

## Appendix A. Calibration certificate

### Appendix A.1 Probe Calibration certificate (EX3DV4\_SN3697)

**Calibration Laboratory of  
Schmid & Partner  
Engineering AG**

Zughausstrasse 43, 8304 Zurich, Switzerland



S Schweizerischer Kalibrierdienst  
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S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client: **Eurofins KCTL**  
Gyeonggi-do, Republic of Korea

Certificate No.: **EX-3697\_Apr24**

#### CALIBRATION CERTIFICATE

Object: **EX3DV4 - SN:3697**

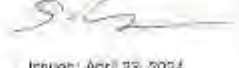
Calibration procedure(s): **QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,  
QA CAL-25.v8  
Calibration procedure for dosimetric E-field probes**

Calibration date: **April 22, 2024**

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  $(23 \pm 3)^\circ\text{C}$  and humidity  $< 70\%$ .  
Calibration Equipment used (M&PE critical for calibration)

| Primary Standards          | ID               | Cal Date (Certificate No.)        | Scheduled Calibration |
|----------------------------|------------------|-----------------------------------|-----------------------|
| Power meter NRP2           | SN: 104778       | 25-Mar-24 (No. 217-04035/04037)   | Mar-25                |
| Power sensor NRP-291       | SN: 103244       | 25-Mar-24 (No. 217-04038)         | Mar-25                |
| CCP DAK-3.5 (weightec)     | SN: 1248         | 05-Oct-23 (CCP DAK3.5-1248_Oct23) | Oct-24                |
| CCP DAK-12                 | SN: 1018         | 05-Oct-23 (CCP DAK12-1018_Oct23)  | Oct-24                |
| Reference E0 dB Attenuator | SN: CC2552 (20w) | 25-Mar-24 (No. 217-04046)         | Mar-25                |
| DAE4                       | SN: 660          | 23-Feb-24 (No. DAE4-660_Feb24)    | Feb-25                |
| Reference Probe EX3DV4     | SN: 7248         | 03-Nov-23 (No. EX3-7348_Nov23)    | Nov-24                |

| Secondary Standards     | ID               | Check Date (in house)             | Scheduled Check        |
|-------------------------|------------------|-----------------------------------|------------------------|
| Power meter E2419B      | SN: GB41293874   | 08-Apr-16 (in house check Jun-22) | in house check: Jun-24 |
| Power sensor E4412A     | SN: MY41496007   | 08-Apr-16 (in house check Jun-22) | in house check: Jun-24 |
| Power sensor E4412A     | SN: 003-10210    | 08-Apr-16 (in house check Jun-22) | in house check: Jun-24 |
| RF generator HP 8648C   | SN: US3642J01700 | 04-Aug-99 (in house check Jun-22) | in house check: Jun-24 |
| Network Analyzer E8358A | SN: US41060477   | 31-Mar-14 (in house check Oct-22) | in house check: Oct-24 |

|               |                 |                       |                                                                                       |
|---------------|-----------------|-----------------------|---------------------------------------------------------------------------------------|
|               | Name:           | Function              | Signature                                                                             |
| Calibrated by | Jeffrey Kitzman | Laboratory Technician |  |
| Approved by   | Sven Kuhn       | Technical Manager     |  |

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Issue: April 23, 2024

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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 $\psi$   | $\psi$ rotation around probe axis                                                                                                             |
| Polarization $\theta$ | $\theta$ rotation around an axis that is in the plane normal to probe axis (at measurement center) i.e., $\theta = 0$ 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 865684: "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 ( $\theta = 0$  ( $f < 900$  MHz in TEM-cells;  $f > 1800$  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. 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  $f \leq 900$  MHz) and inside waveguide using analytical field distributions based on power measurements for  $f > 900$  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 scalar 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).

EX3DV4 - SN:3697

April 22, 2024

### Parameters of Probe: EX3DV4 - SN:3697

#### Basic Calibration Parameters

|                                       | Sensor X | Sensor Y | Sensor Z | Unc (k = 2) |
|---------------------------------------|----------|----------|----------|-------------|
| Norm ( $\mu V/(V/m)^2$ ) <sup>A</sup> | 0.34     | 0.35     | 0.33     | ±10.1%      |
| DCP (mV) <sup>B</sup>                 | 104.8    | 102.0    | 105.6    | ±4.7%       |

