± 9.6 % |
| 10149 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)      | LTE-FDD | 6.42  | ± 9.6 % |
| 10150 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)      | LTE-FDD | 6.60  | ± 9.6 % |
| 10151 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)        | LTE-TDD | 9.28  | ± 9.6 % |
| 10152 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)      | LTE-TDD | 9.92  | ± 9.6 % |
| 10153 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)      | LTE-TDD | 10.05 | ± 9.6 % |
| 10154 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)        | LTE-FDD | 5.75  | ± 9.6 % |
| 10155 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)      | LTE-FDD | 6.43  | ± 9.6 % |
| 10156 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         | LTE-FDD | 5.79  | ± 9.6 % |
| 10157 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)       | LTE-FDD | 6.49  | ± 9.6 % |
| 10158 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)      | LTE-FDD | 6.62  | ± 9.6 % |
| 10159 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)       | LTE-FDD | 6.56  | ± 9.6 % |
| 10160 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)        | LTE-FDD | 5.82  | ± 9.6 % |
| 10161 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)      | LTE-FDD | 6.43  | ± 9.6 % |
| 10162 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)      | LTE-FDD | 6.58  | ± 9.6 % |
| 10166 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)       | LTE-FDD | 5.46  | ± 9.6 % |
| 10167 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)     | LTE-FDD | 6.21  | ± 9.6 % |
| 10168 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)     | LTE-FDD | 6.79  | ± 9.6 % |
| 10169 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)          | LTE-FDD | 5.73  | ± 9.6 % |
| 10170 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)        | LTE-FDD | 6.52  | ± 9.6 % |
| 10171 | AAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)        | LTE-FDD | 6.49  | ± 9.6 % |
| 10172 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)          | LTE-TDD | 9.21  | ± 9.6 % |
| 10173 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)        | LTE-TDD | 9.48  | ± 9.6 % |
| 10174 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)        | LTE-TDD | 10.25 | ± 9.6 % |
| 10175 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)          | LTE-FDD | 5.72  | ± 9.6 % |
| 10176 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)        | LTE-FDD | 6.52  | ± 9.6 % |
| 10177 | CAI | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)           | LTE-FDD | 5.73  | ± 9.6 % |
| 10178 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         | LTE-FDD | 6.52  | ± 9.6 % |
| 10179 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)        | LTE-FDD | 6.50  | ± 9.6 % |
| 10180 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         | LTE-FDD | 6.50  | ± 9.6 % |
| 10181 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)          | LTE-FDD | 5.73  | ± 9.6 % |



|       |     |                                               |         |       |         |
|-------|-----|-----------------------------------------------|---------|-------|---------|
| 10182 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)       | LTE-FDD | 6.52  | ± 9.6 % |
| 10183 | AAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)       | LTE-FDD | 6.50  | ± 9.6 % |
| 10184 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)          | LTE-FDD | 5.73  | ± 9.6 % |
| 10185 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)        | LTE-FDD | 6.51  | ± 9.6 % |
| 10186 | AAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)        | LTE-FDD | 6.50  | ± 9.6 % |
| 10187 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)        | LTE-FDD | 5.73  | ± 9.6 % |
| 10188 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)      | LTE-FDD | 6.52  | ± 9.6 % |
| 10189 | AAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)      | LTE-FDD | 6.50  | ± 9.6 % |
| 10193 | CAD | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)  | WLAN    | 8.09  | ± 9.6 % |
| 10194 | CAD | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | WLAN    | 8.12  | ± 9.6 % |
| 10195 | CAD | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | WLAN    | 8.21  | ± 9.6 % |
| 10196 | CAD | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)       | WLAN    | 8.10  | ± 9.6 % |
| 10197 | CAD | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)      | WLAN    | 8.13  | ± 9.6 % |
| 10198 | CAD | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)      | WLAN    | 8.27  | ± 9.6 % |
| 10219 | CAD | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)       | WLAN    | 8.03  | ± 9.6 % |
| 10220 | CAD | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)    | WLAN    | 8.13  | ± 9.6 % |
| 10221 | CAD | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)    | WLAN    | 8.27  | ± 9.6 % |
| 10222 | CAD | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)        | WLAN    | 8.06  | ± 9.6 % |
| 10223 | CAD | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)      | WLAN    | 8.48  | ± 9.6 % |
| 10224 | CAD | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)     | WLAN    | 8.08  | ± 9.6 % |
| 10225 | CAB | UMTS-FDD (HSPA+)                              | WCDMA   | 5.97  | ± 9.6 % |
| 10226 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)      | LTE-TDD | 9.49  | ± 9.6 % |
| 10227 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)      | LTE-TDD | 10.26 | ± 9.6 % |
| 10228 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)        | LTE-TDD | 9.22  | ± 9.6 % |
| 10229 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)        | LTE-TDD | 9.48  | ± 9.6 % |
| 10230 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)        | LTE-TDD | 10.25 | ± 9.6 % |
| 10231 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)          | LTE-TDD | 9.19  | ± 9.6 % |
| 10232 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)        | LTE-TDD | 9.48  | ± 9.6 % |
| 10233 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)        | LTE-TDD | 10.25 | ± 9.6 % |
| 10234 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)          | LTE-TDD | 9.21  | ± 9.6 % |
| 10235 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)       | LTE-TDD | 9.48  | ± 9.6 % |
| 10236 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)       | LTE-TDD | 10.25 | ± 9.6 % |
| 10237 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         | LTE-TDD | 9.21  | ± 9.6 % |
| 10238 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)       | LTE-TDD | 9.48  | ± 9.6 % |
| 10239 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)       | LTE-TDD | 10.25 | ± 9.6 % |
| 10240 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         | LTE-TDD | 9.21  | ± 9.6 % |
| 10241 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)    | LTE-TDD | 9.82  | ± 9.6 % |
| 10242 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)    | LTE-TDD | 9.86  | ± 9.6 % |
| 10243 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)      | LTE-TDD | 9.46  | ± 9.6 % |
| 10244 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)      | LTE-TDD | 10.06 | ± 9.6 % |
| 10245 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)      | LTE-TDD | 10.06 | ± 9.6 % |
| 10246 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)        | LTE-TDD | 9.30  | ± 9.6 % |
| 10247 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)      | LTE-TDD | 9.91  | ± 9.6 % |
| 10248 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)      | LTE-TDD | 10.09 | ± 9.6 % |
| 10249 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)        | LTE-TDD | 9.29  | ± 9.6 % |
| 10250 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)     | LTE-TDD | 9.81  | ± 9.6 % |
| 10251 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)     | LTE-TDD | 10.17 | ± 9.6 % |
| 10252 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)       | LTE-TDD | 9.24  | ± 9.6 % |
| 10253 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)     | LTE-TDD | 9.90  | ± 9.6 % |
| 10254 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)     | LTE-TDD | 10.14 | ± 9.6 % |
| 10255 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)       | LTE-TDD | 9.20  | ± 9.6 % |
| 10256 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)   | LTE-TDD | 9.96  | ± 9.6 % |
| 10257 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)   | LTE-TDD | 10.08 | ± 9.6 % |
| 10258 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)     | LTE-TDD | 9.34  | ± 9.6 % |
| 10259 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)     | LTE-TDD | 9.98  | ± 9.6 % |
| 10260 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)     | LTE-TDD | 9.97  | ± 9.6 % |

|       |     |                                                           |          |       |         |
|-------|-----|-----------------------------------------------------------|----------|-------|---------|
| 10261 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)                   | LTE-TDD  | 9.24  | ± 9.6 % |
| 10262 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)                 | LTE-TDD  | 9.83  | ± 9.6 % |
| 10263 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)                 | LTE-TDD  | 10.16 | ± 9.6 % |
| 10264 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)                   | LTE-TDD  | 9.23  | ± 9.6 % |
| 10265 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)                | LTE-TDD  | 9.92  | ± 9.6 % |
| 10266 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)                | LTE-TDD  | 10.07 | ± 9.6 % |
| 10267 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)                  | LTE-TDD  | 9.30  | ± 9.6 % |
| 10268 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)                | LTE-TDD  | 10.06 | ± 9.6 % |
| 10269 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)                | LTE-TDD  | 10.13 | ± 9.6 % |
| 10270 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                  | LTE-TDD  | 9.58  | ± 9.6 % |
| 10274 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)                 | WCDMA    | 4.87  | ± 9.6 % |
| 10275 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)                  | WCDMA    | 3.96  | ± 9.6 % |
| 10277 | CAA | PHS (QPSK)                                                | PHS      | 11.81 | ± 9.6 % |
| 10278 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5)                        | PHS      | 11.81 | ± 9.6 % |
| 10279 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38)                       | PHS      | 12.18 | ± 9.6 % |
| 10290 | AAB | CDMA2000, RC1, SO55, Full Rate                            | CDMA2000 | 3.91  | ± 9.6 % |
| 10291 | AAB | CDMA2000, RC3, SO55, Full Rate                            | CDMA2000 | 3.46  | ± 9.6 % |
| 10292 | AAB | CDMA2000, RC3, SO32, Full Rate                            | CDMA2000 | 3.39  | ± 9.6 % |
| 10293 | AAB | CDMA2000, RC3, SO3, Full Rate                             | CDMA2000 | 3.50  | ± 9.6 % |
| 10295 | AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr.                     | CDMA2000 | 12.49 | ± 9.6 % |
| 10297 | AAD | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                   | LTE-FDD  | 5.81  | ± 9.6 % |
| 10298 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                    | LTE-FDD  | 5.72  | ± 9.6 % |
| 10299 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                  | LTE-FDD  | 6.39  | ± 9.6 % |
| 10300 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                  | LTE-FDD  | 6.60  | ± 9.6 % |
| 10301 | AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)        | WiMAX    | 12.03 | ± 9.6 % |
| 10302 | AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL) | WiMAX    | 12.57 | ± 9.6 % |
| 10303 | AAA | IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)       | WiMAX    | 12.52 | ± 9.6 % |
| 10304 | AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)       | WiMAX    | 11.86 | ± 9.6 % |
| 10305 | AAA | IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)      | WiMAX    | 15.24 | ± 9.6 % |
| 10306 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)      | WiMAX    | 14.67 | ± 9.6 % |
| 10307 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)       | WiMAX    | 14.49 | ± 9.6 % |
| 10308 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)      | WiMAX    | 14.46 | ± 9.6 % |
| 10309 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)   | WiMAX    | 14.58 | ± 9.6 % |
| 10310 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)    | WiMAX    | 14.57 | ± 9.6 % |
| 10311 | AAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                  | LTE-FDD  | 6.06  | ± 9.6 % |
| 10313 | AAA | iDEN 1:3                                                  | iDEN     | 10.51 | ± 9.6 % |
| 10314 | AAA | iDEN 1:6                                                  | iDEN     | 13.48 | ± 9.6 % |
| 10315 | AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)         | WLAN     | 1.71  | ± 9.6 % |
| 10316 | AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)     | WLAN     | 8.36  | ± 9.6 % |
| 10317 | AAD | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)           | WLAN     | 8.36  | ± 9.6 % |
| 10352 | AAA | Pulse Waveform (200Hz, 10%)                               | Generic  | 10.00 | ± 9.6 % |
| 10353 | AAA | Pulse Waveform (200Hz, 20%)                               | Generic  | 6.99  | ± 9.6 % |
| 10354 | AAA | Pulse Waveform (200Hz, 40%)                               | Generic  | 3.98  | ± 9.6 % |
| 10355 | AAA | Pulse Waveform (200Hz, 60%)                               | Generic  | 2.22  | ± 9.6 % |
| 10356 | AAA | Pulse Waveform (200Hz, 80%)                               | Generic  | 0.97  | ± 9.6 % |
| 10387 | AAA | QPSK Waveform, 1 MHz                                      | Generic  | 5.10  | ± 9.6 % |
| 10388 | AAA | QPSK Waveform, 10 MHz                                     | Generic  | 5.22  | ± 9.6 % |
| 10396 | AAA | 64-QAM Waveform, 100 kHz                                  | Generic  | 6.27  | ± 9.6 % |
| 10399 | AAA | 64-QAM Waveform, 40 MHz                                   | Generic  | 6.27  | ± 9.6 % |
| 10400 | AAE | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)               | WLAN     | 8.37  | ± 9.6 % |
| 10401 | AAE | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)               | WLAN     | 8.60  | ± 9.6 % |
| 10402 | AAE | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)               | WLAN     | 8.53  | ± 9.6 % |
| 10403 | AAB | CDMA2000 (1xEV-DO, Rev. 0)                                | CDMA2000 | 3.76  | ± 9.6 % |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A)                                | CDMA2000 | 3.77  | ± 9.6 % |
| 10406 | AAB | CDMA2000, RC3, SO32, SCH0, Full Rate                      | CDMA2000 | 5.22  | ± 9.6 % |
| 10410 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9) | LTE-TDD  | 7.82  | ± 9.6 % |

|       |     |                                                            |          |       |         |
|-------|-----|------------------------------------------------------------|----------|-------|---------|
| 10414 | AAA | WLAN CCDF, 64-QAM, 40MHz                                   | Generic  | 8.54  | ± 9.6 % |
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)          | WLAN     | 1.54  | ± 9.6 % |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)      | WLAN     | 8.23  | ± 9.6 % |
| 10417 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)          | WLAN     | 8.23  | ± 9.6 % |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)  | WLAN     | 8.14  | ± 9.6 % |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) | WLAN     | 8.19  | ± 9.6 % |
| 10422 | AAC | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)               | WLAN     | 8.32  | ± 9.6 % |
| 10423 | AAC | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)            | WLAN     | 8.47  | ± 9.6 % |
| 10424 | AAC | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)            | WLAN     | 8.40  | ± 9.6 % |
| 10425 | AAC | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                | WLAN     | 8.41  | ± 9.6 % |
| 10426 | AAC | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)              | WLAN     | 8.45  | ± 9.6 % |
| 10427 | AAC | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)             | WLAN     | 8.41  | ± 9.6 % |
| 10430 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                           | LTE-FDD  | 8.28  | ± 9.6 % |
| 10431 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                          | LTE-FDD  | 8.38  | ± 9.6 % |
| 10432 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                          | LTE-FDD  | 8.34  | ± 9.6 % |
| 10433 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                          | LTE-FDD  | 8.34  | ± 9.6 % |
| 10434 | AAA | W-CDMA (BS Test Model 1, 64 DPCH)                          | WCDMA    | 8.60  | ± 9.6 % |
| 10435 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)              | LTE-TDD  | 7.82  | ± 9.6 % |
| 10447 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)             | LTE-FDD  | 7.56  | ± 9.6 % |
| 10448 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)            | LTE-FDD  | 7.53  | ± 9.6 % |
| 10449 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)            | LTE-FDD  | 7.51  | ± 9.6 % |
| 10450 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)            | LTE-FDD  | 7.48  | ± 9.6 % |
| 10451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)            | WCDMA    | 7.59  | ± 9.6 % |
| 10453 | AAD | Validation (Square, 10ms, 1ms)                             | Test     | 10.00 | ± 9.6 % |
| 10456 | AAC | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)               | WLAN     | 8.63  | ± 9.6 % |
| 10457 | AAA | UMTS-FDD (DC-HSDPA)                                        | WCDMA    | 6.62  | ± 9.6 % |
| 10458 | AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers)                     | CDMA2000 | 6.55  | ± 9.6 % |
| 10459 | AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers)                     | CDMA2000 | 8.25  | ± 9.6 % |
| 10460 | AAA | UMTS-FDD (WCDMA, AMR)                                      | WCDMA    | 2.39  | ± 9.6 % |
| 10461 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)             | LTE-TDD  | 7.82  | ± 9.6 % |
| 10462 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)           | LTE-TDD  | 8.30  | ± 9.6 % |
| 10463 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)           | LTE-TDD  | 8.56  | ± 9.6 % |
| 10464 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)               | LTE-TDD  | 7.82  | ± 9.6 % |
| 10465 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)             | LTE-TDD  | 8.32  | ± 9.6 % |
| 10466 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)             | LTE-TDD  | 8.57  | ± 9.6 % |
| 10467 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)               | LTE-TDD  | 7.82  | ± 9.6 % |
| 10468 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)             | LTE-TDD  | 8.32  | ± 9.6 % |
| 10469 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)             | LTE-TDD  | 8.56  | ± 9.6 % |
| 10470 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)              | LTE-TDD  | 7.82  | ± 9.6 % |
| 10471 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)            | LTE-TDD  | 8.32  | ± 9.6 % |
| 10472 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)            | LTE-TDD  | 8.57  | ± 9.6 % |
| 10473 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)              | LTE-TDD  | 7.82  | ± 9.6 % |
| 10474 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)            | LTE-TDD  | 8.32  | ± 9.6 % |
| 10475 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)            | LTE-TDD  | 8.57  | ± 9.6 % |
| 10477 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)            | LTE-TDD  | 8.32  | ± 9.6 % |
| 10478 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)            | LTE-TDD  | 8.57  | ± 9.6 % |
| 10479 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)           | LTE-TDD  | 7.74  | ± 9.6 % |
| 10480 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)         | LTE-TDD  | 8.18  | ± 9.6 % |
| 10481 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)         | LTE-TDD  | 8.45  | ± 9.6 % |
| 10482 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)             | LTE-TDD  | 7.71  | ± 9.6 % |
| 10483 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)              | LTE-TDD  | 8.39  | ± 9.6 % |
| 10484 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)           | LTE-TDD  | 8.47  | ± 9.6 % |
| 10485 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)             | LTE-TDD  | 7.59  | ± 9.6 % |
| 10486 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)           | LTE-TDD  | 8.38  | ± 9.6 % |
| 10487 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)           | LTE-TDD  | 8.60  | ± 9.6 % |
| 10488 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)            | LTE-TDD  | 7.70  | ± 9.6 % |



|       |     |                                                     |         |      |         |
|-------|-----|-----------------------------------------------------|---------|------|---------|
| 10489 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.31 | ± 9.6 % |
| 10490 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.54 | ± 9.6 % |
| 10491 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)     | LTE-TDD | 7.74 | ± 9.6 % |
| 10492 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.41 | ± 9.6 % |
| 10493 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.55 | ± 9.6 % |
| 10494 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)     | LTE-TDD | 7.74 | ± 9.6 % |
| 10495 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.37 | ± 9.6 % |
| 10496 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.54 | ± 9.6 % |
| 10497 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)   | LTE-TDD | 7.67 | ± 9.6 % |
| 10498 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.40 | ± 9.6 % |
| 10499 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.68 | ± 9.6 % |
| 10500 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)     | LTE-TDD | 7.67 | ± 9.6 % |
| 10501 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.44 | ± 9.6 % |
| 10502 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.52 | ± 9.6 % |
| 10503 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)     | LTE-TDD | 7.72 | ± 9.6 % |
| 10504 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.31 | ± 9.6 % |
| 10505 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.54 | ± 9.6 % |
| 10506 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)    | LTE-TDD | 7.74 | ± 9.6 % |
| 10507 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)  | LTE-TDD | 8.36 | ± 9.6 % |
| 10508 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)  | LTE-TDD | 8.55 | ± 9.6 % |
| 10509 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)    | LTE-TDD | 7.99 | ± 9.6 % |
| 10510 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)  | LTE-TDD | 8.49 | ± 9.6 % |
| 10511 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)  | LTE-TDD | 8.51 | ± 9.6 % |
| 10512 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)    | LTE-TDD | 7.74 | ± 9.6 % |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)  | LTE-TDD | 8.42 | ± 9.6 % |
| 10514 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)  | LTE-TDD | 8.45 | ± 9.6 % |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)   | WLAN    | 1.58 | ± 9.6 % |
| 10516 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) | WLAN    | 1.57 | ± 9.6 % |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)  | WLAN    | 1.58 | ± 9.6 % |
| 10518 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)   | WLAN    | 8.23 | ± 9.6 % |
| 10519 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)  | WLAN    | 8.39 | ± 9.6 % |
| 10520 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)  | WLAN    | 8.12 | ± 9.6 % |
| 10521 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)  | WLAN    | 7.97 | ± 9.6 % |
| 10522 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)  | WLAN    | 8.45 | ± 9.6 % |
| 10523 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)  | WLAN    | 8.08 | ± 9.6 % |
| 10524 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)  | WLAN    | 8.27 | ± 9.6 % |
| 10525 | AAC | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)           | WLAN    | 8.36 | ± 9.6 % |
| 10526 | AAC | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)           | WLAN    | 8.42 | ± 9.6 % |
| 10527 | AAC | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)           | WLAN    | 8.21 | ± 9.6 % |
| 10528 | AAC | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)           | WLAN    | 8.36 | ± 9.6 % |
| 10529 | AAC | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)           | WLAN    | 8.36 | ± 9.6 % |
| 10531 | AAC | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)           | WLAN    | 8.43 | ± 9.6 % |
| 10532 | AAC | IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)           | WLAN    | 8.29 | ± 9.6 % |
| 10533 | AAC | IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)           | WLAN    | 8.38 | ± 9.6 % |
| 10534 | AAC | IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)           | WLAN    | 8.45 | ± 9.6 % |
| 10535 | AAC | IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)           | WLAN    | 8.45 | ± 9.6 % |
| 10536 | AAC | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)           | WLAN    | 8.32 | ± 9.6 % |
| 10537 | AAC | IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)           | WLAN    | 8.44 | ± 9.6 % |
| 10538 | AAC | IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)           | WLAN    | 8.54 | ± 9.6 % |
| 10540 | AAC | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)           | WLAN    | 8.39 | ± 9.6 % |
| 10541 | AAC | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)           | WLAN    | 8.46 | ± 9.6 % |
| 10542 | AAC | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)           | WLAN    | 8.65 | ± 9.6 % |
| 10543 | AAC | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)           | WLAN    | 8.65 | ± 9.6 % |
| 10544 | AAC | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)           | WLAN    | 8.47 | ± 9.6 % |
| 10545 | AAC | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)           | WLAN    | 8.55 | ± 9.6 % |
| 10546 | AAC | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)           | WLAN    | 8.35 | ± 9.6 % |