#### Calibration Results for Modulation Response

| UID   | Communication System Name   |   | A<br>dB | B<br>dB/√μV | 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    | 151.5    | ±1.9%       | ±4.7%                            |
|       |                             | Y | 0.00    | 0.00        | -1.00 |         | 156.4    |             |                                  |
|       |                             | Z | 0.00    | 0.00        | 1.00  |         | 149.1    |             |                                  |
| 10352 | Pulse Waveform (200Hz, 10%) | X | 20.00   | 92.02       | 21.51 | 10.00   | 80.0     | ±2.8%       | ±9.6%                            |
|       |                             | Y | 20.00   | 93.96       | 23.51 |         | 80.0     |             |                                  |
|       |                             | Z | 20.00   | 91.38       | 21.00 |         | 80.0     |             |                                  |
| 10353 | Pulse Waveform (200Hz, 20%) | X | 20.00   | 93.76       | 21.28 | 6.99    | 80.0     | ±1.5%       | ±9.6%                            |
|       |                             | Y | 20.00   | 93.98       | 22.22 |         | 80.0     |             |                                  |
|       |                             | Z | 20.00   | 93.23       | 20.73 |         | 80.0     |             |                                  |
| 10354 | Pulse Waveform (200Hz, 40%) | X | 20.00   | 99.12       | 22.60 | 3.98    | 95.0     | ±1.1%       | ±9.6%                            |
|       |                             | Y | 20.00   | 97.45       | 22.43 |         | 95.0     |             |                                  |
|       |                             | Z | 20.00   | 98.20       | 21.75 |         | 95.0     |             |                                  |
| 10355 | Pulse Waveform (200Hz, 60%) | X | 20.00   | 108.27      | 25.65 | 2.22    | 120.0    | ±1.2%       | ±9.6%                            |
|       |                             | Y | 20.00   | 103.01      | 23.73 |         | 120.0    |             |                                  |
|       |                             | Z | 20.00   | 106.27      | 24.25 |         | 120.0    |             |                                  |
| 10387 | QPSK Waveform, 1 MHz        | X | 1.78    | 68.76       | 16.13 | 1.00    | 150.0    | ±2.2%       | ±9.6%                            |
|       |                             | Y | 1.78    | 66.51       | 15.28 |         | 150.0    |             |                                  |
|       |                             | Z | 1.62    | 67.00       | 15.13 |         | 150.0    |             |                                  |
| 10388 | QPSK Waveform, 10 MHz       | X | 2.29    | 69.21       | 16.53 | 0.00    | 150.0    | ±1.0%       | ±9.6%                            |
|       |                             | Y | 2.17    | 67.38       | 15.51 |         | 150.0    |             |                                  |
|       |                             | Z | 2.11    | 67.75       | 15.68 |         | 150.0    |             |                                  |
| 10396 | 64-QAM Waveform, 100 kHz    | X | 2.99    | 69.64       | 16.52 | 3.01    | 150.0    | ±0.7%       | ±9.6%                            |
|       |                             | Y | 3.24    | 71.62       | 19.32 |         | 150.0    |             |                                  |
|       |                             | Z | 2.82    | 71.06       | 16.98 |         | 150.0    |             |                                  |
| 10399 | 64-QAM Waveform, 40 MHz     | X | 3.43    | 67.17       | 15.89 | 0.00    | 150.0    | ±0.8%       | ±9.6%                            |
|       |                             | Y | 3.47    | 66.66       | 15.65 |         | 150.0    |             |                                  |
|       |                             | Z | 3.44    | 67.16       | 15.75 |         | 150.0    |             |                                  |
| 10414 | WLAN CCDF, 64-QAM, 40 MHz   | X | 4.67    | 65.63       | 15.55 | 0.00    | 150.0    | ±2.1%       | ±9.6%                            |
|       |                             | Y | 4.84    | 65.47       | 15.43 |         | 150.0    |             |                                  |
|       |                             | Z | 4.74    | 65.83       | 15.55 |         | 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<sub>1</sub> field uncertainty inside TSL (see Page 5).

<sup>B</sup> Linearization parameter uncertainty for maximum specified field strength.

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



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### Parameters of Probe: EX3DV4 - SN:3697

#### Sensor Model Parameters

|   | C1<br>1F | C2<br>1F | $\alpha$<br>$^{\circ}$ | T1<br>$msV^{-2}$ | T2<br>$msV^{-1}$ | T3<br>ms | T4<br>$V^{-2}$ | T5<br>$V^{-1}$ | T6   |
|---|----------|----------|------------------------|------------------|------------------|----------|----------------|----------------|------|
| x | 34.6     | 251.19   | 33.85                  | 15.25            | 0.24             | 5.06     | 1.00           | 0.13           | 1.00 |
| y | 46.4     | 341.34   | 34.60                  | 19.06            | 0.95             | 5.05     | 1.57           | 0.26           | 1.01 |
| z | 35.1     | 252.60   | 33.38                  | 11.83            | 0.32             | 5.04     | 1.89           | 0.01           | 1.01 |

#### Other Probe Parameters

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement                            | Triangular |
| Connector Angle                               | -28.5°     |
| 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     |

*Notes: Measurement distance from surface can be increased to 2-3 mm for 2D/3D Scan job.*

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**Parameters of Probe: EX3DV4 - SN:3697****Calibration Parameter Determined in Head Tissue Simulating Media**

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>F</sup> | Conductivity <sup>F</sup> (S/m) | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup> (mm) | Unc (k=2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-----------|
| 750                  | 41.8                               | 0.89                            | 8.92    | 8.92    | 8.92    | 0.52               | 0.80                    | ±11.0%    |
| 850                  | 41.5                               | 0.92                            | 8.59    | 8.59    | 8.59    | 0.24               | 0.80                    | ±11.0%    |
| 900                  | 41.5                               | 0.97                            | 8.38    | 8.38    | 8.38    | -0.51              | 0.80                    | ±11.0%    |
| 1750                 | 40.7                               | 1.37                            | 8.19    | 8.19    | 8.19    | 0.35               | 0.86                    | ±11.0%    |
| 1900                 | 40.0                               | 1.40                            | 8.11    | 8.11    | 8.11    | 0.31               | 0.86                    | ±11.0%    |
| 2300                 | 39.5                               | 1.67                            | 7.14    | 7.14    | 7.14    | 0.21               | 0.90                    | ±11.0%    |
| 2450                 | 39.2                               | 1.80                            | 7.21    | 7.21    | 7.21    | 0.32               | 0.90                    | ±11.0%    |
| 2600                 | 39.0                               | 1.96                            | 7.06    | 7.06    | 7.06    | 0.37               | 0.90                    | ±11.0%    |
| 5250                 | 35.9                               | 4.71                            | 4.69    | 4.69    | 4.69    | 0.40               | 1.80                    | ±13.1%    |
| 5600                 | 35.5                               | 5.07                            | 4.23    | 4.28    | 4.23    | 0.40               | 1.80                    | ±13.1%    |
| 5600                 | 35.3                               | 5.27                            | 4.30    | 4.30    | 4.30    | 0.40               | 1.80                    | ±13.1%    |

<sup>C</sup> Frequency validity above 300 MHz or >100 MHz only applies for DASV 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 320 MHz respectively. Validity of ConvF assessed at 8 MHz is <4 MHz and ConvF assessed at 15 MHz is 8-19 MHz. Above 5 GHz frequency validity can be extended to >10 MHz.

<sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate from air by less than ±5% from the target values (typically below 0.01, 0.05) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

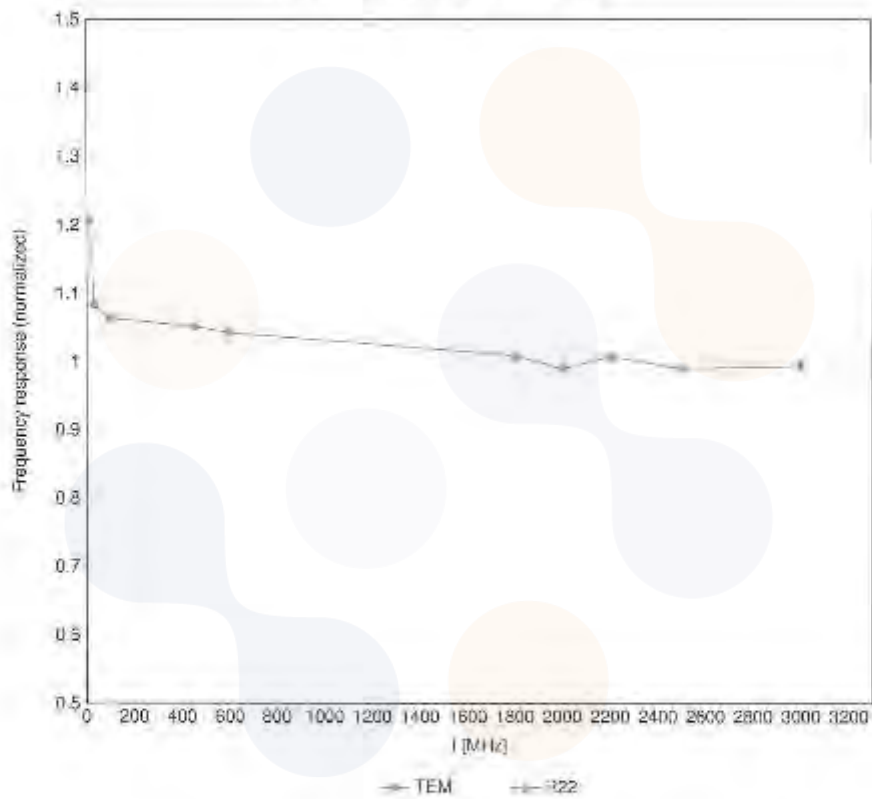
<sup>G</sup> Alpha/Depth are determined during calibration. SPTEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3-5 GHz at any distance larger than half the probe tip diameter from the boundary.

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### Frequency Response of E-Field

(TEM-Cell:111110 EXX, Waveguide:R22)

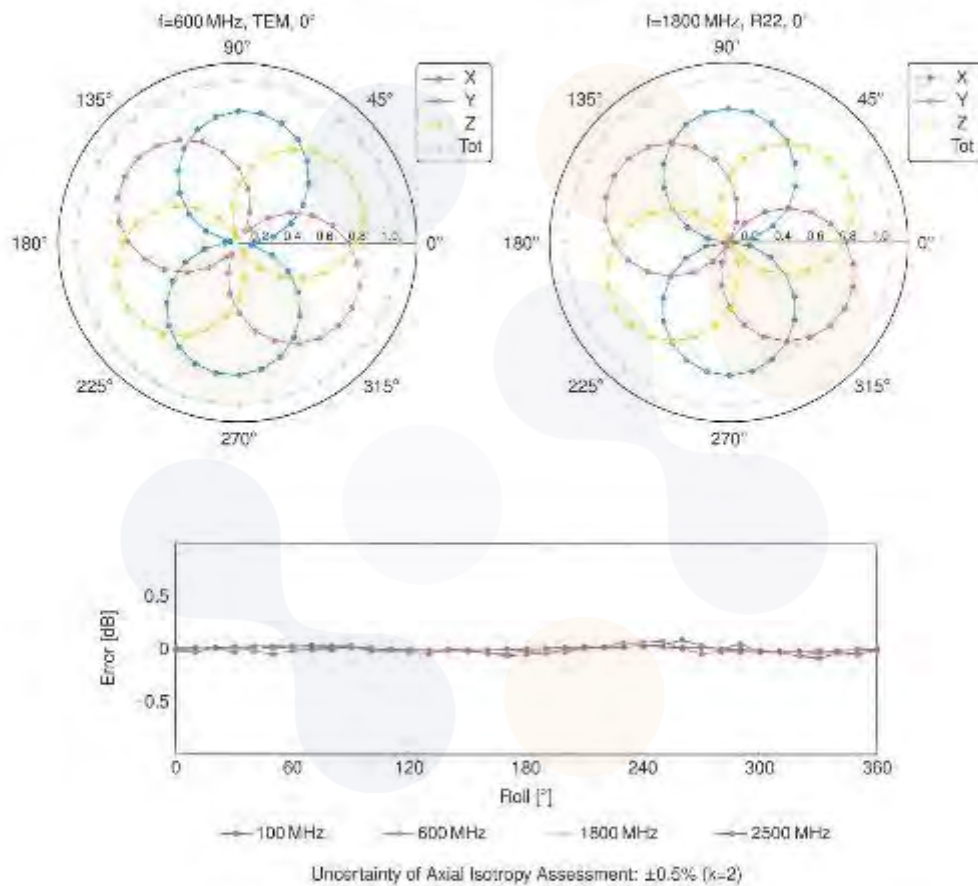


Uncertainty of Frequency Response of E-field: 6.3% (k=2)