|       |     |                                                         |      |      |         |
|-------|-----|---------------------------------------------------------|------|------|---------|
| 10547 | AAC | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)               | WLAN | 8.49 | ± 9.6 % |
| 10548 | AAC | IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)               | WLAN | 8.37 | ± 9.6 % |
| 10550 | AAC | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)               | WLAN | 8.39 | ± 9.6 % |
| 10551 | AAC | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)               | WLAN | 8.50 | ± 9.6 % |
| 10552 | AAC | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)               | WLAN | 8.42 | ± 9.6 % |
| 10553 | AAC | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)               | WLAN | 8.45 | ± 9.6 % |
| 10554 | AAD | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)              | WLAN | 8.48 | ± 9.6 % |
| 10555 | AAD | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)              | WLAN | 8.47 | ± 9.6 % |
| 10556 | AAD | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)              | WLAN | 8.50 | ± 9.6 % |
| 10557 | AAD | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)              | WLAN | 8.52 | ± 9.6 % |
| 10558 | AAD | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)              | WLAN | 8.61 | ± 9.6 % |
| 10560 | AAD | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)              | WLAN | 8.73 | ± 9.6 % |
| 10561 | AAD | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)              | WLAN | 8.56 | ± 9.6 % |
| 10562 | AAD | IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)              | WLAN | 8.69 | ± 9.6 % |
| 10563 | AAD | IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)              | WLAN | 8.77 | ± 9.6 % |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)  | WLAN | 8.25 | ± 9.6 % |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) | WLAN | 8.13 | ± 9.6 % |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) | WLAN | 8.00 | ± 9.6 % |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) | WLAN | 8.10 | ± 9.6 % |
| 10570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) | WLAN | 8.30 | ± 9.6 % |
| 10571 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)       | WLAN | 1.99 | ± 9.6 % |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)       | WLAN | 1.99 | ± 9.6 % |
| 10573 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)     | WLAN | 1.98 | ± 9.6 % |
| 10574 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)      | WLAN | 1.98 | ± 9.6 % |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)  | WLAN | 8.59 | ± 9.6 % |
| 10576 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)  | WLAN | 8.60 | ± 9.6 % |
| 10577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) | WLAN | 8.35 | ± 9.6 % |
| 10582 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10583 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)       | WLAN | 8.59 | ± 9.6 % |
| 10584 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)       | WLAN | 8.60 | ± 9.6 % |
| 10585 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)      | WLAN | 8.70 | ± 9.6 % |
| 10586 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)      | WLAN | 8.49 | ± 9.6 % |
| 10587 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)      | WLAN | 8.36 | ± 9.6 % |
| 10588 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)      | WLAN | 8.76 | ± 9.6 % |
| 10589 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)      | WLAN | 8.35 | ± 9.6 % |
| 10590 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)      | WLAN | 8.67 | ± 9.6 % |
| 10591 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)           | WLAN | 8.63 | ± 9.6 % |
| 10592 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)           | WLAN | 8.79 | ± 9.6 % |
| 10593 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)           | WLAN | 8.64 | ± 9.6 % |
| 10594 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)           | WLAN | 8.74 | ± 9.6 % |
| 10595 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)           | WLAN | 8.74 | ± 9.6 % |
| 10596 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)           | WLAN | 8.71 | ± 9.6 % |
| 10597 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)           | WLAN | 8.72 | ± 9.6 % |
| 10598 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)           | WLAN | 8.50 | ± 9.6 % |
| 10599 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)           | WLAN | 8.79 | ± 9.6 % |
| 10600 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)           | WLAN | 8.88 | ± 9.6 % |
| 10601 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)           | WLAN | 8.82 | ± 9.6 % |
| 10602 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)           | WLAN | 8.94 | ± 9.6 % |
| 10603 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)           | WLAN | 9.03 | ± 9.6 % |
| 10604 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)           | WLAN | 8.76 | ± 9.6 % |

|       |     |                                                   |           |       |         |
|-------|-----|---------------------------------------------------|-----------|-------|---------|
| 10605 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)     | WLAN      | 8.97  | ± 9.6 % |
| 10606 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)     | WLAN      | 8.82  | ± 9.6 % |
| 10607 | AAC | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)         | WLAN      | 8.64  | ± 9.6 % |
| 10608 | AAC | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)         | WLAN      | 8.77  | ± 9.6 % |
| 10609 | AAC | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)         | WLAN      | 8.57  | ± 9.6 % |
| 10610 | AAC | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)         | WLAN      | 8.78  | ± 9.6 % |
| 10611 | AAC | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)         | WLAN      | 8.70  | ± 9.6 % |
| 10612 | AAC | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)         | WLAN      | 8.77  | ± 9.6 % |
| 10613 | AAC | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)         | WLAN      | 8.94  | ± 9.6 % |
| 10614 | AAC | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)         | WLAN      | 8.59  | ± 9.6 % |
| 10615 | AAC | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)         | WLAN      | 8.82  | ± 9.6 % |
| 10616 | AAC | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)         | WLAN      | 8.82  | ± 9.6 % |
| 10617 | AAC | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)         | WLAN      | 8.81  | ± 9.6 % |
| 10618 | AAC | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)         | WLAN      | 8.58  | ± 9.6 % |
| 10619 | AAC | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)         | WLAN      | 8.86  | ± 9.6 % |
| 10620 | AAC | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)         | WLAN      | 8.87  | ± 9.6 % |
| 10621 | AAC | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)         | WLAN      | 8.77  | ± 9.6 % |
| 10622 | AAC | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)         | WLAN      | 8.68  | ± 9.6 % |
| 10623 | AAC | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)         | WLAN      | 8.82  | ± 9.6 % |
| 10624 | AAC | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)         | WLAN      | 8.96  | ± 9.6 % |
| 10625 | AAC | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)         | WLAN      | 8.96  | ± 9.6 % |
| 10626 | AAC | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)         | WLAN      | 8.83  | ± 9.6 % |
| 10627 | AAC | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)         | WLAN      | 8.88  | ± 9.6 % |
| 10628 | AAC | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)         | WLAN      | 8.71  | ± 9.6 % |
| 10629 | AAC | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)         | WLAN      | 8.85  | ± 9.6 % |
| 10630 | AAC | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)         | WLAN      | 8.72  | ± 9.6 % |
| 10631 | AAC | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)         | WLAN      | 8.81  | ± 9.6 % |
| 10632 | AAC | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)         | WLAN      | 8.74  | ± 9.6 % |
| 10633 | AAC | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)         | WLAN      | 8.83  | ± 9.6 % |
| 10634 | AAC | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)         | WLAN      | 8.80  | ± 9.6 % |
| 10635 | AAC | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)         | WLAN      | 8.81  | ± 9.6 % |
| 10636 | AAD | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)        | WLAN      | 8.83  | ± 9.6 % |
| 10637 | AAD | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)        | WLAN      | 8.79  | ± 9.6 % |
| 10638 | AAD | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)        | WLAN      | 8.86  | ± 9.6 % |
| 10639 | AAD | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)        | WLAN      | 8.85  | ± 9.6 % |
| 10640 | AAD | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)        | WLAN      | 8.98  | ± 9.6 % |
| 10641 | AAD | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)        | WLAN      | 9.06  | ± 9.6 % |
| 10642 | AAD | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)        | WLAN      | 9.06  | ± 9.6 % |
| 10643 | AAD | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)        | WLAN      | 8.89  | ± 9.6 % |
| 10644 | AAD | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)        | WLAN      | 9.05  | ± 9.6 % |
| 10645 | AAD | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)        | WLAN      | 9.11  | ± 9.6 % |
| 10646 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)  | LTE-TDD   | 11.96 | ± 9.6 % |
| 10647 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) | LTE-TDD   | 11.96 | ± 9.6 % |
| 10648 | AAA | CDMA2000 (1x Advanced)                            | CDMA2000  | 3.45  | ± 9.6 % |
| 10652 | AAE | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)    | LTE-TDD   | 6.91  | ± 9.6 % |
| 10653 | AAE | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)   | LTE-TDD   | 7.42  | ± 9.6 % |
| 10654 | AAD | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)   | LTE-TDD   | 6.96  | ± 9.6 % |
| 10655 | AAE | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   | LTE-TDD   | 7.21  | ± 9.6 % |
| 10658 | AAA | Pulse Waveform (200Hz, 10%)                       | Test      | 10.00 | ± 9.6 % |
| 10659 | AAA | Pulse Waveform (200Hz, 20%)                       | Test      | 6.99  | ± 9.6 % |
| 10660 | AAA | Pulse Waveform (200Hz, 40%)                       | Test      | 3.98  | ± 9.6 % |
| 10661 | AAA | Pulse Waveform (200Hz, 60%)                       | Test      | 2.22  | ± 9.6 % |
| 10662 | AAA | Pulse Waveform (200Hz, 80%)                       | Test      | 0.97  | ± 9.6 % |
| 10670 | AAA | Bluetooth Low Energy                              | Bluetooth | 2.19  | ± 9.6 % |
| 10671 | AAC | IEEE 802.11ax (20MHz, MCS0, 90pc dc)              | WLAN      | 9.09  | ± 9.6 % |
| 10672 | AAC | IEEE 802.11ax (20MHz, MCS1, 90pc dc)              | WLAN      | 8.57  | ± 9.6 % |



|       |     |                                       |      |      |         |
|-------|-----|---------------------------------------|------|------|---------|
| 10673 | AAC | IEEE 802.11ax (20MHz, MCS2, 90pc dc)  | WLAN | 8.78 | ± 9.6 % |
| 10674 | AAC | IEEE 802.11ax (20MHz, MCS3, 90pc dc)  | WLAN | 8.74 | ± 9.6 % |
| 10675 | AAC | IEEE 802.11ax (20MHz, MCS4, 90pc dc)  | WLAN | 8.90 | ± 9.6 % |
| 10676 | AAC | IEEE 802.11ax (20MHz, MCS5, 90pc dc)  | WLAN | 8.77 | ± 9.6 % |
| 10677 | AAC | IEEE 802.11ax (20MHz, MCS6, 90pc dc)  | WLAN | 8.73 | ± 9.6 % |
| 10678 | AAC | IEEE 802.11ax (20MHz, MCS7, 90pc dc)  | WLAN | 8.78 | ± 9.6 % |
| 10679 | AAC | IEEE 802.11ax (20MHz, MCS8, 90pc dc)  | WLAN | 8.89 | ± 9.6 % |
| 10680 | AAC | IEEE 802.11ax (20MHz, MCS9, 90pc dc)  | WLAN | 8.80 | ± 9.6 % |
| 10681 | AAC | IEEE 802.11ax (20MHz, MCS10, 90pc dc) | WLAN | 8.62 | ± 9.6 % |
| 10682 | AAC | IEEE 802.11ax (20MHz, MCS11, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10683 | AAC | IEEE 802.11ax (20MHz, MCS0, 99pc dc)  | WLAN | 8.42 | ± 9.6 % |
| 10684 | AAC | IEEE 802.11ax (20MHz, MCS1, 99pc dc)  | WLAN | 8.26 | ± 9.6 % |
| 10685 | AAC | IEEE 802.11ax (20MHz, MCS2, 99pc dc)  | WLAN | 8.33 | ± 9.6 % |
| 10686 | AAC | IEEE 802.11ax (20MHz, MCS3, 99pc dc)  | WLAN | 8.28 | ± 9.6 % |
| 10687 | AAC | IEEE 802.11ax (20MHz, MCS4, 99pc dc)  | WLAN | 8.45 | ± 9.6 % |
| 10688 | AAC | IEEE 802.11ax (20MHz, MCS5, 99pc dc)  | WLAN | 8.29 | ± 9.6 % |
| 10689 | AAC | IEEE 802.11ax (20MHz, MCS6, 99pc dc)  | WLAN | 8.55 | ± 9.6 % |
| 10690 | AAC | IEEE 802.11ax (20MHz, MCS7, 99pc dc)  | WLAN | 8.29 | ± 9.6 % |
| 10691 | AAC | IEEE 802.11ax (20MHz, MCS8, 99pc dc)  | WLAN | 8.25 | ± 9.6 % |
| 10692 | AAC | IEEE 802.11ax (20MHz, MCS9, 99pc dc)  | WLAN | 8.29 | ± 9.6 % |
| 10693 | AAC | IEEE 802.11ax (20MHz, MCS10, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10694 | AAC | IEEE 802.11ax (20MHz, MCS11, 99pc dc) | WLAN | 8.57 | ± 9.6 % |
| 10695 | AAC | IEEE 802.11ax (40MHz, MCS0, 90pc dc)  | WLAN | 8.78 | ± 9.6 % |
| 10696 | AAC | IEEE 802.11ax (40MHz, MCS1, 90pc dc)  | WLAN | 8.91 | ± 9.6 % |
| 10697 | AAC | IEEE 802.11ax (40MHz, MCS2, 90pc dc)  | WLAN | 8.61 | ± 9.6 % |
| 10698 | AAC | IEEE 802.11ax (40MHz, MCS3, 90pc dc)  | WLAN | 8.89 | ± 9.6 % |
| 10699 | AAC | IEEE 802.11ax (40MHz, MCS4, 90pc dc)  | WLAN | 8.82 | ± 9.6 % |
| 10700 | AAC | IEEE 802.11ax (40MHz, MCS5, 90pc dc)  | WLAN | 8.73 | ± 9.6 % |
| 10701 | AAC | IEEE 802.11ax (40MHz, MCS6, 90pc dc)  | WLAN | 8.86 | ± 9.6 % |
| 10702 | AAC | IEEE 802.11ax (40MHz, MCS7, 90pc dc)  | WLAN | 8.70 | ± 9.6 % |
| 10703 | AAC | IEEE 802.11ax (40MHz, MCS8, 90pc dc)  | WLAN | 8.82 | ± 9.6 % |
| 10704 | AAC | IEEE 802.11ax (40MHz, MCS9, 90pc dc)  | WLAN | 8.56 | ± 9.6 % |
| 10705 | AAC | IEEE 802.11ax (40MHz, MCS10, 90pc dc) | WLAN | 8.69 | ± 9.6 % |
| 10706 | AAC | IEEE 802.11ax (40MHz, MCS11, 90pc dc) | WLAN | 8.66 | ± 9.6 % |
| 10707 | AAC | IEEE 802.11ax (40MHz, MCS0, 99pc dc)  | WLAN | 8.32 | ± 9.6 % |
| 10708 | AAC | IEEE 802.11ax (40MHz, MCS1, 99pc dc)  | WLAN | 8.55 | ± 9.6 % |
| 10709 | AAC | IEEE 802.11ax (40MHz, MCS2, 99pc dc)  | WLAN | 8.33 | ± 9.6 % |
| 10710 | AAC | IEEE 802.11ax (40MHz, MCS3, 99pc dc)  | WLAN | 8.29 | ± 9.6 % |
| 10711 | AAC | IEEE 802.11ax (40MHz, MCS4, 99pc dc)  | WLAN | 8.39 | ± 9.6 % |
| 10712 | AAC | IEEE 802.11ax (40MHz, MCS5, 99pc dc)  | WLAN | 8.67 | ± 9.6 % |
| 10713 | AAC | IEEE 802.11ax (40MHz, MCS6, 99pc dc)  | WLAN | 8.33 | ± 9.6 % |
| 10714 | AAC | IEEE 802.11ax (40MHz, MCS7, 99pc dc)  | WLAN | 8.26 | ± 9.6 % |
| 10715 | AAC | IEEE 802.11ax (40MHz, MCS8, 99pc dc)  | WLAN | 8.45 | ± 9.6 % |
| 10716 | AAC | IEEE 802.11ax (40MHz, MCS9, 99pc dc)  | WLAN | 8.30 | ± 9.6 % |
| 10717 | AAC | IEEE 802.11ax (40MHz, MCS10, 99pc dc) | WLAN | 8.48 | ± 9.6 % |
| 10718 | AAC | IEEE 802.11ax (40MHz, MCS11, 99pc dc) | WLAN | 8.24 | ± 9.6 % |
| 10719 | AAC | IEEE 802.11ax (80MHz, MCS0, 90pc dc)  | WLAN | 8.81 | ± 9.6 % |
| 10720 | AAC | IEEE 802.11ax (80MHz, MCS1, 90pc dc)  | WLAN | 8.87 | ± 9.6 % |
| 10721 | AAC | IEEE 802.11ax (80MHz, MCS2, 90pc dc)  | WLAN | 8.76 | ± 9.6 % |
| 10722 | AAC | IEEE 802.11ax (80MHz, MCS3, 90pc dc)  | WLAN | 8.55 | ± 9.6 % |
| 10723 | AAC | IEEE 802.11ax (80MHz, MCS4, 90pc dc)  | WLAN | 8.70 | ± 9.6 % |
| 10724 | AAC | IEEE 802.11ax (80MHz, MCS5, 90pc dc)  | WLAN | 8.90 | ± 9.6 % |
| 10725 | AAC | IEEE 802.11ax (80MHz, MCS6, 90pc dc)  | WLAN | 8.74 | ± 9.6 % |
| 10726 | AAC | IEEE 802.11ax (80MHz, MCS7, 90pc dc)  | WLAN | 8.72 | ± 9.6 % |
| 10727 | AAC | IEEE 802.11ax (80MHz, MCS8, 90pc dc)  | WLAN | 8.66 | ± 9.6 % |
| 10728 | AAC | IEEE 802.11ax (80MHz, MCS9, 90pc dc)  | WLAN | 8.65 | ± 9.6 % |

|       |     |                                                |               |      |         |
|-------|-----|------------------------------------------------|---------------|------|---------|
| 10729 | AAC | IEEE 802.11ax (80MHz, MCS10, 90pc dc)          | WLAN          | 8.64 | ± 9.6 % |
| 10730 | AAC | IEEE 802.11ax (80MHz, MCS11, 90pc dc)          | WLAN          | 8.67 | ± 9.6 % |
| 10731 | AAC | IEEE 802.11ax (80MHz, MCS0, 99pc dc)           | WLAN          | 8.42 | ± 9.6 % |
| 10732 | AAC | IEEE 802.11ax (80MHz, MCS1, 99pc dc)           | WLAN          | 8.46 | ± 9.6 % |
| 10733 | AAC | IEEE 802.11ax (80MHz, MCS2, 99pc dc)           | WLAN          | 8.40 | ± 9.6 % |
| 10734 | AAC | IEEE 802.11ax (80MHz, MCS3, 99pc dc)           | WLAN          | 8.25 | ± 9.6 % |
| 10735 | AAC | IEEE 802.11ax (80MHz, MCS4, 99pc dc)           | WLAN          | 8.33 | ± 9.6 % |
| 10736 | AAC | IEEE 802.11ax (80MHz, MCS5, 99pc dc)           | WLAN          | 8.27 | ± 9.6 % |
| 10737 | AAC | IEEE 802.11ax (80MHz, MCS6, 99pc dc)           | WLAN          | 8.36 | ± 9.6 % |
| 10738 | AAC | IEEE 802.11ax (80MHz, MCS7, 99pc dc)           | WLAN          | 8.42 | ± 9.6 % |
| 10739 | AAC | IEEE 802.11ax (80MHz, MCS8, 99pc dc)           | WLAN          | 8.29 | ± 9.6 % |
| 10740 | AAC | IEEE 802.11ax (80MHz, MCS9, 99pc dc)           | WLAN          | 8.48 | ± 9.6 % |
| 10741 | AAC | IEEE 802.11ax (80MHz, MCS10, 99pc dc)          | WLAN          | 8.40 | ± 9.6 % |
| 10742 | AAC | IEEE 802.11ax (80MHz, MCS11, 99pc dc)          | WLAN          | 8.43 | ± 9.6 % |
| 10743 | AAC | IEEE 802.11ax (160MHz, MCS0, 90pc dc)          | WLAN          | 8.94 | ± 9.6 % |
| 10744 | AAC | IEEE 802.11ax (160MHz, MCS1, 90pc dc)          | WLAN          | 9.16 | ± 9.6 % |
| 10745 | AAC | IEEE 802.11ax (160MHz, MCS2, 90pc dc)          | WLAN          | 8.93 | ± 9.6 % |
| 10746 | AAC | IEEE 802.11ax (160MHz, MCS3, 90pc dc)          | WLAN          | 9.11 | ± 9.6 % |
| 10747 | AAC | IEEE 802.11ax (160MHz, MCS4, 90pc dc)          | WLAN          | 9.04 | ± 9.6 % |
| 10748 | AAC | IEEE 802.11ax (160MHz, MCS5, 90pc dc)          | WLAN          | 8.93 | ± 9.6 % |
| 10749 | AAC | IEEE 802.11ax (160MHz, MCS6, 90pc dc)          | WLAN          | 8.90 | ± 9.6 % |
| 10750 | AAC | IEEE 802.11ax (160MHz, MCS7, 90pc dc)          | WLAN          | 8.79 | ± 9.6 % |
| 10751 | AAC | IEEE 802.11ax (160MHz, MCS8, 90pc dc)          | WLAN          | 8.82 | ± 9.6 % |
| 10752 | AAC | IEEE 802.11ax (160MHz, MCS9, 90pc dc)          | WLAN          | 8.81 | ± 9.6 % |
| 10753 | AAC | IEEE 802.11ax (160MHz, MCS10, 90pc dc)         | WLAN          | 9.00 | ± 9.6 % |
| 10754 | AAC | IEEE 802.11ax (160MHz, MCS11, 90pc dc)         | WLAN          | 8.94 | ± 9.6 % |
| 10755 | AAC | IEEE 802.11ax (160MHz, MCS0, 99pc dc)          | WLAN          | 8.64 | ± 9.6 % |
| 10756 | AAC | IEEE 802.11ax (160MHz, MCS1, 99pc dc)          | WLAN          | 8.77 | ± 9.6 % |
| 10757 | AAC | IEEE 802.11ax (160MHz, MCS2, 99pc dc)          | WLAN          | 8.77 | ± 9.6 % |
| 10758 | AAC | IEEE 802.11ax (160MHz, MCS3, 99pc dc)          | WLAN          | 8.69 | ± 9.6 % |
| 10759 | AAC | IEEE 802.11ax (160MHz, MCS4, 99pc dc)          | WLAN          | 8.58 | ± 9.6 % |
| 10760 | AAC | IEEE 802.11ax (160MHz, MCS5, 99pc dc)          | WLAN          | 8.49 | ± 9.6 % |
| 10761 | AAC | IEEE 802.11ax (160MHz, MCS6, 99pc dc)          | WLAN          | 8.58 | ± 9.6 % |
| 10762 | AAC | IEEE 802.11ax (160MHz, MCS7, 99pc dc)          | WLAN          | 8.49 | ± 9.6 % |
| 10763 | AAC | IEEE 802.11ax (160MHz, MCS8, 99pc dc)          | WLAN          | 8.53 | ± 9.6 % |
| 10764 | AAC | IEEE 802.11ax (160MHz, MCS9, 99pc dc)          | WLAN          | 8.54 | ± 9.6 % |
| 10765 | AAC | IEEE 802.11ax (160MHz, MCS10, 99pc dc)         | WLAN          | 8.54 | ± 9.6 % |
| 10766 | AAC | IEEE 802.11ax (160MHz, MCS11, 99pc dc)         | WLAN          | 8.51 | ± 9.6 % |
| 10767 | AAE | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 7.99 | ± 9.6 % |
| 10768 | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10769 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10770 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10771 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10772 | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.23 | ± 9.6 % |
| 10773 | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.03 | ± 9.6 % |
| 10774 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10775 | AAD | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.31 | ± 9.6 % |
| 10776 | AAD | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10777 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10778 | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10780 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10781 | AAD | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10782 | AAD | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10783 | AAE | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.31 | ± 9.6 % |
| 10784 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.29 | ± 9.6 % |



|       |     |                                                 |               |      |         |
|-------|-----|-------------------------------------------------|---------------|------|---------|
| 10785 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10786 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10787 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.44 | ± 9.6 % |
| 10788 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10789 | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10790 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10791 | AAE | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 7.83 | ± 9.6 % |
| 10792 | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.92 | ± 9.6 % |
| 10793 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.95 | ± 9.6 % |
| 10794 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.82 | ± 9.6 % |
| 10795 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.84 | ± 9.6 % |
| 10796 | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.82 | ± 9.6 % |
| 10797 | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10798 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10799 | AAD | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.93 | ± 9.6 % |
| 10801 | AAD | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10802 | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.87 | ± 9.6 % |
| 10803 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.93 | ± 9.6 % |
| 10805 | AAD | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10806 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10809 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10810 | AAD | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10812 | AAD | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10817 | AAE | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10818 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10819 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.33 | ± 9.6 % |
| 10820 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10821 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10822 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10823 | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10824 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10825 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10827 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10828 | AAD | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10829 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10830 | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)     | 5G NR FR1 TDD | 7.63 | ± 9.6 % |
| 10831 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)     | 5G NR FR1 TDD | 7.73 | ± 9.6 % |
| 10832 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)     | 5G NR FR1 TDD | 7.74 | ± 9.6 % |
| 10833 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)     | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10834 | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)     | 5G NR FR1 TDD | 7.75 | ± 9.6 % |
| 10835 | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)     | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10836 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)     | 5G NR FR1 TDD | 7.66 | ± 9.6 % |
| 10837 | AAD | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)     | 5G NR FR1 TDD | 7.68 | ± 9.6 % |
| 10839 | AAD | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)     | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10840 | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)     | 5G NR FR1 TDD | 7.67 | ± 9.6 % |
| 10841 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)    | 5G NR FR1 TDD | 7.71 | ± 9.6 % |
| 10843 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.49 | ± 9.6 % |
| 10844 | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10846 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10854 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10855 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10856 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10857 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10858 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10859 | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10860 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.41 | ± 9.6 % |



|       |     |                                                      |               |      |         |
|-------|-----|------------------------------------------------------|---------------|------|---------|
| 10861 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10863 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10864 | AAD | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10865 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)      | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10866 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10868 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.89 | ± 9.6 % |
| 10869 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)  | 5G NR FR2 TDD | 5.86 | ± 9.6 % |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52 | ± 9.6 % |
| 10873 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| 10874 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)        | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 8.39 | ± 9.6 % |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       | 5G NR FR2 TDD | 7.95 | ± 9.6 % |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)       | 5G NR FR2 TDD | 8.12 | ± 9.6 % |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 8.38 | ± 9.6 % |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)   | 5G NR FR2 TDD | 5.96 | ± 9.6 % |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 6.57 | ± 9.6 % |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 6.53 | ± 9.6 % |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)  | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 8.35 | ± 9.6 % |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)        | 5G NR FR2 TDD | 8.02 | ± 9.6 % |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 8.40 | ± 9.6 % |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)        | 5G NR FR2 TDD | 8.13 | ± 9.6 % |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10897 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD | 5.66 | ± 9.6 % |
| 10898 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10899 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10900 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10901 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10902 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10903 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10904 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10905 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10906 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10907 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.78 | ± 9.6 % |
| 10908 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10909 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.96 | ± 9.6 % |
| 10910 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10911 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10912 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10913 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10914 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.85 | ± 9.6 % |
| 10915 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10916 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10917 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10918 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10919 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10920 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10921 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10922 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.82 | ± 9.6 % |

|       |     |                                                     |               |       |         |
|-------|-----|-----------------------------------------------------|---------------|-------|---------|
| 10923 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84  | ± 9.6 % |
| 10924 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84  | ± 9.6 % |
| 10925 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.95  | ± 9.6 % |
| 10926 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84  | ± 9.6 % |
| 10927 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94  | ± 9.6 % |
| 10928 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)       | 5G NR FR1 FDD | 5.52  | ± 9.6 % |
| 10929 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52  | ± 9.6 % |
| 10930 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52  | ± 9.6 % |
| 10931 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10932 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10933 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10934 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10935 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10936 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.90  | ± 9.6 % |
| 10937 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.77  | ± 9.6 % |
| 10938 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.90  | ± 9.6 % |
| 10939 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.82  | ± 9.6 % |
| 10940 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.89  | ± 9.6 % |
| 10941 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.83  | ± 9.6 % |
| 10942 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.85  | ± 9.6 % |
| 10943 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.95  | ± 9.6 % |
| 10944 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.81  | ± 9.6 % |
| 10945 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.85  | ± 9.6 % |
| 10946 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.83  | ± 9.6 % |
| 10947 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87  | ± 9.6 % |
| 10948 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94  | ± 9.6 % |
| 10949 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87  | ± 9.6 % |
| 10950 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94  | ± 9.6 % |
| 10951 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.92  | ± 9.6 % |
| 10952 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 FDD | 8.25  | ± 9.6 % |
| 10953 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.15  | ± 9.6 % |
| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.23  | ± 9.6 % |
| 10955 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.42  | ± 9.6 % |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 FDD | 8.14  | ± 9.6 % |
| 10957 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.31  | ± 9.6 % |
| 10958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.61  | ± 9.6 % |
| 10959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.33  | ± 9.6 % |
| 10960 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 TDD | 9.32  | ± 9.6 % |
| 10961 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.36  | ± 9.6 % |
| 10962 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.40  | ± 9.6 % |
| 10963 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.55  | ± 9.6 % |
| 10964 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.29  | ± 9.6 % |
| 10965 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.37  | ± 9.6 % |
| 10966 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.55  | ± 9.6 % |
| 10967 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.42  | ± 9.6 % |
| 10968 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49  | ± 9.6 % |
| 10972 | AAB | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         | 5G NR FR1 TDD | 11.59 | ± 9.6 % |
| 10973 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 9.06  | ± 9.6 % |
| 10974 | AAB | 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)  | 5G NR FR1 TDD | 10.28 | ± 9.6 % |
| 10978 | AAA | ULLA BDR                                            | ULLA          | 2.23  | ± 9.6 % |
| 10979 | AAA | ULLA HDR4                                           | ULLA          | 7.02  | ± 9.6 % |
| 10980 | AAA | ULLA HDR8                                           | ULLA          | 8.82  | ± 9.6 % |
| 10981 | AAA | ULLA HDRp4                                          | ULLA          | 1.50  | ± 9.6 % |
| 10982 | AAA | ULLA HDRp8                                          | ULLA          | 1.44  | ± 9.6 % |

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



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***Appendix E. Conducted RF Output Power Table***

The detailed power table are shown as follows.



# Full Power Mode for WWAN

| GSM850          | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| TX Channel      | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| Frequency (MHz) | 221.2                     | 826.4 | 813.8 |                     | 221.2                     | 826.4 | 813.8 |                     |
| GSM 1 Tx slot   | 32.23                     | 32.28 | 32.25 | 33.50               | 23.23                     | 23.28 | 23.25 | 24.50               |
| GPRS 1 Tx slot  | 32.15                     | 32.23 | 32.18 | 33.50               | 23.15                     | 23.23 | 23.18 | 24.50               |
| GPRS 2 Tx slots | 31.52                     | 31.57 | 31.43 | 32.50               | 25.52                     | 25.57 | 25.43 | 26.50               |
| GPRS 3 Tx slots | 29.88                     | 29.97 | 29.81 | 31.00               | 25.62                     | 25.71 | 25.55 | 26.74               |
| GPRS 4 Tx slots | 28.72                     | 28.82 | 28.67 | 30.00               | 25.72                     | 25.82 | 25.67 | 27.00               |
| EDGE 1 Tx slot  | 26.17                     | 26.34 | 26.12 | 27.50               | 17.17                     | 17.34 | 17.12 | 18.50               |
| EDGE 2 Tx slots | 24.78                     | 24.96 | 24.97 | 26.00               | 18.78                     | 18.96 | 18.97 | 20.00               |
| EDGE 3 Tx slots | 22.47                     | 22.53 | 22.52 | 24.00               | 18.21                     | 18.27 | 18.26 | 19.74               |
| EDGE 4 Tx slots | 21.07                     | 21.24 | 21.07 | 22.50               | 18.07                     | 18.24 | 18.07 | 19.50               |

| Band            | WCDMA V                 |       |       | Tune-up Limit (dBm) |
|-----------------|-------------------------|-------|-------|---------------------|
| TX Channel      | 4132                    | 4182  | 4233  |                     |
| Rx Channel      | 4357                    | 4407  | 4458  |                     |
| Frequency (MHz) | 826.4                   | 836.4 | 846.6 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps            | 23.28 | 23.29 | 23.08               |
| 3GPP Rel 99     | RMC 12.2Kbps            | 23.26 | 23.34 | 23.23               |
| 3GPP Rel 6      | HSDPA Subtest-1         | 22.16 | 22.44 | 22.11               |
| 3GPP Rel 6      | HSDPA Subtest-2         | 22.52 | 22.52 | 22.40               |
| 3GPP Rel 6      | HSDPA Subtest-3         | 21.84 | 22.18 | 21.94               |
| 3GPP Rel 6      | HSDPA Subtest-4         | 21.79 | 22.19 | 21.95               |
| 3GPP Rel 8      | DC-HSDPA Subtest-1      | 22.45 | 22.43 | 22.36               |
| 3GPP Rel 8      | DC-HSDPA Subtest-2      | 22.12 | 22.47 | 22.42               |
| 3GPP Rel 8      | DC-HSDPA Subtest-3      | 22.06 | 21.91 | 21.81               |
| 3GPP Rel 8      | DC-HSDPA Subtest-4      | 21.88 | 21.90 | 21.95               |
| 3GPP Rel 6      | HSUPA Subtest-1         | 22.06 | 22.47 | 22.20               |
| 3GPP Rel 6      | HSUPA Subtest-2         | 20.43 | 20.31 | 20.26               |
| 3GPP Rel 6      | HSUPA Subtest-3         | 21.40 | 21.61 | 21.53               |
| 3GPP Rel 6      | HSUPA Subtest-4         | 20.29 | 20.55 | 20.56               |
| 3GPP Rel 6      | HSUPA Subtest-5         | 22.60 | 22.55 | 22.54               |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 20.04 | 19.96 | 19.98               |