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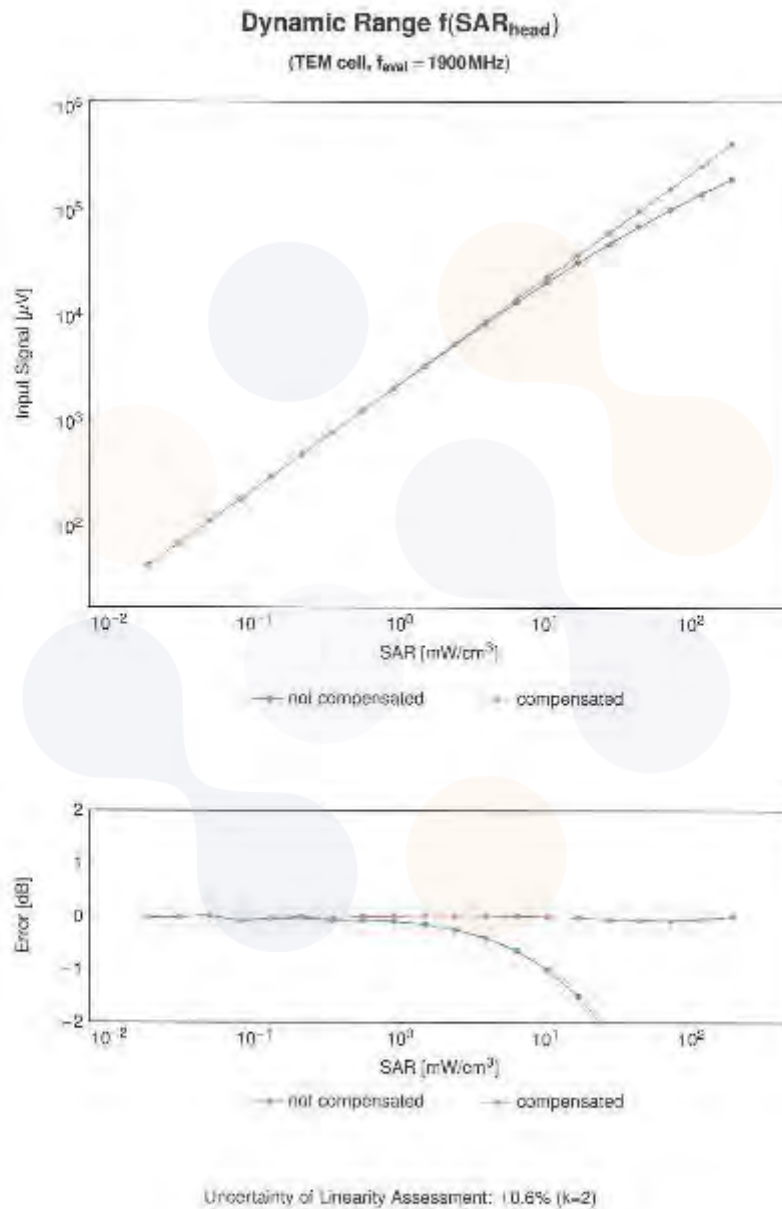
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**Receiving Pattern ( $\phi$ ),  $\theta = 0^\circ$**



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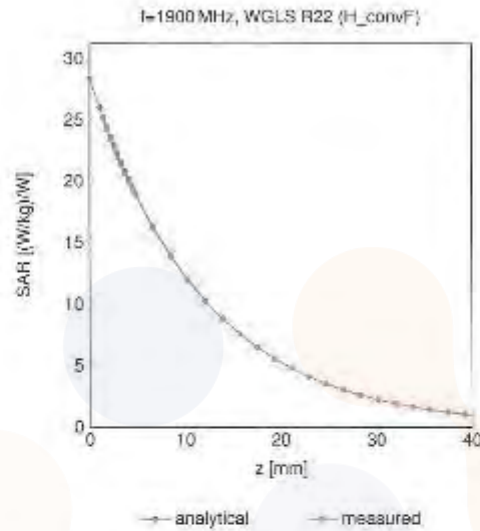




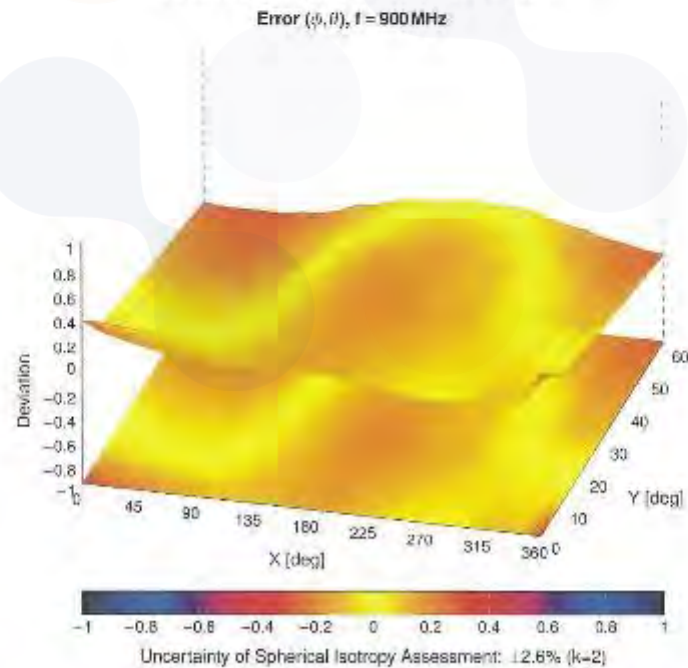
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### Conversion Factor Assessment



### Deviation from Isotropy in Liquid



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April 22, 2024

**Appendix: Modulation Calibration Parameters**

| UID   | Rev | Communication System Name                       | Group     | PAR (dB) | Unc <sup>1</sup> k = 2 |
|-------|-----|-------------------------------------------------|-----------|----------|------------------------|
| 0     |     | QW                                              | CW        | 0.00     | ±4.7                   |
| 10010 | CAB | SAR Validation (Square, 100ms, 10ms)            | Test      | 10.00    | ±0.0                   |
| 10011 | CAC | UMTS-FDD (WCDMA)                                | WCDMA     | 2.51     | ±0.8                   |
| 10012 | CAB | IEEE 802.11b WiFi 2.4GHz (DSSS, 1Mbps)          | WLAN      | 1.07     | ±0.0                   |
| 10013 | CAB | IEEE 802.11g WiFi 2.4GHz (DSSS OFDM, 6Mbps)     | WLAN      | 3.40     | ±0.0                   |
| 10024 | DAC | GSM-FDD (TDMA, GMSK)                            | GSM       | 3.39     | ±0.0                   |
| 10025 | DAC | GPRS-FDD (TDMA, GMSK, TN-0)                     | GSM       | 3.37     | ±0.0                   |
| 10026 | DAC | GPRS-FDD (TDMA, GMSK, TN-0-1)                   | GSM       | 5.56     | ±0.0                   |
| 10027 | DAC | EDGE-FDD (TDMA, 8PSK, TN-0)                     | GSM       | 12.02    | ±0.0                   |
| 10028 | DAC | EDGE-FDD (TDMA, 8PSK, TN-0-1)                   | GSM       | 3.55     | ±0.0                   |
| 10029 | DAC | GPRS-FDD (TDMA, GMSK, TN-0-2)                   | GSM       | 4.80     | ±0.0                   |
| 10029 | DAC | GPRS-FDD (TDMA, GMSK, TN-0-2-2)                 | GSM       | 3.35     | ±0.0                   |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN-0-2)                   | GSM       | 7.70     | ±0.0                   |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1)             | Bluetooth | 5.30     | ±0.0                   |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3)             | Bluetooth | 1.87     | ±0.0                   |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DHS)             | Bluetooth | 1.16     | ±0.0                   |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (P4-DQPSK, 3-1)         | Bluetooth | 7.70     | ±0.0                   |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (P4-DQPSK, 3-1)         | Bluetooth | 4.53     | ±0.0                   |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (P4-DQPSK, DHS)         | Bluetooth | 2.00     | ±0.0                   |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (B-DPSK, 3-1)           | Bluetooth | 8.01     | ±0.0                   |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (B-DPSK, 3-1)           | Bluetooth | 4.77     | ±0.0                   |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (B-DPSK, DHS)           | Bluetooth | 4.10     | ±0.0                   |
| 10039 | CAB | CDMA2000 (1XRTT, FCS)                           | CDMA2000  | 4.67     | ±0.0                   |
| 10042 | CAB | IS-64 IS-136 FDD (TDMA/FDM, P4-DQPSK, Fullrate) | AMPS      | 7.70     | ±0.0                   |
| 10044 | CAA | IS-64 IS-136 FDD (TDMA/FDM, P4-DQPSK, Fullrate) | AMPS      | 0.00     | ±0.0                   |
| 10045 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)       | DECT      | 16.80    | ±0.0                   |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)     | DECT      | 10.70    | ±0.0                   |
| 10050 | CAA | UMTS FDD (SC-FDMA, 1.8Mbps)                     | TD-SCDMA  | 11.01    | ±0.0                   |
| 10054 | DAC | EDGE-FDD (TDMA, 8PSK, TN-0-2-3)                 | GSM       | 5.50     | ±0.0                   |
| 10059 | CAB | IEEE 802.11b WiFi 2.4GHz (DSSS, 2Mbps)          | WLAN      | 2.10     | ±0.0                   |
| 10060 | CAB | IEEE 802.11b WiFi 2.4GHz (DSSS, 5.5Mbps)        | WLAN      | 2.00     | ±0.0                   |
| 10061 | CAB | IEEE 802.11b WiFi 2.4GHz (DSSS, 11Mbps)         | WLAN      | 3.60     | ±0.0                   |
| 10062 | CAB | IEEE 802.11ah WiFi 6GHz (OFDM, 6Mbps)           | WLAN      | 9.50     | ±0.0                   |
| 10063 | CAB | IEEE 802.11ah WiFi 6GHz (OFDM, 9Mbps)           | WLAN      | 8.53     | ±0.0                   |
| 10064 | CAB | IEEE 802.11ah WiFi 6GHz (OFDM, 12Mbps)          | WLAN      | 3.00     | ±0.0                   |
| 10065 | CAB | IEEE 802.11ah WiFi 6GHz (OFDM, 18Mbps)          | WLAN      | 3.00     | ±0.0                   |
| 10066 | CAB | IEEE 802.11ah WiFi 6GHz (OFDM, 24Mbps)          | WLAN      | 3.00     | ±0.0                   |
| 10067 | CAB | IEEE 802.11ah WiFi 6GHz (OFDM, 36Mbps)          | WLAN      | 10.12    | ±0.0                   |
| 10068 | CAB | IEEE 802.11ah WiFi 6GHz (OFDM, 48Mbps)          | WLAN      | 10.20    | ±0.0                   |
| 10069 | CAB | IEEE 802.11ah WiFi 6GHz (OFDM, 54Mbps)          | WLAN      | 10.50    | ±0.0                   |
| 10071 | DAB | IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 9Mbps)     | WLAN      | 3.83     | ±0.0                   |
| 10072 | DAB | IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 12Mbps)    | WLAN      | 3.83     | ±0.0                   |
| 10073 | DAB | IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 18Mbps)    | WLAN      | 3.80     | ±0.0                   |
| 10074 | DAB | IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 24Mbps)    | WLAN      | 10.30    | ±0.0                   |
| 10075 | DAB | IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 36Mbps)    | WLAN      | 10.70    | ±0.0                   |
| 10076 | DAB | IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 48Mbps)    | WLAN      | 10.80    | ±0.0                   |
| 10077 | DAB | IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 54Mbps)    | WLAN      | 11.00    | ±0.0                   |
| 10081 | DAB | CDMA2000 (1XRTT, FCS)                           | CDMA2000  | 5.67     | ±0.0                   |
| 10082 | CAB | IS-64 IS-136 FDD (TDMA/FDM, P4-DQPSK, Fullrate) | AMPS      | 4.77     | ±0.0                   |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN-0-2)                   | GSM       | 6.56     | ±0.0                   |
| 10097 | CAC | UMTS-FDD (HSPA)                                 | WCDMA     | 3.80     | ±0.0                   |
| 10098 | CAC | UMTS-FDD (HSPA, Subtest 2)                      | WCDMA     | 3.80     | ±0.0                   |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN-0-4)                   | GSM       | 3.55     | ±0.0                   |
| 10100 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)        | LTE-FDD   | 5.60     | ±0.0                   |
| 10101 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)      | LTE-FDD   | 3.10     | ±0.0                   |
| 10102 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)      | LTE-FDD   | 3.00     | ±0.0                   |
| 10103 | CAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)        | LTE-TDD   | 9.20     | ±0.0                   |
| 10104 | CAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)      | LTE-TDD   | 9.97     | ±0.0                   |
| 10105 | CAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)      | LTE-TDD   | 10.01    | ±0.0                   |
| 10106 | CAF | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)        | LTE-FDD   | 5.00     | ±0.0                   |
| 10107 | CAF | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)      | LTE-FDD   | 6.40     | ±0.0                   |
| 10110 | CAF | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)         | LTE-FDD   | 5.75     | ±0.0                   |
| 10111 | CAF | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)       | LTE-FDD   | 6.44     | ±0.0                   |