| Band 5          |            |         |           |                       |                          |                        |                     |          |   |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |   |  |
| Channel         |            |         |           | 20400                 | 20525                    | 20600                  |                     |          |   |  |
| Frequency (MHz) |            |         |           | 829                   | 836                      | 844                    |                     |          |   |  |
| 10              | QPSK       | 1       | 0         | 23.20                 | 23.24                    | 23.19                  | 24                  | 0        |   |  |
| 10              | QPSK       | 1       | 25        | 23.03                 | 23.21                    | 23.17                  |                     |          |   |  |
| 10              | QPSK       | 1       | 49        | 22.99                 | 23.12                    | 22.96                  |                     |          |   |  |
| 10              | QPSK       | 25      | 0         | 22.19                 | 22.34                    | 22.29                  |                     |          |   |  |
| 10              | QPSK       | 25      | 12        | 22.29                 | 22.30                    | 22.23                  | 23                  | 1        |   |  |
| 10              | QPSK       | 25      | 25        | 22.09                 | 22.21                    | 22.15                  |                     |          |   |  |
| 10              | QPSK       | 50      | 0         | 22.23                 | 22.29                    | 22.15                  |                     |          |   |  |
| 10              | 16QAM      | 1       | 0         | 22.02                 | 22.14                    | 21.97                  |                     |          |   |  |
| 10              | 16QAM      | 1       | 25        | 22.00                 | 22.18                    | 22.06                  | 23                  | 1        |   |  |
| 10              | 16QAM      | 1       | 49        | 21.97                 | 22.01                    | 22.01                  |                     |          |   |  |
| 10              | 16QAM      | 25      | 0         | 21.11                 | 21.25                    | 21.07                  |                     |          |   |  |
| 10              | 16QAM      | 25      | 12        | 21.27                 | 21.29                    | 21.08                  |                     |          |   |  |
| 10              | 16QAM      | 25      | 25        | 21.19                 | 21.32                    | 21.16                  | 22                  | 2        |   |  |
| 10              | 16QAM      | 50      | 0         | 21.33                 | 21.35                    | 21.31                  |                     |          |   |  |
| 10              | 64QAM      | 1       | 0         | 21.06                 | 21.13                    | 20.93                  |                     |          |   |  |
| 10              | 64QAM      | 1       | 25        | 21.12                 | 21.11                    | 21.03                  |                     |          |   |  |
| 10              | 64QAM      | 1       | 49        | 20.88                 | 21.02                    | 20.92                  | 22                  | 2        |   |  |
| 10              | 64QAM      | 25      | 0         | 20.05                 | 20.26                    | 20.22                  |                     |          |   |  |
| 10              | 64QAM      | 25      | 12        | 20.18                 | 20.34                    | 20.20                  |                     |          |   |  |
| 10              | 64QAM      | 25      | 25        | 20.17                 | 20.21                    | 20.19                  |                     |          |   |  |
| 10              | 64QAM      | 50      | 0         | 20.20                 | 20.28                    | 20.22                  | 21                  | 3        |   |  |
| Channel         |            |         |           | 20425                 | 20525                    | 20525                  |                     |          |   |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |   |  |
| 5               | QPSK       | 1       | 0         | 23.12                 | 23.15                    | 22.97                  | 24                  | 0        |   |  |
| 5               | QPSK       | 1       | 12        | 22.89                 | 23.19                    | 23.18                  |                     |          |   |  |
| 5               | QPSK       | 1       | 24        | 22.99                 | 23.00                    | 22.92                  |                     |          |   |  |
| 5               | QPSK       | 12      | 0         | 22.15                 | 22.26                    | 22.10                  |                     |          |   |  |
| 5               | QPSK       | 12      | 7         | 22.03                 | 22.20                    | 22.11                  | 23                  | 1        |   |  |
| 5               | QPSK       | 12      | 13        | 22.00                 | 22.21                    | 22.11                  |                     |          |   |  |
| 5               | QPSK       | 25      | 0         | 22.19                 | 22.13                    | 22.06                  |                     |          |   |  |
| 5               | 16QAM      | 1       | 0         | 21.93                 | 22.05                    | 21.89                  |                     |          |   |  |
| 5               | 16QAM      | 1       | 12        | 21.85                 | 22.19                    | 22.04                  | 23                  | 1        |   |  |
| 5               | 16QAM      | 1       | 24        | 21.96                 | 21.97                    | 21.88                  |                     |          |   |  |
| 5               | 16QAM      | 12      | 0         | 20.96                 | 21.19                    | 20.98                  |                     |          |   |  |
| 5               | 16QAM      | 12      | 7         | 21.11                 | 21.30                    | 21.07                  |                     |          |   |  |
| 5               | 16QAM      | 12      | 13        | 21.15                 | 21.30                    | 21.10                  | 22                  | 2        |   |  |
| 5               | 16QAM      | 25      | 0         | 21.19                 | 21.24                    | 21.16                  |                     |          |   |  |
| 5               | 64QAM      | 1       | 0         | 21.08                 | 21.00                    | 20.85                  |                     |          |   |  |
| 5               | 64QAM      | 1       | 12        | 20.99                 | 20.97                    | 20.89                  |                     |          |   |  |
| 5               | 64QAM      | 1       | 24        | 20.86                 | 20.94                    | 20.88                  | 22                  | 2        |   |  |
| 5               | 64QAM      | 12      | 0         | 19.95                 | 20.26                    | 20.14                  |                     |          |   |  |
| 5               | 64QAM      | 12      | 7         | 20.03                 | 20.21                    | 20.19                  |                     |          |   |  |
| 5               | 64QAM      | 12      | 13        | 20.09                 | 20.00                    | 20.16                  |                     |          |   |  |
| 5               | 64QAM      | 25      | 0         | 20.14                 | 20.15                    | 20.11                  | 21                  | 3        |   |  |
| Channel         |            |         |           | 20415                 | 20525                    | 20635                  |                     |          |   |  |
| Frequency (MHz) |            |         |           | 825.5                 | 836.5                    | 847.5                  |                     |          |   |  |
| 3               | QPSK       | 1       | 0         | 23.07                 | 23.18                    | 22.98                  |                     | 24       | 0 |  |
| 3               | QPSK       | 1       | 8         | 22.85                 | 23.02                    | 23.17                  |                     |          |   |  |
| 3               | QPSK       | 1       | 14        | 22.88                 | 23.05                    | 22.90                  |                     |          |   |  |
| 3               | QPSK       | 8       | 0         | 22.04                 | 22.15                    | 22.06                  |                     |          |   |  |
| 3               | QPSK       | 8       | 4         | 22.08                 | 22.26                    | 22.14                  | 23                  | 1        |   |  |
| 3               | QPSK       | 8       | 7         | 21.95                 | 22.04                    | 22.16                  |                     |          |   |  |
| 3               | QPSK       | 15      | 0         | 22.08                 | 22.14                    | 22.07                  |                     |          |   |  |
| 3               | 16QAM      | 1       | 0         | 21.87                 | 22.01                    | 21.83                  |                     |          |   |  |
| 3               | 16QAM      | 1       | 8         | 21.93                 | 22.20                    | 21.89                  | 23                  | 1        |   |  |
| 3               | 16QAM      | 1       | 14        | 21.93                 | 21.86                    | 21.91                  |                     |          |   |  |
| 3               | 16QAM      | 8       | 0         | 20.94                 | 21.11                    | 20.90                  |                     |          |   |  |
| 3               | 16QAM      | 8       | 4         | 21.26                 | 21.10                    | 21.09                  |                     |          |   |  |
| 3               | 16QAM      | 8       | 7         | 20.97                 | 21.11                    | 21.19                  | 22                  | 2        |   |  |
| 3               | 16QAM      | 15      | 0         | 21.30                 | 21.32                    | 21.22                  |                     |          |   |  |
| 3               | 64QAM      | 1       | 0         | 21.05                 | 21.02                    | 20.90                  |                     |          |   |  |
| 3               | 64QAM      | 1       | 8         | 21.10                 | 21.01                    | 21.03                  |                     |          |   |  |
| 3               | 64QAM      | 1       | 14        | 20.76                 | 20.96                    | 20.84                  | 22                  | 2        |   |  |
| 3               | 64QAM      | 8       | 0         | 19.98                 | 20.24                    | 20.12                  |                     |          |   |  |
| 3               | 64QAM      | 8       | 4         | 20.05                 | 20.25                    | 20.06                  |                     |          |   |  |
| 3               | 64QAM      | 8       | 7         | 19.97                 | 20.17                    | 20.06                  |                     |          |   |  |
| 3               | 64QAM      | 15      | 0         | 20.06                 | 20.29                    | 20.14                  | 21                  | 3        |   |  |
| Channel         |            |         |           | 20407                 | 20525                    | 20643                  |                     |          |   |  |
| Frequency (MHz) |            |         |           | 824.7                 | 836.5                    | 848.3                  |                     |          |   |  |
| 1.4             | QPSK       | 1       | 0         | 23.14                 | 23.17                    | 23.20                  |                     | 24       | 0 |  |
| 1.4             | QPSK       | 1       | 3         | 22.97                 | 23.10                    | 23.01                  |                     |          |   |  |
| 1.4             | QPSK       | 1       | 5         | 22.94                 | 23.11                    | 22.97                  |                     |          |   |  |
| 1.4             | QPSK       | 3       | 0         | 23.13                 | 23.16                    | 23.09                  |                     |          |   |  |
| 1.4             | QPSK       | 3       | 1         | 23.13                 | 23.20                    | 23.02                  | 23                  | 1        |   |  |
| 1.4             | QPSK       | 3       | 3         | 22.87                 | 23.22                    | 23.16                  |                     |          |   |  |
| 1.4             | QPSK       | 6       | 0         | 22.08                 | 22.09                    | 22.16                  |                     |          |   |  |
| 1.4             | 16QAM      | 1       | 0         | 21.98                 | 22.13                    | 21.96                  |                     |          |   |  |
| 1.4             | 16QAM      | 1       | 3         | 21.84                 | 22.08                    | 21.97                  | 23                  | 1        |   |  |
| 1.4             | 16QAM      | 1       | 5         | 21.99                 | 21.92                    | 21.85                  |                     |          |   |  |
| 1.4             | 16QAM      | 3       | 0         | 22.10                 | 22.03                    | 21.91                  |                     |          |   |  |
| 1.4             | 16QAM      | 3       | 1         | 22.22                 | 22.27                    | 21.98                  |                     |          |   |  |
| 1.4             | 16QAM      | 3       | 3         | 22.08                 | 22.33                    | 22.16                  | 22                  | 2        |   |  |
| 1.4             | 16QAM      | 6       | 0         | 21.21                 | 21.24                    | 21.17                  |                     |          |   |  |
| 1.4             | 64QAM      | 1       | 0         | 20.86                 | 21.04                    | 20.72                  |                     |          |   |  |
| 1.4             | 64QAM      | 1       | 3         | 20.94                 | 20.93                    | 20.93                  |                     |          |   |  |
| 1.4             | 64QAM      | 1       | 5         | 20.68                 | 21.00                    | 20.84                  | 22                  | 2        |   |  |
| 1.4             | 64QAM      | 3       | 0         | 20.84                 | 21.25                    | 21.20                  |                     |          |   |  |
| 1.4             | 64QAM      | 3       | 1         | 21.19                 | 21.14                    | 20.99                  |                     |          |   |  |
| 1.4             | 64QAM      | 3       | 3         | 21.03                 | 21.16                    | 21.11                  |                     |          |   |  |
| 1.4             | 64QAM      | 6       | 0         | 20.08                 | 20.22                    | 20.01                  | 21                  | 3        |   |  |

| Band 7          |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 20560                 | 21100                    | 21350                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 0         | 22.91                 | 22.98                    | 22.89                  | 24                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 22.71                 | 22.92                    | 22.74                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 22.80                 | 22.80                    | 22.71                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.90                 | 21.97                    | 21.87                  |                     |          |  |
| 20              | QPSK       | 50      | 24        | 21.79                 | 21.93                    | 21.89                  | 23                  | 1        |  |
| 20              | QPSK       | 50      | 50        | 21.71                 | 21.87                    | 21.76                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.72                 | 21.90                    | 21.82                  |                     |          |  |
| 20              | 16QAM      | 1       | 0         | 21.85                 | 21.94                    | 21.78                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 21.67                 | 21.86                    | 21.82                  | 23                  | 1        |  |
| 20              | 16QAM      | 1       | 99        | 21.80                 | 21.91                    | 21.79                  |                     |          |  |
| 20              | 16QAM      | 50      | 0         | 20.82                 | 20.92                    | 20.78                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 20.81                 | 20.88                    | 20.75                  |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 20.70                 | 20.83                    | 20.73                  | 22                  | 2        |  |
| 20              | 16QAM      | 100     | 0         | 20.70                 | 20.88                    | 20.83                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 20.73                 | 20.93                    | 20.94                  |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 20.82                 | 20.81                    | 20.81                  |                     |          |  |
| 20              | 64QAM      | 1       | 99        | 20.78                 | 20.85                    | 20.69                  | 22                  | 2        |  |
| 20              | 64QAM      | 50      | 0         | 19.76                 | 19.96                    | 19.85                  |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 19.74                 | 19.79                    | 19.72                  |                     |          |  |
| 20              | 64QAM      | 50      | 50        | 19.75                 | 19.86                    | 19.71                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 19.94                 | 19.93                    | 19.76                  | 21                  | 3        |  |
| Channel         |            |         |           | 20825                 | 21100                    | 21375                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 0         | 22.88                 | 22.87                    | 22.88                  | 24                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 22.63                 | 22.81                    | 22.75                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 22.76                 | 22.81                    | 22.70                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 21.89                 | 21.77                    | 21.89                  |                     |          |  |
| 15              | QPSK       | 36      | 20        | 21.76                 | 21.75                    | 21.74                  | 23                  | 1        |  |
| 15              | QPSK       | 36      | 39        | 21.57                 | 21.71                    | 21.73                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 21.73                 | 21.85                    | 21.72                  |                     |          |  |
| 15              | 16QAM      | 1       | 0         | 21.73                 | 21.90                    | 21.81                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 21.56                 | 21.86                    | 21.76                  | 23                  | 1        |  |
| 15              | 16QAM      | 1       | 74        | 21.81                 | 21.74                    | 21.62                  |                     |          |  |
| 15              | 16QAM      | 36      | 0         | 20.64                 | 20.84                    | 20.66                  | 22                  | 2        |  |
| 15              | 16QAM      | 36      | 20        | 20.70                 | 20.89                    | 20.71                  |                     |          |  |
| 15              | 16QAM      | 75      | 0         | 20.67                 | 20.89                    | 20.64                  |                     |          |  |
| 15              | 16QAM      | 75      | 0         | 20.57                 | 20.70                    | 20.74                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 20.60                 | 20.79                    | 20.86                  | 22                  | 2        |  |
| 15              | 64QAM      | 1       | 37        | 20.75                 | 20.63                    | 20.69                  |                     |          |  |
| 15              | 64QAM      | 1       | 74        | 20.66                 | 20.80                    | 20.57                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 19.68                 | 19.97                    | 19.81                  |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 19.75                 | 19.90                    | 19.86                  | 21                  | 3        |  |
| 15              | 64QAM      | 36      | 39        | 19.63                 | 19.85                    | 19.71                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 19.91                 | 19.81                    | 19.72                  |                     |          |  |
| Channel         |            |         |           | 20800                 | 21100                    | 21400                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 0         | 22.92                 | 22.80                    | 22.83                  | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.99                 | 22.93                    | 22.96                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.62                 | 22.63                    | 22.56                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.67                 | 21.98                    | 21.80                  |                     |          |  |
| 10              | QPSK       | 25      | 12        | 21.77                 | 21.91                    | 21.73                  | 23                  | 1        |  |
| 10              | QPSK       | 25      | 25        | 21.68                 | 21.78                    | 21.59                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.56                 | 21.84                    | 21.83                  |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 21.85                 | 21.82                    | 21.62                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.63                 | 21.72                    | 21.61                  | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 49        | 21.78                 | 21.75                    | 21.80                  |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 20.76                 | 20.82                    | 20.57                  | 22                  | 2        |  |
| 10              | 16QAM      | 25      | 12        | 20.81                 | 20.72                    | 20.72                  |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 20.59                 | 20.78                    | 20.72                  |                     |          |  |
| 10              | 16QAM      | 50      | 0         | 20.71                 | 20.73                    | 20.72                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 20.63                 | 20.73                    | 20.83                  | 22                  | 2        |  |
| 10              | 64QAM      | 1       | 25        | 20.64                 | 20.68                    | 20.81                  |                     |          |  |
| 10              | 64QAM      | 1       | 49        | 20.68                 | 20.78                    | 20.70                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 19.65                 | 19.91                    | 19.70                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 19.68                 | 19.85                    | 19.72                  | 21                  | 3        |  |
| 10              | 64QAM      | 25      | 25        | 19.57                 | 19.71                    | 19.65                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 19.73                 | 19.76                    | 19.66                  |                     |          |  |
| Channel         |            |         |           | 20775                 | 21100                    | 21425                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5               | QPSK       | 1       | 0         | 22.93                 | 22.88                    | 22.89                  | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.99                 | 22.77                    | 22.54                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.73                 | 22.77                    | 22.64                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.81                 | 21.85                    | 21.73                  |                     |          |  |
| 5               | QPSK       | 12      | 7         | 21.73                 | 21.75                    | 21.73                  | 23                  | 1        |  |
| 5               | QPSK       | 12      | 13        | 21.54                 | 21.71                    | 21.77                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.64                 | 21.85                    | 21.72                  |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 21.76                 | 21.81                    | 21.62                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.69                 | 21.85                    | 21.70                  | 23                  | 1        |  |
| 5               | 16QAM      | 1       | 24        | 21.62                 | 21.82                    | 21.80                  |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 20.81                 | 20.72                    | 20.68                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.74                 | 20.74                    | 20.73                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 20.55                 | 20.80                    | 20.57                  | 22                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 20.54                 | 20.84                    | 20.67                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.72                 | 20.94                    | 20.83                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 20.65                 | 20.82                    | 20.63                  |                     |          |  |
| 5               | 64QAM      | 1       | 24        | 20.59                 | 20.94                    | 20.84                  | 22                  | 2        |  |
| 5               | 64QAM      | 12      | 0         | 19.73                 | 19.85                    | 19.87                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 19.64                 | 19.69                    | 19.71                  |                     |          |  |
| 5               | 64QAM      | 12      | 13        | 19.58                 | 19.85                    | 19.59                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.89                 | 19.86                    | 19.73                  | 21                  | 3        |  |

| Band 38         |            |         |           |                             |                                |                              |                        |             |  |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 37850                       | 38000                          | 38150                        |                        |             |  |
| Frequency (MHz) |            |         |           | 2580                        | 2595                           | 2610                         |                        |             |  |
| 20              | QPSK       | 1       | 0         | 23.05                       | 23.19                          | 22.99                        | 24                     | 0           |  |
| 20              | QPSK       | 1       | 49        | 23.01                       | 23.12                          | 23.00                        |                        |             |  |
| 20              | QPSK       | 1       | 99        | 22.92                       | 22.94                          | 22.95                        |                        |             |  |
| 20              | QPSK       | 50      | 0         | 22.14                       | 22.15                          | 22.01                        | 23                     | 1           |  |
| 20              | QPSK       | 50      | 24        | 22.02                       | 22.08                          | 21.94                        |                        |             |  |
| 20              | QPSK       | 50      | 50        | 21.99                       | 22.05                          | 22.05                        |                        |             |  |
| 20              | QPSK       | 100     | 0         | 21.88                       | 22.10                          | 21.93                        | 23                     | 1           |  |
| 20              | 16QAM      | 1       | 0         | 21.84                       | 21.96                          | 21.95                        |                        |             |  |
| 20              | 16QAM      | 1       | 49        | 21.91                       | 22.00                          | 21.99                        |                        |             |  |
| 20              | 16QAM      | 1       | 99        | 21.80                       | 21.85                          | 21.78                        | 22                     | 2           |  |
| 20              | 16QAM      | 50      | 0         | 21.01                       | 21.10                          | 21.05                        |                        |             |  |
| 20              | 16QAM      | 50      | 24        | 20.84                       | 21.06                          | 20.85                        |                        |             |  |
| 20              | 16QAM      | 50      | 50        | 20.86                       | 20.94                          | 20.85                        | 22                     | 2           |  |
| 20              | 16QAM      | 100     | 0         | 21.02                       | 21.15                          | 21.04                        |                        |             |  |
| 20              | 64QAM      | 1       | 0         | 20.75                       | 20.86                          | 20.84                        |                        |             |  |
| 20              | 64QAM      | 1       | 49        | 20.78                       | 20.92                          | 20.75                        | 22                     | 2           |  |
| 20              | 64QAM      | 1       | 99        | 20.70                       | 20.78                          | 20.72                        |                        |             |  |
| 20              | 64QAM      | 50      | 0         | 20.08                       | 20.12                          | 19.93                        |                        |             |  |
| 20              | 64QAM      | 50      | 24        | 20.04                       | 20.05                          | 19.92                        | 21                     | 3           |  |
| 20              | 64QAM      | 50      | 50        | 19.91                       | 19.97                          | 19.87                        |                        |             |  |
| 20              | 64QAM      | 100     | 0         | 19.85                       | 20.17                          | 20.06                        |                        |             |  |
| Channel         |            |         |           | 37825                       | 38000                          | 38175                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2577.5                      | 2595                           | 2612.5                       |                        |             |  |
| 15              | QPSK       | 1       | 0         | 22.90                       | 23.14                          | 22.99                        | 24                     | 0           |  |
| 15              | QPSK       | 1       | 37        | 22.79                       | 22.93                          | 22.87                        |                        |             |  |
| 15              | QPSK       | 1       | 74        | 22.91                       | 22.76                          | 22.80                        |                        |             |  |
| 15              | QPSK       | 36      | 0         | 22.09                       | 22.13                          | 21.93                        | 23                     | 1           |  |
| 15              | QPSK       | 36      | 20        | 21.85                       | 21.94                          | 21.94                        |                        |             |  |
| 15              | QPSK       | 36      | 39        | 21.93                       | 21.87                          | 21.87                        |                        |             |  |
| 15              | QPSK       | 75      | 0         | 21.76                       | 21.94                          | 21.73                        | 23                     | 1           |  |
| 15              | 16QAM      | 1       | 0         | 21.85                       | 21.96                          | 21.73                        |                        |             |  |
| 15              | 16QAM      | 1       | 37        | 21.78                       | 21.82                          | 21.97                        |                        |             |  |
| 15              | 16QAM      | 1       | 74        | 21.74                       | 21.75                          | 21.85                        | 22                     | 2           |  |
| 15              | 16QAM      | 36      | 0         | 20.85                       | 21.10                          | 20.88                        |                        |             |  |
| 15              | 16QAM      | 36      | 20        | 20.72                       | 21.07                          | 20.81                        |                        |             |  |
| 15              | 16QAM      | 36      | 39        | 20.75                       | 20.87                          | 20.84                        | 22                     | 2           |  |
| 15              | 16QAM      | 75      | 0         | 20.97                       | 21.07                          | 21.04                        |                        |             |  |
| 15              | 64QAM      | 1       | 0         | 20.64                       | 20.71                          | 20.79                        |                        |             |  |
| 15              | 64QAM      | 1       | 37        | 20.64                       | 20.81                          | 20.77                        | 22                     | 2           |  |
| 15              | 64QAM      | 1       | 74        | 20.68                       | 20.73                          | 20.65                        |                        |             |  |
| 15              | 64QAM      | 36      | 0         | 19.92                       | 20.13                          | 19.83                        |                        |             |  |
| 15              | 64QAM      | 36      | 20        | 20.05                       | 20.02                          | 19.81                        | 21                     | 3           |  |
| 15              | 64QAM      | 36      | 39        | 19.88                       | 19.96                          | 19.80                        |                        |             |  |
| 15              | 64QAM      | 75      | 0         | 19.83                       | 20.06                          | 19.99                        |                        |             |  |
| Channel         |            |         |           | 37800                       | 38000                          | 38200                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2572.5                      | 2595                           | 2617.5                       |                        |             |  |
| 10              | QPSK       | 1       | 0         | 22.97                       | 23.04                          | 22.84                        | 24                     | 0           |  |
| 10              | QPSK       | 1       | 25        | 22.96                       | 23.09                          | 22.91                        |                        |             |  |
| 10              | QPSK       | 1       | 49        | 22.74                       | 22.88                          | 22.78                        |                        |             |  |
| 10              | QPSK       | 25      | 0         | 22.00                       | 21.94                          | 21.95                        | 23                     | 1           |  |
| 10              | QPSK       | 25      | 12        | 21.94                       | 22.00                          | 21.82                        |                        |             |  |
| 10              | QPSK       | 25      | 25        | 21.83                       | 21.94                          | 21.84                        |                        |             |  |
| 10              | QPSK       | 50      | 0         | 21.88                       | 21.97                          | 21.79                        | 23                     | 1           |  |
| 10              | 16QAM      | 1       | 0         | 21.66                       | 21.96                          | 21.91                        |                        |             |  |
| 10              | 16QAM      | 1       | 25        | 21.77                       | 21.90                          | 21.89                        |                        |             |  |
| 10              | 16QAM      | 1       | 49        | 21.75                       | 21.81                          | 21.58                        | 22                     | 2           |  |
| 10              | 16QAM      | 25      | 0         | 20.90                       | 20.89                          | 20.97                        |                        |             |  |
| 10              | 16QAM      | 25      | 12        | 20.74                       | 21.06                          | 20.75                        |                        |             |  |
| 10              | 16QAM      | 25      | 25        | 20.80                       | 20.77                          | 20.83                        | 22                     | 2           |  |
| 10              | 16QAM      | 50      | 0         | 20.95                       | 20.98                          | 20.89                        |                        |             |  |
| 10              | 64QAM      | 1       | 0         | 20.54                       | 20.73                          | 20.84                        |                        |             |  |
| 10              | 64QAM      | 1       | 25        | 20.74                       | 20.91                          | 20.81                        | 22                     | 2           |  |
| 10              | 64QAM      | 1       | 49        | 20.62                       | 20.59                          | 20.63                        |                        |             |  |
| 10              | 64QAM      | 25      | 0         | 19.96                       | 19.96                          | 19.80                        |                        |             |  |
| 10              | 64QAM      | 25      | 12        | 19.84                       | 19.83                          | 19.80                        | 21                     | 3           |  |
| 10              | 64QAM      | 25      | 25        | 19.85                       | 19.98                          | 19.83                        |                        |             |  |
| 10              | 64QAM      | 50      | 0         | 19.77                       | 19.97                          | 19.94                        |                        |             |  |
| Channel         |            |         |           | 37775                       | 38000                          | 38225                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2572.5                      | 2595                           | 2617.5                       |                        |             |  |
| 5               | QPSK       | 1       | 0         | 22.91                       | 22.99                          | 22.86                        | 24                     | 0           |  |
| 5               | QPSK       | 1       | 12        | 23.01                       | 23.13                          | 22.99                        |                        |             |  |
| 5               | QPSK       | 1       | 24        | 22.76                       | 22.87                          | 22.95                        |                        |             |  |
| 5               | QPSK       | 12      | 0         | 22.15                       | 22.02                          | 21.97                        | 23                     | 1           |  |
| 5               | QPSK       | 12      | 7         | 21.88                       | 22.07                          | 21.95                        |                        |             |  |
| 5               | QPSK       | 12      | 13        | 21.93                       | 21.96                          | 21.88                        |                        |             |  |
| 5               | QPSK       | 25      | 0         | 21.75                       | 22.06                          | 21.79                        | 23                     | 1           |  |
| 5               | 16QAM      | 1       | 0         | 21.85                       | 21.74                          | 21.79                        |                        |             |  |
| 5               | 16QAM      | 1       | 12        | 21.74                       | 21.98                          | 21.96                        |                        |             |  |
| 5               | 16QAM      | 1       | 24        | 21.76                       | 21.86                          | 21.76                        | 22                     | 2           |  |
| 5               | 16QAM      | 12      | 0         | 20.89                       | 21.03                          | 21.05                        |                        |             |  |
| 5               | 16QAM      | 12      | 7         | 20.82                       | 20.84                          | 20.77                        |                        |             |  |
| 5               | 16QAM      | 12      | 13        | 20.86                       | 20.88                          | 20.76                        | 22                     | 2           |  |
| 5               | 16QAM      | 25      | 0         | 21.00                       | 20.95                          | 20.98                        |                        |             |  |
| 5               | 64QAM      | 1       | 0         | 20.54                       | 20.65                          | 20.77                        |                        |             |  |
| 5               | 64QAM      | 1       | 12        | 20.75                       | 20.92                          | 20.76                        | 22                     | 2           |  |
| 5               | 64QAM      | 1       | 24        | 20.68                       | 20.58                          | 20.56                        |                        |             |  |
| 5               | 64QAM      | 12      | 0         | 19.88                       | 20.03                          | 19.83                        |                        |             |  |
| 5               | 64QAM      | 12      | 7         | 19.87                       | 19.87                          | 19.73                        | 21                     | 3           |  |
| 5               | 64QAM      | 12      | 13        | 19.70                       | 19.76                          | 19.89                        |                        |             |  |
| 5               | 64QAM      | 25      | 0         | 19.80                       | 19.95                          | 19.96                        |                        |             |  |