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| UID   | Rev | Communication System Name                      | Group   | PAR (dB) | Unc <sup>F</sup> k = 2 |
|-------|-----|------------------------------------------------|---------|----------|------------------------|
| 10112 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)     | LTE-FDD | 6.50     | ±9.6                   |
| 10113 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)      | LTE-FDD | 6.62     | ±9.6                   |
| 10114 | CAE | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)  | WLAN    | 8.10     | ±9.6                   |
| 10115 | CAE | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)  | WLAN    | 8.46     | ±9.6                   |
| 10116 | CAE | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN    | 8.16     | ±9.6                   |
| 10117 | CAE | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)       | WLAN    | 8.07     | ±9.6                   |
| 10118 | CAE | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)       | WLAN    | 8.59     | ±9.6                   |
| 10119 | CAE | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)      | WLAN    | 8.13     | ±9.6                   |
| 10140 | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)     | LTE-FDD | 8.49     | ±9.6                   |
| 10141 | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)     | LTE-FDD | 8.53     | ±9.6                   |
| 10142 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)        | LTE-FDD | 5.73     | ±9.6                   |
| 10143 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)      | LTE-FDD | 6.35     | ±9.6                   |
| 10144 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)      | LTE-FDD | 6.85     | ±9.6                   |
| 10145 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)      | LTE-FDD | 5.76     | ±9.6                   |
| 10146 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)    | LTE-FDD | 6.41     | ±9.6                   |
| 10147 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)    | LTE-FDD | 6.72     | ±9.6                   |
| 10149 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)      | LTE-FDD | 8.42     | ±9.6                   |
| 10150 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)      | LTE-FDD | 8.80     | ±9.6                   |
| 10151 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)        | LTE-TDD | 9.29     | ±9.6                   |
| 10152 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)      | LTE-TDD | 9.92     | ±9.6                   |
| 10153 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)      | LTE-TDD | 10.05    | ±9.6                   |
| 10154 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)        | LTE-FDD | 5.75     | ±9.6                   |
| 10155 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)      | LTE-FDD | 6.43     | ±9.6                   |
| 10156 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         | LTE-FDD | 5.79     | ±9.6                   |
| 10157 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)       | LTE-FDD | 6.48     | ±9.6                   |
| 10158 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)      | LTE-FDD | 6.62     | ±9.6                   |
| 10159 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)       | LTE-FDD | 6.68     | ±9.6                   |
| 10160 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)        | LTE-FDD | 5.82     | ±9.6                   |
| 10161 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)      | LTE-FDD | 6.43     | ±9.6                   |
| 10162 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)      | LTE-FDD | 6.60     | ±9.6                   |
| 10168 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)       | LTE-FDD | 5.46     | ±9.6                   |
| 10167 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)     | LTE-FDD | 6.21     | ±9.6                   |
| 10168 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)     | LTE-FDD | 6.79     | ±9.6                   |
| 10169 | CAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)          | LTE-FDD | 5.73     | ±9.6                   |
| 10170 | CAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)        | LTE-FDD | 6.52     | ±9.6                   |
| 10171 | AAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)        | LTE-FDD | 6.40     | ±9.6                   |
| 10172 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)          | LTE-TDD | 9.21     | ±9.6                   |
| 10173 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)        | LTE-TDD | 9.48     | ±9.6                   |
| 10174 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)        | LTE-TDD | 10.25    | ±9.6                   |
| 10175 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)          | LTE-FDD | 5.72     | ±9.6                   |
| 10176 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)        | LTE-FDD | 6.52     | ±9.6                   |
| 10177 | CAJ | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)           | LTE-FDD | 5.73     | ±9.6                   |
| 10178 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         | LTE-FDD | 6.52     | ±9.6                   |
| 10179 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)        | LTE-FDD | 6.50     | ±9.6                   |
| 10180 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         | LTE-FDD | 6.50     | ±9.6                   |
| 10181 | CAF | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)          | LTE-FDD | 5.72     | ±9.6                   |
| 10182 | CAF | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)        | LTE-FDD | 6.52     | ±9.6                   |
| 10183 | AAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)        | LTE-FDD | 6.50     | ±9.6                   |
| 10184 | CAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)           | LTE-FDD | 5.73     | ±9.6                   |
| 10185 | CAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         | LTE-FDD | 6.51     | ±9.6                   |
| 10186 | AAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         | LTE-FDD | 6.50     | ±9.6                   |
| 10187 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         | LTE-FDD | 5.73     | ±9.6                   |
| 10188 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)       | LTE-FDD | 6.52     | ±9.6                   |
| 10189 | AAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)       | LTE-FDD | 6.50     | ±9.6                   |
| 10193 | CAE | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)   | WLAN    | 8.09     | ±9.6                   |
| 10194 | CAE | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)  | WLAN    | 8.12     | ±9.6                   |
| 10195 | CAE | IEEE 802.11n (HT Greenfield, 85 Mbps, 64-QAM)  | WLAN    | 8.21     | ±9.6                   |
| 10196 | CAF | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)        | WLAN    | 8.10     | ±9.6                   |
| 10197 | CAE | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)       | WLAN    | 8.13     | ±9.6                   |
| 10198 | CAE | IEEE 802.11n (HT Mixed, 85 Mbps, 64-QAM)       | WLAN    | 8.27     | ±9.6                   |
| 10219 | CAE | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)        | WLAN    | 8.03     | ±9.6                   |
| 10220 | CAE | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)     | WLAN    | 8.13     | ±9.6                   |
| 10221 | CAE | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)     | WLAN    | 8.27     | ±9.6                   |
| 10222 | CAE | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)         | WLAN    | 8.06     | ±9.6                   |
| 10223 | CAE | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)       | WLAN    | 8.46     | ±9.6                   |
| 10224 | CAE | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)      | WLAN    | 8.00     | ±9.6                   |



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| UID   | Rev | Communication System Name                                          | Group    | PAR (dB) | Unc <sup>k</sup> k = 2 |
|-------|-----|--------------------------------------------------------------------|----------|----------|------------------------|
| 10225 | CAC | UMTS-FDD (HSRPA+)                                                  | WCDMA    | 5.97     | ±9.6                   |
| 10226 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)                           | LTE-TDD  | 9.46     | ±9.6                   |
| 10227 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)                           | LTE-TDD  | 10.26    | ±9.6                   |
| 10228 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)                             | LTE-TDD  | 9.22     | ±9.6                   |
| 10229 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)                             | LTE-TDD  | 9.46     | ±9.6                   |
| 10230 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)                             | LTE-TDD  | 10.25    | ±9.6                   |
| 10231 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)                               | LTE-TDD  | 9.19     | ±9.6                   |
| 10232 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)                             | LTE-TDD  | 9.48     | ±9.6                   |
| 10233 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)                             | LTE-TDD  | 10.25    | ±9.6                   |
| 10234 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)                               | LTE-TDD  | 9.21     | ±9.6                   |
| 10235 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)                            | LTE-TDD  | 9.49     | ±9.6                   |
| 10236 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)                            | LTE-TDD  | 10.25    | ±9.6                   |
| 10237 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)                              | LTE-TDD  | 9.21     | ±9.6                   |
| 10238 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)                            | LTE-TDD  | 9.48     | ±9.6                   |
| 10239 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)                            | LTE-TDD  | 10.25    | ±9.6                   |
| 10240 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)                              | LTE-TDD  | 9.21     | ±9.6                   |
| 10241 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)                         | LTE-TDD  | 9.82     | ±9.6                   |
| 10242 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)                         | LTE-TDD  | 9.86     | ±9.6                   |
| 10243 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)                           | LTE-TDD  | 9.46     | ±9.6                   |
| 10244 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                           | LTE-TDD  | 10.06    | ±9.6                   |
| 10245 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                           | LTE-TDD  | 10.06    | ±9.6                   |
| 10246 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                             | LTE-TDD  | 9.30     | ±9.6                   |
| 10247 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)                           | LTE-TDD  | 9.91     | ±9.6                   |
| 10248 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)                           | LTE-TDD  | 10.09    | ±9.6                   |
| 10249 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)                             | LTE-TDD  | 9.29     | ±9.6                   |
| 10250 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)                          | LTE-TDD  | 9.81     | ±9.6                   |
| 10251 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)                          | LTE-TDD  | 10.17    | ±9.6                   |
| 10252 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)                            | LTE-TDD  | 9.24     | ±9.6                   |
| 10253 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)                          | LTE-TDD  | 9.80     | ±9.6                   |
| 10254 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)                          | LTE-TDD  | 10.14    | ±9.6                   |
| 10255 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)                            | LTE-TDD  | 9.20     | ±9.6                   |
| 10256 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)                        | LTE-TDD  | 9.96     | ±9.6                   |
| 10257 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)                        | LTE-TDD  | 10.08    | ±9.6                   |
| 10258 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)                          | LTE-TDD  | 9.54     | ±9.6                   |
| 10259 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)                          | LTE-TDD  | 9.96     | ±9.6                   |
| 10260 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)                          | LTE-TDD  | 9.97     | ±9.6                   |
| 10261 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)                            | LTE-TDD  | 9.24     | ±9.6                   |
| 10262 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)                          | LTE-TDD  | 9.83     | ±9.6                   |
| 10263 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)                          | LTE-TDD  | 10.16    | ±9.6                   |
| 10264 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)                            | LTE-TDD  | 9.23     | ±9.6                   |
| 10265 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)                         | LTE-TDD  | 9.92     | ±9.6                   |
| 10266 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)                         | LTE-TDD  | 10.07    | ±9.6                   |
| 10267 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)                           | LTE-TDD  | 9.30     | ±9.6                   |
| 10268 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)                         | LTE-TDD  | 10.06    | ±9.6                   |
| 10269 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)                         | LTE-TDD  | 10.13    | ±9.6                   |
| 10270 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                           | LTE-TDD  | 9.58     | ±9.6                   |
| 10274 | CAC | UMTS-FDD (HSRPA, Success 5, 3GPP Rel.10)                           | WCDMA    | 4.87     | ±9.6                   |
| 10275 | CAC | UMTS-FDD (HSRPA, Success 5, 3GPP Rel.4)                            | WCDMA    | 3.96     | ±9.6                   |
| 10277 | CAA | PHS (QPSK)                                                         | PHS      | 11.81    | ±9.6                   |
| 10278 | CAA | PHS (QPSK, BW 664MHz, RollOff 0.5)                                 | PHS      | 11.81    | ±9.6                   |
| 10279 | CAA | PHS (QPSK, BW 664MHz, RollOff 0.36)                                | PHS      | 12.18    | ±9.6                   |
| 10290 | AAB | CDMA2000, RC1, SC66, Full Rate                                     | CDMA2000 | 3.91     | ±9.6                   |
| 10291 | AAB | CDMA2000, RC3, SC66, Full Rate                                     | CDMA2000 | 3.46     | ±9.6                   |
| 10292 | AAB | CDMA2000, RC3, SC66, Full Rate                                     | CDMA2000 | 3.39     | ±9.6                   |
| 10293 | AAB | CDMA2000, RC3, SC66, Full Rate                                     | CDMA2000 | 3.50     | ±9.6                   |
| 10295 | AAB | CDMA2000, RC1, SC66, 1/8th Rate 25 tr.                             | CDMA2000 | 12.49    | ±9.6                   |
| 10297 | AAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                            | LTE-FDD  | 5.81     | ±9.6                   |
| 10298 | AAF | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                             | LTE-FDD  | 5.72     | ±9.6                   |
| 10299 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                           | LTE-FDD  | 6.39     | ±9.6                   |
| 10300 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                           | LTE-FDD  | 6.80     | ±9.6                   |
| 10301 | AAA | IEEE 802.16e WIMAX (20:18, 5ms, 10MHz, QPSK, PUSC)                 | WIMAX    | 12.03    | ±9.6                   |
| 10302 | AAA | IEEE 802.16e WIMAX (20:18, 5ms, 10MHz, QPSK, PUSC, 3 CPRL symbols) | 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 (20:18, 5ms, 10MHz, 64QAM, PUSC)                | WIMAX    | 11.86    | ±9.6                   |
| 10305 | AAA | IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)   | WIMAX    | 15.24    | ±9.6                   |
| 10306 | AAA | IEEE 802.16e WIMAX (20:18, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)   | WIMAX    | 14.67    | ±9.6                   |