| Band 41         |            |         |           |                             |                                    |                                     |                              |                        |             |
|-----------------|------------|---------|-----------|-----------------------------|------------------------------------|-------------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle Low<br>Ch. / Freq. | Power<br>Middle High<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 40140                       | 40400                              | 40670                               | 41140                        |                        |             |
| Frequency (MHz) |            |         |           | 2545                        | 2571                               | 2598                                | 2645                         |                        |             |
| 20              | QPSK       | 1       | 0         | 23.14                       | 23.05                              | 23.21                               | 23.10                        | 24                     | 0           |
| 20              | QPSK       | 1       | 49        | 23.02                       | 23.08                              | 23.15                               | 23.09                        |                        |             |
| 20              | QPSK       | 1       | 99        | 22.98                       | 23.01                              | 22.94                               | 22.95                        |                        |             |
| 20              | QPSK       | 50      | 0         | 22.11                       | 21.99                              | 22.12                               | 22.01                        | 23                     | 1           |
| 20              | QPSK       | 50      | 24        | 22.00                       | 21.95                              | 22.06                               | 22.06                        |                        |             |
| 20              | QPSK       | 50      | 50        | 21.93                       | 21.90                              | 22.01                               | 21.97                        |                        |             |
| 20              | QPSK       | 100     | 0         | 22.00                       | 22.05                              | 22.08                               | 22.04                        | 23                     | 1           |
| 20              | 16QAM      | 1       | 0         | 21.82                       | 21.95                              | 22.02                               | 22.00                        |                        |             |
| 20              | 16QAM      | 1       | 49        | 22.08                       | 22.11                              | 22.11                               | 22.05                        |                        |             |
| 20              | 16QAM      | 1       | 99        | 21.95                       | 21.74                              | 21.95                               | 21.82                        | 22                     | 2           |
| 20              | 16QAM      | 50      | 0         | 21.13                       | 20.99                              | 21.12                               | 21.06                        |                        |             |
| 20              | 16QAM      | 50      | 24        | 20.89                       | 20.86                              | 21.03                               | 20.97                        |                        |             |
| 20              | 16QAM      | 50      | 50        | 21.02                       | 20.96                              | 21.09                               | 21.05                        | 22                     | 2           |
| 20              | 16QAM      | 100     | 0         | 20.98                       | 20.88                              | 21.07                               | 21.00                        |                        |             |
| 20              | 64QAM      | 1       | 0         | 20.74                       | 20.75                              | 20.88                               | 20.70                        |                        |             |
| 20              | 64QAM      | 1       | 49        | 20.94                       | 20.88                              | 20.96                               | 20.76                        | 22                     | 2           |
| 20              | 64QAM      | 1       | 99        | 20.76                       | 20.81                              | 20.79                               | 20.72                        |                        |             |
| 20              | 64QAM      | 50      | 0         | 20.12                       | 20.05                              | 20.11                               | 19.94                        |                        |             |
| 20              | 64QAM      | 50      | 24        | 20.03                       | 19.91                              | 20.04                               | 20.00                        | 21                     | 3           |
| 20              | 64QAM      | 50      | 50        | 19.93                       | 19.95                              | 19.96                               | 19.86                        |                        |             |
| 20              | 64QAM      | 100     | 0         | 20.15                       | 20.02                              | 20.14                               | 20.07                        |                        |             |
| Channel         |            |         |           | 40115                       | 40365                              | 40685                               | 41165                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2542.5                      | 2570.5                             | 2599.5                              | 2647.5                       |                        |             |
| 15              | QPSK       | 1       | 0         | 23.01                       | 23.01                              | 23.07                               | 23.08                        | 24                     | 0           |
| 15              | QPSK       | 1       | 37        | 23.02                       | 23.05                              | 22.99                               | 22.92                        |                        |             |
| 15              | QPSK       | 1       | 74        | 22.98                       | 22.86                              | 22.96                               | 22.92                        |                        |             |
| 15              | QPSK       | 36      | 0         | 21.96                       | 21.90                              | 22.06                               | 21.88                        | 23                     | 1           |
| 15              | QPSK       | 36      | 20        | 21.91                       | 21.84                              | 21.95                               | 22.01                        |                        |             |
| 15              | QPSK       | 36      | 39        | 21.77                       | 21.88                              | 21.90                               | 21.94                        |                        |             |
| 15              | QPSK       | 75      | 0         | 21.82                       | 21.84                              | 21.93                               | 21.90                        | 23                     | 1           |
| 15              | 16QAM      | 1       | 0         | 21.82                       | 21.91                              | 21.94                               | 21.94                        |                        |             |
| 15              | 16QAM      | 1       | 37        | 21.97                       | 22.00                              | 21.90                               | 21.88                        | 23                     | 1           |
| 15              | 16QAM      | 1       | 74        | 21.85                       | 21.68                              | 21.91                               | 21.81                        |                        |             |
| 15              | 16QAM      | 36      | 0         | 21.11                       | 20.84                              | 21.05                               | 21.01                        | 22                     | 2           |
| 15              | 16QAM      | 36      | 20        | 20.90                       | 20.78                              | 20.89                               | 20.97                        |                        |             |
| 15              | 16QAM      | 36      | 39        | 20.90                       | 20.77                              | 21.08                               | 21.05                        |                        |             |
| 15              | 16QAM      | 75      | 0         | 20.89                       | 20.75                              | 20.90                               | 20.99                        | 22                     | 2           |
| 15              | 64QAM      | 1       | 0         | 20.63                       | 20.68                              | 20.87                               | 20.55                        |                        |             |
| 15              | 64QAM      | 1       | 37        | 20.88                       | 20.88                              | 20.77                               | 20.70                        |                        |             |
| 15              | 64QAM      | 1       | 74        | 20.90                       | 20.90                              | 20.73                               | 20.74                        | 22                     | 2           |
| 15              | 64QAM      | 36      | 0         | 19.97                       | 20.02                              | 20.13                               | 19.98                        |                        |             |
| 15              | 64QAM      | 36      | 20        | 20.00                       | 19.76                              | 19.97                               | 19.87                        |                        |             |
| 15              | 64QAM      | 36      | 39        | 19.76                       | 19.90                              | 19.94                               | 19.81                        | 21                     | 3           |
| 15              | 64QAM      | 75      | 0         | 20.05                       | 19.89                              | 20.02                               | 20.09                        |                        |             |
| Channel         |            |         |           | 40090                       | 40390                              | 40690                               | 41190                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 25440                       | 25740                              | 26040                               | 26540                        |                        |             |
| 10              | QPSK       | 1       | 0         | 22.95                       | 22.90                              | 23.03                               | 22.97                        | 24                     | 0           |
| 10              | QPSK       | 1       | 25        | 23.02                       | 23.00                              | 23.17                               | 22.88                        |                        |             |
| 10              | QPSK       | 1       | 49        | 22.88                       | 22.98                              | 22.84                               | 22.80                        |                        |             |
| 10              | QPSK       | 25      | 0         | 22.01                       | 21.95                              | 21.90                               | 21.89                        | 23                     | 1           |
| 10              | QPSK       | 25      | 12        | 21.86                       | 21.96                              | 21.90                               | 21.93                        |                        |             |
| 10              | QPSK       | 25      | 25        | 21.87                       | 21.69                              | 21.96                               | 21.88                        |                        |             |
| 10              | QPSK       | 50      | 0         | 21.88                       | 22.06                              | 22.08                               | 21.98                        | 23                     | 1           |
| 10              | 16QAM      | 1       | 0         | 21.82                       | 21.73                              | 21.92                               | 21.87                        |                        |             |
| 10              | 16QAM      | 1       | 25        | 22.04                       | 22.08                              | 21.96                               | 22.06                        |                        |             |
| 10              | 16QAM      | 1       | 49        | 21.75                       | 21.69                              | 21.76                               | 21.81                        | 22                     | 2           |
| 10              | 16QAM      | 25      | 0         | 21.02                       | 20.86                              | 21.03                               | 20.97                        |                        |             |
| 10              | 16QAM      | 25      | 12        | 20.82                       | 20.74                              | 20.86                               | 20.78                        |                        |             |
| 10              | 16QAM      | 25      | 25        | 20.85                       | 20.88                              | 20.88                               | 20.92                        | 22                     | 2           |
| 10              | 16QAM      | 50      | 0         | 20.89                       | 20.78                              | 21.01                               | 20.83                        |                        |             |
| 10              | 16QAM      | 1       | 0         | 20.60                       | 20.62                              | 20.85                               | 20.55                        |                        |             |
| 10              | 64QAM      | 1       | 25        | 20.82                       | 20.87                              | 20.94                               | 20.68                        | 22                     | 2           |
| 10              | 64QAM      | 1       | 49        | 20.63                       | 20.63                              | 20.79                               | 20.61                        |                        |             |
| 10              | 64QAM      | 25      | 0         | 20.03                       | 19.94                              | 20.06                               | 19.78                        |                        |             |
| 10              | 64QAM      | 25      | 12        | 19.82                       | 19.78                              | 19.93                               | 20.02                        | 21                     | 3           |
| 10              | 64QAM      | 25      | 25        | 19.74                       | 19.81                              | 19.79                               | 19.78                        |                        |             |
| 10              | 64QAM      | 50      | 0         | 20.00                       | 19.98                              | 19.96                               | 20.00                        |                        |             |
| Channel         |            |         |           | 40065                       | 40385                              | 40705                               | 41215                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2537.5                      | 2567.5                             | 2601.5                              | 2652.5                       |                        |             |
| 5               | QPSK       | 1       | 0         | 22.90                       | 23.01                              | 23.22                               | 22.99                        | 24                     | 0           |
| 5               | QPSK       | 1       | 12        | 23.01                       | 23.03                              | 23.00                               | 23.09                        |                        |             |
| 5               | QPSK       | 1       | 24        | 22.89                       | 23.02                              | 22.75                               | 22.93                        |                        |             |
| 5               | QPSK       | 12      | 0         | 22.06                       | 21.77                              | 21.94                               | 21.83                        | 23                     | 1           |
| 5               | QPSK       | 12      | 7         | 21.98                       | 21.89                              | 21.87                               | 21.89                        |                        |             |
| 5               | QPSK       | 12      | 13        | 21.89                       | 21.74                              | 21.99                               | 21.75                        |                        |             |
| 5               | QPSK       | 12      | 0         | 21.89                       | 21.95                              | 22.07                               | 21.95                        | 23                     | 1           |
| 5               | 16QAM      | 1       | 0         | 21.76                       | 21.90                              | 22.02                               | 21.94                        |                        |             |
| 5               | 16QAM      | 1       | 12        | 21.98                       | 21.98                              | 21.92                               | 21.87                        |                        |             |
| 5               | 16QAM      | 1       | 24        | 21.89                       | 21.75                              | 21.83                               | 21.67                        | 22                     | 2           |
| 5               | 16QAM      | 12      | 0         | 20.96                       | 20.99                              | 21.00                               | 21.07                        |                        |             |
| 5               | 16QAM      | 12      | 7         | 20.74                       | 20.71                              | 20.85                               | 20.90                        |                        |             |
| 5               | 16QAM      | 12      | 13        | 20.82                       | 20.82                              | 20.84                               | 20.90                        | 22                     | 2           |
| 5               | 16QAM      | 25      | 0         | 20.90                       | 20.67                              | 21.00                               | 21.00                        |                        |             |
| 5               | 64QAM      | 1       | 0         | 20.76                       | 20.58                              | 20.83                               | 20.52                        |                        |             |
| 5               | 64QAM      | 1       | 12        | 20.90                       | 20.66                              | 20.79                               | 20.57                        | 22                     | 2           |
| 5               | 64QAM      | 1       | 24        | 20.67                       | 20.63                              | 20.60                               | 20.57                        |                        |             |
| 5               | 64QAM      | 12      | 0         | 20.12                       | 19.97                              | 20.13                               | 19.86                        |                        |             |
| 5               | 64QAM      | 12      | 7         | 19.91                       | 19.80                              | 19.85                               | 19.98                        | 21                     | 3           |
| 5               | 64QAM      | 12      | 13        | 19.78                       | 19.77                              | 19.91                               | 19.65                        |                        |             |
| 5               | 64QAM      | 25      | 0         | 20.10                       | 19.86                              | 20.13                               | 19.99                        |                        |             |



# Reduced Power for Body-worn&Extremity

| GSM850          | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
|                 | 126                       | 169   | 251   |                     | 126                       | 169   | 251   |                     |
| TX Channel      | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| Frequency (MHz) | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot   | 32.23                     | 32.28 | 32.25 | 33.50               | 23.23                     | 23.28 | 23.25 | 24.50               |
| GPRS 1 Tx slot  | 32.15                     | 32.23 | 32.18 | 33.50               | 23.15                     | 23.23 | 23.18 | 24.50               |
| GPRS 2 Tx slots | 31.52                     | 31.57 | 31.43 | 32.50               | 25.52                     | 25.57 | 25.43 | 26.50               |
| GPRS 3 Tx slots | 29.88                     | 29.97 | 29.81 | 31.00               | 25.62                     | 25.71 | 25.55 | 26.74               |
| GPRS 4 Tx slots | 28.72                     | 28.82 | 28.67 | 30.00               | 25.72                     | 25.82 | 25.67 | 27.00               |
| EDGE 1 Tx slot  | 26.17                     | 26.34 | 26.12 | 27.50               | 17.17                     | 17.34 | 17.12 | 18.50               |
| EDGE 2 Tx slots | 24.78                     | 24.96 | 24.97 | 26.00               | 18.78                     | 18.96 | 18.97 | 20.00               |
| EDGE 3 Tx slots | 22.47                     | 22.53 | 22.52 | 24.00               | 18.21                     | 18.27 | 18.26 | 19.74               |
| EDGE 4 Tx slots | 21.07                     | 21.24 | 21.07 | 22.50               | 18.07                     | 18.24 | 18.07 | 19.50               |

| Band            |                         | WCDMA V |       |       | Tune-up Limit (dBm) |
|-----------------|-------------------------|---------|-------|-------|---------------------|
| TX Channel      |                         | 4132    | 4182  | 4233  |                     |
| Rx Channel      |                         | 4357    | 4407  | 4458  |                     |
| Frequency (MHz) |                         | 826.4   | 836.4 | 846.6 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps            | 23.28   | 23.29 | 23.08 | 24.00               |
| 3GPP Rel 99     | RMC 12.2Kbps            | 23.26   | 23.34 | 23.23 | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-1         | 22.16   | 22.44 | 22.11 | 23.00               |
| 3GPP Rel 6      | HSDPA Subtest-2         | 22.52   | 22.52 | 22.40 | 23.00               |
| 3GPP Rel 6      | HSDPA Subtest-3         | 21.84   | 22.18 | 21.94 | 22.50               |
| 3GPP Rel 6      | HSDPA Subtest-4         | 21.79   | 22.19 | 21.95 | 22.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-1      | 22.45   | 22.43 | 22.36 | 23.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-2      | 22.12   | 22.47 | 22.42 | 23.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-3      | 22.06   | 21.91 | 21.81 | 22.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-4      | 21.88   | 21.90 | 21.95 | 22.50               |
| 3GPP Rel 6      | HSUPA Subtest-1         | 22.08   | 22.47 | 22.20 | 23.00               |
| 3GPP Rel 6      | HSUPA Subtest-2         | 20.43   | 20.31 | 20.26 | 21.00               |
| 3GPP Rel 6      | HSUPA Subtest-3         | 21.40   | 21.61 | 21.53 | 22.00               |
| 3GPP Rel 6      | HSUPA Subtest-4         | 20.29   | 20.55 | 20.56 | 21.00               |
| 3GPP Rel 6      | HSUPA Subtest-5         | 22.60   | 22.55 | 22.54 | 23.00               |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 20.04   | 19.96 | 19.98 | 20.50               |



| Band 5          |            |         |           |                       |                          |                        |                     |          |  |    |   |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|----|---|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |    |   |  |
| Channel         |            |         |           | 20400                 | 20525                    | 20600                  |                     |          |  |    |   |  |
| Frequency (MHz) |            |         |           | 829                   | 836                      | 844                    |                     |          |  |    |   |  |
| 10              | QPSK       | 1       | 0         | 23.20                 | 23.24                    | 23.19                  | 24                  | 0        |  |    |   |  |
| 10              | QPSK       | 1       | 25        | 23.03                 | 23.21                    | 23.17                  |                     |          |  |    |   |  |
| 10              | QPSK       | 1       | 49        | 22.99                 | 23.12                    | 22.96                  |                     |          |  |    |   |  |
| 10              | QPSK       | 25      | 0         | 22.19                 | 22.34                    | 22.29                  |                     |          |  |    |   |  |
| 10              | QPSK       | 25      | 12        | 22.29                 | 22.30                    | 22.23                  | 23                  | 1        |  |    |   |  |
| 10              | QPSK       | 25      | 25        | 22.09                 | 22.21                    | 22.15                  |                     |          |  |    |   |  |
| 10              | QPSK       | 50      | 0         | 22.23                 | 22.29                    | 22.15                  |                     |          |  |    |   |  |
| 10              | 16QAM      | 1       | 0         | 22.02                 | 22.14                    | 21.97                  |                     |          |  |    |   |  |
| 10              | 16QAM      | 1       | 25        | 22.00                 | 22.18                    | 22.06                  | 23                  | 1        |  |    |   |  |
| 10              | 16QAM      | 1       | 49        | 21.97                 | 22.01                    | 22.01                  |                     |          |  |    |   |  |
| 10              | 16QAM      | 25      | 0         | 21.11                 | 21.25                    | 21.07                  |                     |          |  |    |   |  |
| 10              | 16QAM      | 25      | 12        | 21.27                 | 21.29                    | 21.08                  |                     |          |  |    |   |  |
| 10              | 16QAM      | 25      | 25        | 21.19                 | 21.32                    | 21.16                  | 22                  | 2        |  |    |   |  |
| 10              | 16QAM      | 50      | 0         | 21.33                 | 21.35                    | 21.31                  |                     |          |  |    |   |  |
| 10              | 64QAM      | 1       | 0         | 21.06                 | 21.13                    | 20.93                  |                     |          |  |    |   |  |
| 10              | 64QAM      | 1       | 25        | 21.12                 | 21.11                    | 21.03                  |                     |          |  |    |   |  |
| 10              | 64QAM      | 1       | 49        | 20.88                 | 21.02                    | 20.92                  | 22                  | 2        |  |    |   |  |
| 10              | 64QAM      | 25      | 0         | 20.05                 | 20.26                    | 20.22                  |                     |          |  |    |   |  |
| 10              | 64QAM      | 25      | 12        | 20.18                 | 20.34                    | 20.20                  |                     |          |  |    |   |  |
| 10              | 64QAM      | 25      | 25        | 20.17                 | 20.21                    | 20.19                  |                     |          |  |    |   |  |
| 10              | 64QAM      | 50      | 0         | 20.20                 | 20.28                    | 20.22                  | 21                  | 3        |  |    |   |  |
| Channel         |            |         |           | 20425                 | 20525                    | 20525                  |                     |          |  |    |   |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |  |    |   |  |
| 5               | QPSK       | 1       | 0         | 23.12                 | 23.15                    | 22.97                  |                     |          |  | 24 | 0 |  |
| 5               | QPSK       | 1       | 12        | 22.89                 | 23.19                    | 23.18                  |                     |          |  |    |   |  |
| 5               | QPSK       | 1       | 24        | 22.99                 | 23.00                    | 22.92                  |                     |          |  |    |   |  |
| 5               | QPSK       | 12      | 0         | 22.15                 | 22.26                    | 22.10                  |                     |          |  |    |   |  |
| 5               | QPSK       | 12      | 7         | 22.23                 | 22.20                    | 22.11                  | 23                  | 1        |  |    |   |  |
| 5               | QPSK       | 12      | 13        | 22.00                 | 22.21                    | 22.11                  |                     |          |  |    |   |  |
| 5               | QPSK       | 25      | 0         | 22.19                 | 22.13                    | 22.06                  |                     |          |  |    |   |  |
| 5               | 16QAM      | 1       | 0         | 21.93                 | 22.05                    | 21.89                  |                     |          |  |    |   |  |
| 5               | 16QAM      | 1       | 12        | 21.85                 | 22.19                    | 22.04                  | 23                  | 1        |  |    |   |  |
| 5               | 16QAM      | 1       | 24        | 21.96                 | 21.97                    | 21.88                  |                     |          |  |    |   |  |
| 5               | 16QAM      | 12      | 0         | 20.96                 | 21.19                    | 20.98                  |                     |          |  |    |   |  |
| 5               | 16QAM      | 12      | 7         | 21.11                 | 21.30                    | 21.07                  |                     |          |  |    |   |  |
| 5               | 16QAM      | 12      | 13        | 21.15                 | 21.30                    | 21.10                  | 22                  | 2        |  |    |   |  |
| 5               | 16QAM      | 25      | 0         | 21.19                 | 21.24                    | 21.16                  |                     |          |  |    |   |  |
| 5               | 64QAM      | 1       | 0         | 21.08                 | 21.00                    | 20.85                  |                     |          |  |    |   |  |
| 5               | 64QAM      | 1       | 12        | 20.99                 | 20.97                    | 20.89                  |                     |          |  |    |   |  |
| 5               | 64QAM      | 1       | 24        | 20.86                 | 20.94                    | 20.88                  | 22                  | 2        |  |    |   |  |
| 5               | 64QAM      | 12      | 0         | 19.95                 | 20.26                    | 20.14                  |                     |          |  |    |   |  |
| 5               | 64QAM      | 12      | 7         | 20.03                 | 20.21                    | 20.19                  |                     |          |  |    |   |  |
| 5               | 64QAM      | 12      | 13        | 20.09                 | 20.00                    | 20.16                  |                     |          |  |    |   |  |
| 5               | 64QAM      | 25      | 0         | 20.14                 | 20.15                    | 20.11                  | 21                  | 3        |  |    |   |  |
| Channel         |            |         |           | 20415                 | 20525                    | 20635                  |                     |          |  |    |   |  |
| Frequency (MHz) |            |         |           | 825.5                 | 836.5                    | 847.5                  |                     |          |  |    |   |  |
| 3               | QPSK       | 1       | 0         | 23.07                 | 23.18                    | 22.98                  |                     |          |  | 24 | 0 |  |
| 3               | QPSK       | 1       | 8         | 22.85                 | 23.02                    | 23.17                  |                     |          |  |    |   |  |
| 3               | QPSK       | 1       | 14        | 22.88                 | 23.05                    | 22.90                  |                     |          |  |    |   |  |
| 3               | QPSK       | 8       | 0         | 22.04                 | 22.15                    | 22.06                  |                     |          |  |    |   |  |
| 3               | QPSK       | 8       | 4         | 22.08                 | 22.26                    | 22.14                  | 23                  | 1        |  |    |   |  |
| 3               | QPSK       | 8       | 7         | 21.95                 | 22.04                    | 22.16                  |                     |          |  |    |   |  |
| 3               | QPSK       | 15      | 0         | 22.08                 | 22.14                    | 22.07                  |                     |          |  |    |   |  |
| 3               | 16QAM      | 1       | 0         | 21.87                 | 22.01                    | 21.83                  |                     |          |  |    |   |  |
| 3               | 16QAM      | 1       | 8         | 21.93                 | 22.20                    | 21.89                  | 23                  | 1        |  |    |   |  |
| 3               | 16QAM      | 1       | 14        | 21.93                 | 21.86                    | 21.91                  |                     |          |  |    |   |  |
| 3               | 16QAM      | 8       | 0         | 20.94                 | 21.11                    | 20.90                  |                     |          |  |    |   |  |
| 3               | 16QAM      | 8       | 4         | 21.26                 | 21.10                    | 21.09                  |                     |          |  |    |   |  |
| 3               | 16QAM      | 8       | 7         | 20.97                 | 21.11                    | 21.19                  | 22                  | 2        |  |    |   |  |
| 3               | 16QAM      | 15      | 0         | 21.30                 | 21.32                    | 21.22                  |                     |          |  |    |   |  |
| 3               | 64QAM      | 1       | 0         | 21.05                 | 21.02                    | 20.90                  |                     |          |  |    |   |  |
| 3               | 64QAM      | 1       | 8         | 21.10                 | 21.01                    | 21.03                  |                     |          |  |    |   |  |
| 3               | 64QAM      | 1       | 14        | 20.76                 | 20.96                    | 20.84                  | 22                  | 2        |  |    |   |  |
| 3               | 64QAM      | 8       | 0         | 19.98                 | 20.24                    | 20.12                  |                     |          |  |    |   |  |
| 3               | 64QAM      | 8       | 4         | 20.05                 | 20.25                    | 20.06                  |                     |          |  |    |   |  |
| 3               | 64QAM      | 8       | 7         | 19.97                 | 20.17                    | 20.06                  |                     |          |  |    |   |  |
| 3               | 64QAM      | 15      | 0         | 20.06                 | 20.29                    | 20.14                  | 21                  | 3        |  |    |   |  |
| Channel         |            |         |           | 20407                 | 20525                    | 20643                  |                     |          |  |    |   |  |
| Frequency (MHz) |            |         |           | 824.7                 | 836.5                    | 848.3                  |                     |          |  |    |   |  |
| 1.4             | QPSK       | 1       | 0         | 23.14                 | 23.17                    | 23.20                  |                     |          |  | 24 | 0 |  |
| 1.4             | QPSK       | 1       | 3         | 22.97                 | 23.10                    | 23.01                  |                     |          |  |    |   |  |
| 1.4             | QPSK       | 1       | 5         | 22.94                 | 23.11                    | 22.97                  |                     |          |  |    |   |  |
| 1.4             | QPSK       | 3       | 0         | 23.13                 | 23.16                    | 23.09                  |                     |          |  |    |   |  |
| 1.4             | QPSK       | 3       | 1         | 23.13                 | 23.20                    | 23.02                  | 23                  | 1        |  |    |   |  |
| 1.4             | QPSK       | 3       | 3         | 22.87                 | 23.22                    | 23.16                  |                     |          |  |    |   |  |
| 1.4             | QPSK       | 6       | 0         | 22.08                 | 22.09                    | 22.16                  |                     |          |  |    |   |  |
| 1.4             | 16QAM      | 1       | 0         | 21.98                 | 22.13                    | 21.96                  |                     |          |  |    |   |  |
| 1.4             | 16QAM      | 1       | 3         | 21.84                 | 22.08                    | 21.97                  | 23                  | 1        |  |    |   |  |
| 1.4             | 16QAM      | 1       | 5         | 21.99                 | 21.92                    | 21.85                  |                     |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 0         | 22.10                 | 22.03                    | 21.91                  |                     |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 1         | 22.22                 | 22.27                    | 21.98                  |                     |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 3         | 22.08                 | 22.33                    | 22.16                  | 22                  | 2        |  |    |   |  |
| 1.4             | 16QAM      | 6       | 0         | 21.21                 | 21.24                    | 21.17                  |                     |          |  |    |   |  |
| 1.4             | 64QAM      | 1       | 0         | 20.86                 | 21.04                    | 20.72                  |                     |          |  |    |   |  |
| 1.4             | 64QAM      | 1       | 3         | 20.94                 | 20.93                    | 20.93                  |                     |          |  |    |   |  |
| 1.4             | 64QAM      | 1       | 5         | 20.68                 | 21.00                    | 20.84                  | 22                  | 2        |  |    |   |  |
| 1.4             | 64QAM      | 3       | 0         | 20.84                 | 21.25                    | 21.20                  |                     |          |  |    |   |  |
| 1.4             | 64QAM      | 3       | 1         | 21.19                 | 21.14                    | 20.99                  |                     |          |  |    |   |  |
| 1.4             | 64QAM      | 3       | 3         | 21.03                 | 21.16                    | 21.11                  |                     |          |  |    |   |  |
| 1.4             | 64QAM      | 6       | 0         | 20.08                 | 20.22                    | 20.01                  | 21                  | 3        |  |    |   |  |

| Band 7          |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 20560                 | 21100                    | 21350                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 0         | 14.03                 | 14.10                    | 13.97                  | 15                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 13.93                 | 13.99                    | 13.96                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 13.86                 | 13.99                    | 13.86                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 13.88                 | 13.98                    | 13.85                  |                     |          |  |
| 20              | QPSK       | 50      | 24        | 13.79                 | 13.93                    | 13.80                  | 15                  | 0        |  |
| 20              | QPSK       | 50      | 50        | 13.93                 | 13.90                    | 13.83                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 13.88                 | 13.97                    | 13.85                  |                     |          |  |
| 20              | 16QAM      | 1       | 0         | 13.94                 | 14.01                    | 13.87                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 13.90                 | 14.02                    | 13.96                  | 15                  | 0        |  |
| 20              | 16QAM      | 1       | 99        | 13.80                 | 13.91                    | 13.79                  |                     |          |  |
| 20              | 16QAM      | 50      | 0         | 13.86                 | 13.96                    | 13.87                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 13.88                 | 14.02                    | 13.94                  |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 13.90                 | 13.96                    | 13.86                  | 15                  | 0        |  |
| 20              | 16QAM      | 100     | 0         | 13.87                 | 14.00                    | 13.92                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 13.90                 | 13.96                    | 13.85                  |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 13.86                 | 13.92                    | 13.78                  |                     |          |  |
| 20              | 64QAM      | 1       | 99        | 13.87                 | 14.01                    | 13.92                  | 15                  | 0        |  |
| 20              | 64QAM      | 50      | 0         | 13.90                 | 13.94                    | 13.88                  |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 13.85                 | 13.91                    | 13.77                  |                     |          |  |
| 20              | 64QAM      | 50      | 50        | 13.92                 | 13.98                    | 13.87                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 13.93                 | 14.01                    | 13.86                  | 24                  | 0        |  |
| Channel         |            |         |           | 20825                 | 21100                    | 21375                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | tune-up limit (dBm) | MPR (dB) |  |
| 15              | QPSK       | 1       | 0         | 13.92                 | 13.97                    | 13.86                  | 15                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 13.85                 | 13.92                    | 13.87                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 13.78                 | 13.94                    | 13.82                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 13.81                 | 13.83                    | 13.76                  |                     |          |  |
| 15              | QPSK       | 36      | 20        | 13.88                 | 13.79                    | 13.72                  | 15                  | 0        |  |
| 15              | QPSK       | 36      | 39        | 13.79                 | 13.80                    | 13.74                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 13.77                 | 13.91                    | 13.74                  |                     |          |  |
| 15              | 16QAM      | 1       | 0         | 13.80                 | 13.98                    | 13.82                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 13.76                 | 13.89                    | 13.83                  | 15                  | 0        |  |
| 15              | 16QAM      | 1       | 74        | 13.76                 | 13.78                    | 13.72                  |                     |          |  |
| 15              | 16QAM      | 36      | 0         | 13.72                 | 13.81                    | 13.77                  |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 13.82                 | 13.95                    | 13.91                  | 15                  | 0        |  |
| 15              | 16QAM      | 36      | 39        | 13.84                 | 13.82                    | 13.73                  |                     |          |  |
| 15              | 16QAM      | 75      | 0         | 13.72                 | 13.92                    | 13.82                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 13.83                 | 13.83                    | 13.73                  |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 13.73                 | 13.79                    | 13.65                  | 15                  | 0        |  |
| 15              | 64QAM      | 1       | 74        | 13.83                 | 13.97                    | 13.88                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 13.83                 | 13.89                    | 13.81                  |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 13.73                 | 13.87                    | 13.83                  | 15                  | 0        |  |
| 15              | 64QAM      | 36      | 39        | 13.85                 | 13.80                    | 13.74                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 13.85                 | 13.92                    | 13.75                  |                     |          |  |
| Channel         |            |         |           | 20800                 | 21100                    | 21400                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | tune-up limit (dBm) | MPR (dB) |  |
| 10              | QPSK       | 1       | 0         | 13.95                 | 14.00                    | 13.87                  | 15                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 13.89                 | 13.91                    | 13.86                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 13.82                 | 13.92                    | 13.74                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 13.62                 | 13.92                    | 13.70                  |                     |          |  |
| 10              | QPSK       | 12      | 0         | 13.67                 | 13.85                    | 13.81                  | 15                  | 0        |  |
| 10              | QPSK       | 25      | 25        | 13.80                 | 13.82                    | 13.78                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 13.81                 | 13.89                    | 13.71                  |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 13.84                 | 13.96                    | 13.82                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 13.81                 | 13.96                    | 13.88                  | 15                  | 0        |  |
| 10              | 16QAM      | 1       | 49        | 13.69                 | 13.87                    | 13.68                  |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 13.72                 | 13.83                    | 13.80                  |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 13.72                 | 13.83                    | 13.80                  | 15                  | 0        |  |
| 10              | 16QAM      | 25      | 12        | 13.74                 | 13.82                    | 13.81                  |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 13.81                 | 13.93                    | 13.84                  |                     |          |  |
| 10              | 16QAM      | 50      | 0         | 13.72                 | 13.88                    | 13.86                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 13.86                 | 13.84                    | 13.81                  | 15                  | 0        |  |
| 10              | 64QAM      | 1       | 25        | 13.71                 | 13.78                    | 13.63                  |                     |          |  |
| 10              | 64QAM      | 1       | 49        | 13.84                 | 13.89                    | 13.79                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 13.80                 | 13.87                    | 13.80                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 13.85                 | 13.91                    | 13.80                  | 15                  | 0        |  |
| 10              | 64QAM      | 25      | 25        | 13.86                 | 13.93                    | 13.72                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 13.84                 | 13.89                    | 13.76                  |                     |          |  |
| Channel         |            |         |           | 20775                 | 21100                    | 21425                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | tune-up limit (dBm) | MPR (dB) |  |
| 5               | QPSK       | 1       | 0         | 13.89                 | 14.04                    | 13.85                  | 15                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 13.80                 | 13.85                    | 13.84                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 13.76                 | 13.92                    | 13.80                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 13.85                 | 13.85                    | 13.80                  |                     |          |  |
| 5               | QPSK       | 12      | 7         | 13.69                 | 13.81                    | 13.77                  | 15                  | 0        |  |
| 5               | QPSK       | 12      | 13        | 13.86                 | 13.78                    | 13.70                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 13.75                 | 13.89                    | 13.78                  |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 13.89                 | 13.86                    | 13.73                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 13.85                 | 13.97                    | 13.90                  | 15                  | 0        |  |
| 5               | 16QAM      | 1       | 24        | 13.86                 | 13.78                    | 13.72                  |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 13.82                 | 13.86                    | 13.78                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 13.81                 | 13.95                    | 13.91                  | 15                  | 0        |  |
| 5               | 16QAM      | 12      | 13        | 13.80                 | 13.82                    | 13.84                  |                     |          |  |
| 5               | 16QAM      | 25      | 0         | 13.82                 | 13.95                    | 13.89                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 13.84                 | 13.90                    | 13.74                  | 15                  | 0        |  |
| 5               | 64QAM      | 1       | 12        | 13.80                 | 13.81                    | 13.71                  |                     |          |  |
| 5               | 64QAM      | 1       | 24        | 13.78                 | 13.94                    | 13.84                  |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 13.81                 | 13.81                    | 13.85                  | 15                  | 0        |  |
| 5               | 64QAM      | 12      | 7         | 13.77                 | 13.77                    | 13.78                  |                     |          |  |
| 5               | 64QAM      | 12      | 13        | 13.69                 | 13.85                    | 13.73                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 13.81                 | 13.92                    | 13.77                  |                     |          |  |

| Band 38         |            |         |           |                             |                                |                              |                        |             |  |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 37850                       | 38000                          | 38150                        |                        |             |  |
| Frequency (MHz) |            |         |           | 2580                        | 2595                           | 2610                         |                        |             |  |
| 20              | QPSK       | 1       | 0         | 16.23                       | 16.30                          | 16.23                        | 17                     | 0           |  |
| 20              | QPSK       | 1       | 49        | 16.08                       | 16.17                          | 16.08                        |                        |             |  |
| 20              | QPSK       | 1       | 99        | 16.20                       | 16.25                          | 16.17                        |                        |             |  |
| 20              | QPSK       | 50      | 0         | 16.11                       | 16.28                          | 16.07                        | 17                     | 0           |  |
| 20              | QPSK       | 50      | 24        | 16.22                       | 16.21                          | 16.22                        |                        |             |  |
| 20              | QPSK       | 50      | 50        | 16.05                       | 16.16                          | 16.06                        |                        |             |  |
| 20              | QPSK       | 100     | 0         | 16.09                       | 16.16                          | 16.02                        | 17                     | 0           |  |
| 20              | 16QAM      | 1       | 0         | 16.15                       | 16.18                          | 16.10                        |                        |             |  |
| 20              | 16QAM      | 1       | 49        | 16.10                       | 16.19                          | 16.06                        |                        |             |  |
| 20              | 16QAM      | 1       | 99        | 16.07                       | 16.21                          | 16.12                        | 17                     | 0           |  |
| 20              | 16QAM      | 50      | 0         | 16.11                       | 16.19                          | 16.16                        |                        |             |  |
| 20              | 16QAM      | 50      | 24        | 16.07                       | 16.16                          | 16.07                        |                        |             |  |
| 20              | 16QAM      | 50      | 50        | 16.13                       | 16.17                          | 16.06                        | 17                     | 0           |  |
| 20              | 16QAM      | 100     | 0         | 16.11                       | 16.21                          | 16.16                        |                        |             |  |
| 20              | 64QAM      | 1       | 0         | 15.84                       | 15.90                          | 15.76                        |                        |             |  |
| 20              | 64QAM      | 1       | 49        | 15.81                       | 15.87                          | 15.83                        | 17                     | 0           |  |
| 20              | 64QAM      | 1       | 99        | 15.85                       | 15.93                          | 15.83                        |                        |             |  |
| 20              | 64QAM      | 50      | 0         | 16.09                       | 16.23                          | 16.18                        |                        |             |  |
| 20              | 64QAM      | 50      | 24        | 16.08                       | 16.22                          | 16.15                        | 17                     | 0           |  |
| 20              | 64QAM      | 50      | 50        | 16.10                       | 16.15                          | 16.09                        |                        |             |  |
| 20              | 64QAM      | 100     | 0         | 16.11                       | 16.25                          | 16.17                        |                        |             |  |
| Channel         |            |         |           | 37825                       | 38000                          | 38175                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2577.5                      | 2595                           | 2612.5                       |                        |             |  |
| 15              | QPSK       | 1       | 0         | 16.10                       | 16.26                          | 16.19                        | 17                     | 0           |  |
| 15              | QPSK       | 1       | 37        | 16.02                       | 16.07                          | 15.98                        |                        |             |  |
| 15              | QPSK       | 1       | 74        | 16.10                       | 16.15                          | 16.07                        |                        |             |  |
| 15              | QPSK       | 36      | 0         | 16.05                       | 16.20                          | 15.97                        | 17                     | 0           |  |
| 15              | QPSK       | 36      | 20        | 16.09                       | 16.14                          | 16.19                        |                        |             |  |
| 15              | QPSK       | 36      | 39        | 15.91                       | 16.03                          | 15.96                        |                        |             |  |
| 15              | QPSK       | 75      | 0         | 15.99                       | 16.08                          | 15.97                        | 17                     | 0           |  |
| 15              | 16QAM      | 1       | 0         | 16.02                       | 16.14                          | 15.96                        |                        |             |  |
| 15              | 16QAM      | 1       | 37        | 16.02                       | 16.08                          | 15.92                        |                        |             |  |
| 15              | 16QAM      | 1       | 74        | 16.02                       | 16.10                          | 16.06                        | 17                     | 0           |  |
| 15              | 16QAM      | 36      | 0         | 16.03                       | 16.15                          | 16.01                        |                        |             |  |
| 15              | 16QAM      | 36      | 20        | 15.93                       | 16.04                          | 16.00                        |                        |             |  |
| 15              | 16QAM      | 36      | 39        | 16.05                       | 16.04                          | 15.95                        | 17                     | 0           |  |
| 15              | 16QAM      | 75      | 0         | 15.97                       | 16.06                          | 16.12                        |                        |             |  |
| 15              | 64QAM      | 1       | 0         | 15.71                       | 15.81                          | 15.73                        |                        |             |  |
| 15              | 64QAM      | 1       | 37        | 15.75                       | 15.77                          | 15.74                        | 17                     | 0           |  |
| 15              | 64QAM      | 1       | 74        | 15.72                       | 15.79                          | 15.74                        |                        |             |  |
| 15              | 64QAM      | 36      | 0         | 15.95                       | 16.19                          | 16.13                        |                        |             |  |
| 15              | 64QAM      | 36      | 20        | 16.05                       | 16.11                          | 16.06                        | 17                     | 0           |  |
| 15              | 64QAM      | 36      | 39        | 16.05                       | 16.01                          | 16.02                        |                        |             |  |
| 15              | 64QAM      | 75      | 0         | 15.97                       | 16.20                          | 16.05                        |                        |             |  |
| Channel         |            |         |           | 37800                       | 38000                          | 38200                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2572.5                      | 2595                           | 2617.5                       |                        |             |  |
| 10              | QPSK       | 1       | 0         | 16.18                       | 16.18                          | 16.18                        | 17                     | 0           |  |
| 10              | QPSK       | 1       | 25        | 15.98                       | 16.08                          | 15.98                        |                        |             |  |
| 10              | QPSK       | 1       | 49        | 16.09                       | 16.22                          | 16.12                        |                        |             |  |
| 10              | QPSK       | 25      | 0         | 15.98                       | 16.21                          | 15.98                        | 17                     | 0           |  |
| 10              | QPSK       | 25      | 12        | 16.12                       | 16.14                          | 16.13                        |                        |             |  |
| 10              | QPSK       | 25      | 25        | 15.96                       | 16.12                          | 16.01                        |                        |             |  |
| 10              | QPSK       | 50      | 0         | 16.05                       | 16.05                          | 15.97                        | 17                     | 0           |  |
| 10              | 16QAM      | 1       | 0         | 16.09                       | 16.06                          | 15.96                        |                        |             |  |
| 10              | 16QAM      | 1       | 25        | 16.03                       | 16.05                          | 15.97                        |                        |             |  |
| 10              | 16QAM      | 1       | 49        | 15.98                       | 16.12                          | 16.07                        | 17                     | 0           |  |
| 10              | 16QAM      | 25      | 0         | 16.01                       | 16.15                          | 16.08                        |                        |             |  |
| 10              | 16QAM      | 25      | 12        | 15.92                       | 16.06                          | 15.96                        |                        |             |  |
| 10              | 16QAM      | 25      | 25        | 15.99                       | 16.07                          | 15.93                        | 17                     | 0           |  |
| 10              | 16QAM      | 50      | 0         | 16.08                       | 16.10                          | 16.03                        |                        |             |  |
| 10              | 64QAM      | 1       | 0         | 15.78                       | 15.78                          | 15.82                        |                        |             |  |
| 10              | 64QAM      | 1       | 25        | 15.72                       | 15.82                          | 15.77                        | 17                     | 0           |  |
| 10              | 64QAM      | 1       | 49        | 15.80                       | 15.84                          | 15.71                        |                        |             |  |
| 10              | 64QAM      | 25      | 0         | 15.95                       | 16.18                          | 16.10                        |                        |             |  |
| 10              | 64QAM      | 25      | 12        | 15.97                       | 16.16                          | 16.05                        | 17                     | 0           |  |
| 10              | 64QAM      | 25      | 25        | 15.98                       | 16.09                          | 16.00                        |                        |             |  |
| 10              | 64QAM      | 50      | 0         | 15.96                       | 16.15                          | 16.14                        |                        |             |  |
| Channel         |            |         |           | 37775                       | 38000                          | 38225                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2572.5                      | 2595                           | 2617.5                       |                        |             |  |
| 5               | QPSK       | 1       | 0         | 16.19                       | 16.23                          | 16.11                        | 17                     | 0           |  |
| 5               | QPSK       | 1       | 12        | 15.99                       | 16.10                          | 16.02                        |                        |             |  |
| 5               | QPSK       | 1       | 24        | 16.16                       | 16.14                          | 16.10                        |                        |             |  |
| 5               | QPSK       | 12      | 0         | 16.03                       | 16.15                          | 15.95                        | 17                     | 0           |  |
| 5               | QPSK       | 12      | 7         | 16.19                       | 16.10                          | 16.18                        |                        |             |  |
| 5               | QPSK       | 12      | 13        | 16.01                       | 16.13                          | 15.98                        |                        |             |  |
| 5               | QPSK       | 25      | 0         | 15.99                       | 16.05                          | 15.92                        | 17                     | 0           |  |
| 5               | 16QAM      | 1       | 0         | 16.05                       | 16.08                          | 16.01                        |                        |             |  |
| 5               | 16QAM      | 1       | 12        | 15.95                       | 16.06                          | 16.01                        |                        |             |  |
| 5               | 16QAM      | 1       | 24        | 15.97                       | 16.10                          | 15.99                        | 17                     | 0           |  |
| 5               | 16QAM      | 12      | 0         | 16.01                       | 16.10                          | 16.01                        |                        |             |  |
| 5               | 16QAM      | 12      | 7         | 15.98                       | 16.10                          | 15.99                        |                        |             |  |
| 5               | 16QAM      | 12      | 13        | 15.99                       | 16.09                          | 15.94                        | 17                     | 0           |  |
| 5               | 16QAM      | 25      | 0         | 16.06                       | 16.13                          | 16.07                        |                        |             |  |
| 5               | 64QAM      | 1       | 0         | 15.69                       | 15.83                          | 15.72                        |                        |             |  |
| 5               | 64QAM      | 1       | 12        | 15.71                       | 15.80                          | 15.73                        | 17                     | 0           |  |
| 5               | 64QAM      | 1       | 24        | 15.76                       | 15.83                          | 15.73                        |                        |             |  |
| 5               | 64QAM      | 12      | 0         | 16.03                       | 16.13                          | 16.13                        |                        |             |  |
| 5               | 64QAM      | 12      | 7         | 16.05                       | 16.17                          | 16.11                        | 17                     | 0           |  |
| 5               | 64QAM      | 12      | 13        | 15.96                       | 16.05                          | 16.01                        |                        |             |  |
| 5               | 64QAM      | 25      | 0         | 16.04                       | 16.16                          | 16.04                        |                        |             |  |

| Band 41         |            |         |           |                             |                                    |                                     |                              |                        |             |
|-----------------|------------|---------|-----------|-----------------------------|------------------------------------|-------------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle Low<br>Ch. / Freq. | Power<br>Middle High<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 40140                       | 40400                              | 40670                               | 41140                        |                        |             |
| Frequency (MHz) |            |         |           | 2545                        | 2571                               | 2598                                | 2645                         |                        |             |
| 20              | QPSK       | 1       | 0         | 16.25                       | 16.21                              | 16.35                               | 16.30                        | 17                     | 0           |
| 20              | QPSK       | 1       | 49        | 16.09                       | 16.18                              | 16.23                               | 16.10                        |                        |             |
| 20              | QPSK       | 1       | 99        | 16.13                       | 16.21                              | 16.27                               | 16.14                        |                        |             |
| 20              | QPSK       | 50      | 0         | 16.17                       | 16.24                              | 16.31                               | 16.23                        | 17                     | 0           |
| 20              | QPSK       | 50      | 24        | 16.25                       | 16.26                              | 16.30                               | 16.18                        |                        |             |
| 20              | QPSK       | 50      | 50        | 16.14                       | 16.15                              | 16.23                               | 16.16                        |                        |             |
| 20              | QPSK       | 100     | 0         | 16.15                       | 16.15                              | 16.28                               | 16.21                        | 17                     | 0           |
| 20              | 16QAM      | 1       | 0         | 16.12                       | 16.12                              | 16.21                               | 16.15                        |                        |             |
| 20              | 16QAM      | 1       | 49        | 16.20                       | 16.20                              | 16.24                               | 16.13                        |                        |             |
| 20              | 16QAM      | 1       | 99        | 16.15                       | 16.09                              | 16.23                               | 16.19                        | 17                     | 0           |
| 20              | 16QAM      | 50      | 0         | 16.22                       | 16.13                              | 16.27                               | 16.13                        |                        |             |
| 20              | 16QAM      | 50      | 24        | 16.23                       | 16.22                              | 16.30                               | 16.26                        |                        |             |
| 20              | 16QAM      | 50      | 50        | 16.09                       | 16.20                              | 16.24                               | 16.16                        | 17                     | 0           |
| 20              | 16QAM      | 100     | 0         | 16.24                       | 16.17                              | 16.30                               | 16.20                        |                        |             |
| 20              | 64QAM      | 1       | 0         | 15.94                       | 15.97                              | 15.93                               | 15.79                        |                        |             |
| 20              | 64QAM      | 1       | 49        | 15.79                       | 15.78                              | 15.89                               | 15.85                        | 17                     | 0           |
| 20              | 64QAM      | 1       | 99        | 15.77                       | 15.74                              | 15.87                               | 15.74                        |                        |             |
| 20              | 64QAM      | 50      | 0         | 16.18                       | 16.22                              | 16.32                               | 16.23                        |                        |             |
| 20              | 64QAM      | 50      | 24        | 16.10                       | 16.18                              | 16.23                               | 16.19                        | 17                     | 0           |
| 20              | 64QAM      | 50      | 50        | 16.23                       | 16.21                              | 16.28                               | 16.25                        |                        |             |
| 20              | 64QAM      | 100     | 0         | 16.26                       | 16.18                              | 16.30                               | 16.17                        |                        |             |
| Channel         |            |         |           | 40115                       | 40395                              | 40685                               | 41165                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2542.5                      | 2570.5                             | 2599.5                              | 2647.5                       |                        |             |
| 15              | QPSK       | 1       | 0         | 16.18                       | 16.15                              | 16.30                               | 16.25                        | 17                     | 0           |
| 15              | QPSK       | 1       | 37        | 16.04                       | 16.10                              | 16.15                               | 16.04                        |                        |             |
| 15              | QPSK       | 1       | 74        | 16.04                       | 16.08                              | 16.15                               | 16.03                        |                        |             |
| 15              | QPSK       | 36      | 0         | 16.06                       | 16.16                              | 16.21                               | 16.13                        | 17                     | 0           |
| 15              | QPSK       | 36      | 20        | 16.20                       | 16.18                              | 16.21                               | 16.04                        |                        |             |
| 15              | QPSK       | 36      | 39        | 16.00                       | 16.01                              | 16.14                               | 16.12                        |                        |             |
| 15              | QPSK       | 75      | 0         | 16.09                       | 16.08                              | 16.22                               | 16.13                        | 17                     | 0           |
| 15              | 16QAM      | 1       | 0         | 16.05                       | 16.09                              | 16.12                               | 16.02                        |                        |             |
| 15              | 16QAM      | 1       | 37        | 16.10                       | 16.11                              | 16.10                               | 16.05                        |                        |             |
| 15              | 16QAM      | 1       | 74        | 16.07                       | 16.02                              | 16.10                               | 16.14                        | 17                     | 0           |
| 15              | 16QAM      | 36      | 0         | 16.07                       | 16.05                              | 16.15                               | 15.99                        |                        |             |
| 15              | 16QAM      | 36      | 39        | 16.15                       | 16.12                              | 16.20                               | 16.13                        |                        |             |
| 15              | 16QAM      | 36      | 39        | 16.02                       | 16.08                              | 16.11                               | 16.03                        | 17                     | 0           |
| 15              | 16QAM      | 75      | 0         | 16.14                       | 16.08                              | 16.25                               | 16.11                        |                        |             |
| 15              | 64QAM      | 1       | 0         | 15.70                       | 15.76                              | 15.82                               | 15.65                        |                        |             |
| 15              | 64QAM      | 1       | 37        | 15.68                       | 15.85                              | 15.76                               | 15.79                        | 17                     | 0           |
| 15              | 64QAM      | 1       | 74        | 15.67                       | 15.69                              | 15.82                               | 15.60                        |                        |             |
| 15              | 64QAM      | 36      | 0         | 15.94                       | 16.11                              | 16.19                               | 16.16                        |                        |             |
| 15              | 64QAM      | 36      | 20        | 16.04                       | 16.06                              | 16.14                               | 16.09                        | 17                     | 0           |
| 15              | 64QAM      | 36      | 39        | 16.12                       | 16.18                              | 16.23                               | 16.22                        |                        |             |
| 15              | 64QAM      | 75      | 0         | 16.14                       | 16.03                              | 16.18                               | 16.13                        |                        |             |
| Channel         |            |         |           | 40090                       | 40390                              | 40690                               | 41190                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 25440                       | 25740                              | 26040                               | 26540                        |                        |             |
| 10              | QPSK       | 1       | 0         | 16.13                       | 16.09                              | 16.24                               | 16.22                        | 17                     | 0           |
| 10              | QPSK       | 1       | 25        | 15.96                       | 16.11                              | 16.14                               | 16.05                        |                        |             |
| 10              | QPSK       | 1       | 49        | 16.02                       | 16.11                              | 16.14                               | 16.08                        |                        |             |
| 10              | QPSK       | 25      | 0         | 16.10                       | 16.17                              | 16.21                               | 16.09                        | 17                     | 0           |
| 10              | QPSK       | 25      | 12        | 16.11                       | 16.15                              | 16.19                               | 16.09                        |                        |             |
| 10              | QPSK       | 25      | 25        | 16.00                       | 16.10                              | 16.19                               | 16.09                        |                        |             |
| 10              | QPSK       | 50      | 0         | 16.02                       | 16.09                              | 16.14                               | 16.17                        | 17                     | 0           |
| 10              | 16QAM      | 1       | 0         | 16.04                       | 16.06                              | 16.09                               | 16.06                        |                        |             |
| 10              | 16QAM      | 1       | 25        | 16.09                       | 16.10                              | 16.10                               | 16.06                        |                        |             |
| 10              | 16QAM      | 1       | 49        | 16.03                       | 16.00                              | 16.19                               | 16.05                        | 17                     | 0           |
| 10              | 16QAM      | 25      | 0         | 16.13                       | 16.09                              | 16.19                               | 16.18                        |                        |             |
| 10              | 16QAM      | 25      | 12        | 16.08                       | 16.17                              | 16.24                               | 16.13                        |                        |             |
| 10              | 16QAM      | 25      | 25        | 15.98                       | 16.08                              | 16.20                               | 16.12                        | 17                     | 0           |
| 10              | 16QAM      | 50      | 0         | 16.10                       | 16.05                              | 16.15                               | 16.14                        |                        |             |
| 10              | 64QAM      | 1       | 0         | 15.70                       | 15.81                              | 15.88                               | 15.75                        |                        |             |
| 10              | 64QAM      | 1       | 25        | 15.75                       | 15.63                              | 15.75                               | 15.64                        | 17                     | 0           |
| 10              | 64QAM      | 1       | 49        | 15.65                       | 15.61                              | 15.73                               | 15.76                        |                        |             |
| 10              | 64QAM      | 25      | 0         | 16.04                       | 16.19                              | 16.23                               | 16.13                        |                        |             |
| 10              | 64QAM      | 25      | 12        | 15.99                       | 16.06                              | 16.15                               | 16.06                        | 17                     | 0           |
| 10              | 64QAM      | 25      | 25        | 16.10                       | 16.12                              | 16.23                               | 16.20                        |                        |             |
| 10              | 64QAM      | 50      | 0         | 16.19                       | 16.11                              | 16.17                               | 16.05                        |                        |             |
| Channel         |            |         |           | 40065                       | 40385                              | 40705                               | 41215                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2537.5                      | 2567.5                             | 2597.5                              | 2652.5                       |                        |             |
| 5               | QPSK       | 1       | 0         | 16.10                       | 16.14                              | 16.14                               | 16.25                        | 17                     | 0           |
| 5               | QPSK       | 1       | 12        | 16.06                       | 16.14                              | 16.17                               | 16.05                        |                        |             |
| 5               | QPSK       | 1       | 24        | 16.01                       | 16.12                              | 16.13                               | 16.10                        |                        |             |
| 5               | QPSK       | 12      | 0         | 16.03                       | 16.20                              | 16.25                               | 16.16                        | 17                     | 0           |
| 5               | QPSK       | 12      | 7         | 16.17                       | 16.14                              | 16.15                               | 16.10                        |                        |             |
| 5               | QPSK       | 12      | 13        | 16.07                       | 16.04                              | 16.11                               | 16.06                        |                        |             |
| 5               | 16QAM      | 1       | 0         | 16.10                       | 16.07                              | 16.16                               | 16.13                        | 17                     | 0           |
| 5               | 16QAM      | 1       | 12        | 16.16                       | 16.13                              | 16.14                               | 16.09                        |                        |             |
| 5               | 16QAM      | 1       | 24        | 16.02                       | 15.94                              | 16.11                               | 16.15                        |                        |             |
| 5               | 16QAM      | 12      | 0         | 16.15                       | 16.06                              | 16.17                               | 15.99                        | 17                     | 0           |
| 5               | 16QAM      | 12      | 7         | 16.18                       | 16.16                              | 16.25                               | 16.14                        |                        |             |
| 5               | 16QAM      | 12      | 13        | 16.05                       | 16.08                              | 16.10                               | 16.10                        |                        |             |
| 5               | 16QAM      | 25      | 0         | 16.09                       | 16.14                              | 16.25                               | 16.11                        | 17                     | 0           |
| 5               | 64QAM      | 1       | 0         | 15.80                       | 15.77                              | 15.79                               | 15.66                        |                        |             |
| 5               | 64QAM      | 1       | 12        | 15.74                       | 15.73                              | 15.75                               | 15.81                        |                        |             |
| 5               | 64QAM      | 1       | 24        | 15.69                       | 15.66                              | 15.73                               | 15.59                        | 17                     | 0           |
| 5               | 64QAM      | 12      | 0         | 16.05                       | 16.12                              | 16.21                               | 16.08                        |                        |             |
| 5               | 64QAM      | 12      | 7         | 16.02                       | 16.07                              | 16.14                               | 16.07                        |                        |             |
| 5               | 64QAM      | 12      | 13        | 16.09                       | 16.15                              | 16.18                               | 16.15                        | 17                     | 0           |
| 5               | 64QAM      | 25      | 0         | 16.15                       | 16.14                              | 16.22                               | 16.03                        |                        |             |



### Reduced Power for Hotspot

|                 | Sural Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
|                 | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| TX Channel      | 824.2                     | 836.4 | 848.8 | 833.50              | 824.2                     | 836.4 | 848.8 | 833.50              |
| Frequency (MHz) | 32.23                     | 32.28 | 32.25 | 33.50               | 23.23                     | 23.28 | 23.25 | 24.50               |
| GSM 1 Tx slot   | 32.15                     | 32.23 | 32.18 | 33.50               | 23.15                     | 23.23 | 23.18 | 24.50               |
| GPRS 2 Tx slots | 31.52                     | 31.57 | 31.43 | 32.50               | 25.52                     | 25.57 | 25.43 | 26.50               |
| GPRS 3 Tx slots | 29.88                     | 29.97 | 29.81 | 31.00               | 25.62                     | 25.71 | 25.55 | 26.74               |
| GPRS 4 Tx slots | 28.72                     | 28.82 | 28.67 | 30.00               | 25.72                     | 25.82 | 25.67 | 27.00               |
| EDGE 1 Tx slot  | 26.17                     | 26.34 | 26.12 | 27.50               | 17.17                     | 17.34 | 17.12 | 18.50               |
| EDGE 2 Tx slots | 24.78                     | 24.96 | 24.97 | 26.00               | 18.78                     | 18.96 | 18.97 | 20.00               |
| EDGE 3 Tx slots | 22.47                     | 22.53 | 22.52 | 24.00               | 18.21                     | 18.27 | 18.26 | 19.74               |
| EDGE 4 Tx slots | 21.07                     | 21.24 | 21.07 | 22.50               | 18.07                     | 18.24 | 18.07 | 19.50               |

| Band                               | WCDMA V |       |       | Tune-up Limit (dBm) |
|------------------------------------|---------|-------|-------|---------------------|
| TX Channel                         | 4132    | 4182  | 4233  |                     |
| Rx Channel                         | 4357    | 4407  | 4458  |                     |
| Frequency (MHz)                    | 826.4   | 836.4 | 846.6 |                     |
| 3GPP Rel 99 AMR 12.2Kbps           | 23.28   | 23.29 | 23.08 | 24.00               |
| 3GPP Rel 99 RMC 12.2Kbps           | 23.26   | 23.34 | 23.23 | 24.00               |
| 3GPP Rel 6 HSDPA Subtest-1         | 22.16   | 22.44 | 22.11 | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-2         | 22.52   | 22.52 | 22.40 | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-3         | 21.84   | 22.18 | 21.94 | 22.50               |
| 3GPP Rel 6 HSDPA Subtest-4         | 21.79   | 22.19 | 21.95 | 22.50               |
| 3GPP Rel 8 DC-HSDPA Subtest-1      | 22.45   | 22.43 | 22.36 | 23.00               |
| 3GPP Rel 8 DC-HSDPA Subtest-2      | 22.12   | 22.47 | 22.42 | 23.00               |
| 3GPP Rel 8 DC-HSDPA Subtest-3      | 22.06   | 21.91 | 21.81 | 22.50               |
| 3GPP Rel 8 DC-HSDPA Subtest-4      | 21.88   | 21.90 | 21.95 | 22.50               |
| 3GPP Rel 6 HSUPA Subtest-1         | 22.08   | 22.47 | 22.20 | 23.00               |
| 3GPP Rel 6 HSUPA Subtest-2         | 20.43   | 20.31 | 20.26 | 21.00               |
| 3GPP Rel 6 HSUPA Subtest-3         | 21.40   | 21.61 | 21.53 | 22.00               |
| 3GPP Rel 6 HSUPA Subtest-4         | 20.29   | 20.55 | 20.56 | 21.00               |
| 3GPP Rel 6 HSUPA Subtest-5         | 22.60   | 22.55 | 22.54 | 23.00               |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 20.04   | 19.96 | 19.98 | 20.50               |









## WLAN/Bluetooth Power

| Ant 1       |                   |         |                 | Full Power<br>For Head SAR<br>For Body-worn SAR<br>For Extremity SAR<br>For Hotspot SAR |               |              |
|-------------|-------------------|---------|-----------------|-----------------------------------------------------------------------------------------|---------------|--------------|
| 2.4GHz WLAN | Mode              | Channel | Frequency (MHz) | Average power (dBm)                                                                     | Tune-Up Limit | Duty Cycle % |
|             | 802.11b 1Mbps     | 1       | 2412            | 17.84                                                                                   | 19.50         | 99.31        |
|             |                   | 6       | 2437            | 17.76                                                                                   | 19.50         |              |
|             |                   | 11      | 2462            | 18.02                                                                                   | 19.50         |              |
|             | 802.11g 6Mbps     | 1       | 2412            | 15.78                                                                                   | 17.50         | 96.98        |
|             |                   | 6       | 2437            | 17.14                                                                                   | 18.50         |              |
|             |                   | 11      | 2462            | 16.36                                                                                   | 18.00         |              |
|             | 802.11n-HT20 MCS0 | 1       | 2412            | 14.59                                                                                   | 16.50         | 96.76        |
|             |                   | 6       | 2437            | 16.67                                                                                   | 18.50         |              |
|             |                   | 11      | 2462            | 15.10                                                                                   | 17.00         |              |
|             | 802.11n-HT40 MCS0 | 3       | 2422            | 12.70                                                                                   | 14.50         | 93.74        |
|             |                   | 6       | 2437            | 16.04                                                                                   | 17.50         |              |
|             |                   | 9       | 2452            | 13.44                                                                                   | 15.00         |              |

| Ant 1       |                     |         |                 | Full Power          |               | For Head SAR        |               | For Body-worn SAR<br>For Extremity SAR<br>For Hotspot SAR |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|---------------------|---------------|-----------------------------------------------------------|---------------|--------------|
| 5.2GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm)                                       | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 36      | 5180            | 14.45               | 16.00         |                     | 16.00         | Not Required                                              | 16.00         | 96.97        |
|             |                     | 40      | 5200            | 17.95               | 19.50         |                     | 18.50         |                                                           | 16.00         |              |
|             |                     | 44      | 5220            | 17.72               | 19.50         |                     | 18.50         |                                                           | 16.00         |              |
|             |                     | 48      | 5240            | 17.70               | 19.50         |                     | 18.50         |                                                           | 16.00         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            | 14.67               | 16.50         | Not Required        | 16.50         |                                                           | 16.00         | 96.77        |
|             |                     | 40      | 5200            | 17.30               | 19.00         |                     | 18.50         |                                                           | 16.00         |              |
|             |                     | 44      | 5220            | 17.11               | 19.00         |                     | 18.50         |                                                           | 16.00         |              |
|             |                     | 48      | 5240            | 17.06               | 19.00         |                     | 18.50         |                                                           | 16.00         |              |
|             | 802.11n-HT40 MCS0   | 38      | 5190            | 10.13               | 12.00         |                     | 12.00         | 10.13                                                     | 12.00         | 93.73        |
|             |                     | 46      | 5230            | 16.01               | 17.50         |                     | 17.50         |                                                           | 16.00         |              |
|             |                     | 36      | 5180            | 14.69               | 16.50         |                     | 16.50         | Not Required                                              | 16.00         |              |
|             |                     | 40      | 5200            | 17.35               | 19.00         |                     | 18.50         |                                                           | 16.00         |              |
|             | 802.11ac-VHT20 MCS0 | 44      | 5220            | 17.24               | 19.00         |                     | 18.50         |                                                           | 16.00         | 96.79        |
|             |                     | 48      | 5240            | 17.09               | 19.00         |                     | 18.50         |                                                           | 16.00         |              |
|             |                     | 38      | 5190            | 10.07               | 12.00         |                     | 10.07         | Not Required                                              | 12.00         |              |
|             |                     | 46      | 5230            | 16.67               | 18.50         |                     | 16.67         |                                                           | 16.00         |              |
|             | 802.11ac-VHT40 MCS0 |         |                 |                     |               |                     |               |                                                           |               | 92.96        |
|             | 802.11ac-VHT80 MCS0 | 42      | 5210            | 13.52               | 15.00         | Not Required        | 15.00         |                                                           | 15.00         | 87.16        |
|             |                     |         |                 |                     |               |                     |               |                                                           |               |              |

| Ant 1       |                     |         |                 | Full Power          |               | For Head SAR        |               | For Body-worn SAR<br>For Extremity SAR |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|---------------------|---------------|----------------------------------------|---------------|--------------|
| 5.3GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm)                    | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 52      | 5260            | 17.75               | 19.50         |                     | 18.50         | Not Required                           | 16.00         | 96.97        |
|             |                     | 56      | 5280            | 17.71               | 19.50         |                     | 18.50         |                                        | 16.00         |              |
|             |                     | 60      | 5300            | 17.77               | 19.50         |                     | 18.50         |                                        | 16.00         |              |
|             |                     | 64      | 5320            | 15.16               | 17.00         |                     | 17.00         |                                        | 16.00         |              |
|             | 802.11n-HT20 MCS0   | 52      | 5260            | 17.29               | 19.00         | Not Required        | 18.50         |                                        | 16.00         | 96.77        |
|             |                     | 56      | 5280            | 17.18               | 19.00         |                     | 18.50         |                                        | 16.00         |              |
|             |                     | 60      | 5300            | 17.15               | 19.00         |                     | 18.50         |                                        | 16.00         |              |
|             |                     | 64      | 5320            | 14.66               | 16.50         |                     | 16.50         |                                        | 16.00         |              |
|             | 802.11n-HT40 MCS0   | 54      | 5270            | 17.13               | 19.00         | 16.68               | 18.50         | 14.01                                  | 16.00         | 93.73        |
|             |                     | 62      | 5310            | 14.36               | 16.00         |                     | 16.00         |                                        | 13.85         |              |
|             | 802.11ac-VHT20 MCS0 | 52      | 5260            | 17.31               | 19.00         | Not Required        | 18.50         | Not Required                           | 16.00         | 96.79        |
|             |                     | 56      | 5280            | 17.20               | 19.00         |                     | 18.50         |                                        | 16.00         |              |
|             |                     | 60      | 5300            | 17.23               | 19.00         |                     | 18.50         |                                        | 16.00         |              |
|             |                     | 64      | 5320            | 14.73               | 16.50         |                     | 16.50         |                                        | 16.00         |              |
|             | 802.11ac-VHT40 MCS0 | 54      | 5270            | 16.62               | 18.50         | Not Required        | 18.50         | Not Required                           | 16.00         | 92.96        |
|             |                     | 62      | 5310            | 14.35               | 16.00         |                     | 16.00         |                                        | 16.00         |              |
|             | 802.11ac-VHT80 MCS0 | 58      | 5290            | 12.18               | 14.00         |                     | 14.00         |                                        | 14.00         | 87.16        |

| Ant 1       |                     |         |                 | Full Power          |               | For Head SAR        |               | For Body-worn SAR<br>For Extremity SAR |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|---------------------|---------------|----------------------------------------|---------------|--------------|
| 5.5GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm)                    | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 100     | 5500            | 15.62               | 17.00         |                     | 17.00         | Not Required                           | 17.00         | 96.97        |
|             |                     | 116     | 5580            | 17.54               | 19.00         |                     | 18.00         |                                        | 17.00         |              |
|             |                     | 132     | 5660            | 17.41               | 19.00         |                     | 18.00         |                                        | 17.00         |              |
|             |                     | 140     | 5700            | 14.02               | 15.50         |                     | 15.50         |                                        | 15.50         |              |
|             | 802.11n-HT20 MCS0   | 100     | 5500            | 15.03               | 16.50         | Not Required        | 16.50         |                                        | 16.50         | 96.77        |
|             |                     | 116     | 5580            | 17.09               | 19.00         |                     | 18.00         |                                        | 17.00         |              |
|             |                     | 132     | 5660            | 16.86               | 18.50         |                     | 18.00         |                                        | 17.00         |              |
|             |                     | 140     | 5700            | 14.13               | 16.00         |                     | 16.00         |                                        | 16.00         |              |
|             | 802.11n-HT40 MCS0   | 102     | 5510            | 12.23               | 14.00         | 12.23               | 14.00         | 12.23                                  | 14.00         | 93.73        |
|             |                     | 110     | 5550            | 17.07               | 18.50         |                     | 18.00         |                                        | 15.33         |              |
|             |                     | 134     | 5670            | 16.82               | 18.50         |                     | 18.00         |                                        | 15.24         |              |
|             |                     | 100     | 5500            | 15.06               | 16.50         | Not Required        | 16.50         | Not Required                           | 16.50         | 96.79        |
|             | 802.11ac-VHT20 MCS0 | 116     | 5580            | 17.11               | 19.00         |                     | 18.00         |                                        | 17.00         |              |
|             |                     | 132     | 5660            | 16.81               | 18.50         |                     | 18.00         |                                        | 17.00         |              |
|             |                     | 140     | 5700            | 14.15               | 16.00         |                     | 16.00         |                                        | 16.00         |              |
|             | 802.11ac-VHT40 MCS0 | 102     | 5510            | 12.21               | 14.00         | Not Required        | 14.00         | Not Required                           | 14.00         | 92.96        |
|             |                     | 110     | 5550            | 16.74               | 18.00         |                     | 18.00         |                                        | 17.00         |              |
|             |                     | 134     | 5670            | 16.39               | 18.00         |                     | 18.00         |                                        | 17.00         |              |
|             | 802.11ac-VHT80 MCS0 | 106     | 5530            | 13.67               | 15.50         |                     | 15.50         |                                        | 15.50         | 87.16        |

| Ant 1       |                     |         |                 | Full Power          |               | For Head SAR        |               | For Body-worn SAR<br>For Extremity SAR<br>For Hotspot SAR |               |              |
|-------------|---------------------|---------|-----------------|---------------------|---------------|---------------------|---------------|-----------------------------------------------------------|---------------|--------------|
| 5.8GHz WLAN | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm)                                       | Tune-Up Limit | Duty Cycle % |
|             | 802.11a 6Mbps       | 149     | 5745            | 17.24               | 19.00         | Not Required        | 18.00         | Not Required                                              | 16.00         | 96.97        |
|             |                     | 157     | 5785            | 17.52               | 19.00         |                     | 18.00         |                                                           | 16.00         |              |
|             |                     | 165     | 5825            | 17.35               | 19.00         |                     | 18.00         |                                                           | 16.00         |              |
|             | 802.11n-HT20 MCS0   | 149     | 5745            | 16.80               | 18.50         |                     | 18.00         |                                                           | 16.00         | 96.77        |
|             |                     | 157     | 5785            | 17.01               | 18.50         |                     | 18.00         |                                                           | 16.00         |              |
|             |                     | 165     | 5825            | 16.76               | 18.50         |                     | 18.00         |                                                           | 16.00         |              |
|             | 802.11n-HT40 MCS0   | 151     | 5755            | 16.93               | 18.50         | 16.48               | 18.00         | Not Required                                              | 16.00         | 93.73        |
|             |                     | 159     | 5795            | 16.85               | 18.50         |                     | 18.00         |                                                           | 16.00         |              |
|             |                     | 149     | 5745            | 16.82               | 18.50         |                     | 18.00         |                                                           | 16.00         |              |
|             | 802.11ac-VHT20 MCS0 | 157     | 5785            | 17.07               | 18.50         | Not Required        | 18.00         |                                                           | 16.00         | 96.79        |
|             |                     | 165     | 5825            | 16.86               | 18.50         |                     | 18.00         |                                                           | 16.00         |              |
|             |                     | 151     | 5755            | 16.30               | 18.00         |                     | 18.00         |                                                           | 16.00         |              |
|             | 802.11ac-VHT40 MCS0 | 159     | 5795            | 16.39               | 18.00         | Not Required        | 18.00         |                                                           | 16.00         | 92.96        |
|             |                     | 155     | 5775            | 16.02               | 17.50         |                     | 17.50         | 14.71                                                     | 16.00         |              |
|             | 802.11ac-VHT80 MCS0 |         |                 |                     |               |                     |               |                                                           |               | 87.16        |

**BT BR/EDR**

| Mode     | Channel | Frequency (MHz) | Average power (dBm) |       |       | Tune-up Limit |
|----------|---------|-----------------|---------------------|-------|-------|---------------|
|          |         |                 | 1Mbps               | 2Mbps | 3Mbps |               |
| BR / EDR | CH 00   | 2402            | 10.42               | 7.87  | 8.17  | 12.00         |
|          | CH 39   | 2441            | 10.01               | 7.94  | 7.97  | 11.50         |
|          | CH 78   | 2480            | 9.65                | 7.85  | 8.06  | 11.50         |

**BLE\_1M**

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |
|---------------|---------|-----------------|---------------------|
| LE            | CH 00   | 2402            | 5.32                |
|               | CH 19   | 2440            | 6.28                |
|               | CH 39   | 2480            | 4.97                |
| Tune-up Limit |         |                 | 7                   |

**BLE\_2M**

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |
|---------------|---------|-----------------|---------------------|
| LE            | CH 00   | 2402            | 5.43                |
|               | CH 19   | 2440            | 6.23                |
|               | CH 39   | 2480            | 5.37                |
| Tune-up Limit |         |                 | 7.00                |