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| UID   | Rev | Communication System Name                                                        | Group    | PAR (dB) | Unc. # = 2 |
|-------|-----|----------------------------------------------------------------------------------|----------|----------|------------|
| 10307 | AAA | IEEE 802.16e WIMAX (2018, 10 ms, 10 MHz, D-SSS, FUSC, 16 symbols)                | WIMAX    | 14.49    | +5.8       |
| 10308 | AAA | IEEE 802.16e WIMAX (2018, 10 ms, 10 MHz, 16QAM, FUSC)                            | WIMAX    | 14.46    | +5.8       |
| 10309 | AAA | IEEE 802.16e WIMAX (2018, 10 ms, 10 MHz, 16QAM, AMC 2x3, 16 symbols)             | WIMAX    | 14.58    | +5.8       |
| 10310 | AAA | IEEE 802.16e WIMAX (2018, 10 ms, 10 MHz, QPSK, AMC 2x3, 16 symbols)              | WIMAX    | 14.57    | +5.8       |
| 10311 | AAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                                         | LTE-FDD  | 8.98     | +9.6       |
| 10312 | AAA | IDEN 1x                                                                          | IDEN     | 10.51    | +9.0       |
| 10314 | AAA | IDEN 1x                                                                          | IDEN     | 19.48    | +9.0       |
| 10315 | AAE | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99% duty cycle)                         | WLAN     | 1.71     | +9.6       |
| 10316 | AAE | IEEE 802.11g WiFi 2.4 GHz (ERP OFDM, 5 Mbps, 99% duty cycle)                     | WLAN     | 8.38     | +9.6       |
| 10317 | AAE | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 99% duty cycle)                           | WLAN     | 8.88     | +9.6       |
| 10352 | AAA | Pulse Waveform (200Hz, 10%)                                                      | Generic  | 10.00    | +9.6       |
| 10353 | AAA | Pulse Waveform (200Hz, 20%)                                                      | Generic  | 8.98     | +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  | 0.99     | +9.0       |
| 10357 | AAA | QPSK Waveform, 15 kHz                                                            | Generic  | 5.10     | +9.6       |
| 10358 | AAA | QPSK Waveform, 10 MHz                                                            | Generic  | 5.22     | +9.6       |
| 10396 | AAA | 64-QAM Waveform, 100 MHz                                                         | Generic  | 6.27     | +9.6       |
| 10399 | AAA | 64-QAM Waveform, 40 MHz                                                          | Generic  | 6.27     | +9.6       |
| 10400 | AAF | IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99% duty cycle)                              | WLAN     | 8.37     | +9.6       |
| 10401 | AAF | IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99% duty cycle)                              | WLAN     | 8.60     | +9.6       |
| 10402 | AAF | IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99% duty cycle)                              | WLAN     | 8.52     | +9.6       |
| 10409 | AAB | CDMA2000 1X-EV-DO, Rev. C                                                        | CDMA2000 | 5.78     | +9.9       |
| 10404 | AAB | CDMA2000 1X-EV-DO, Rev. A                                                        | CDMA2000 | 5.77     | +9.9       |
| 10409 | AAB | CDMA2000, RCS, 8000, 50Hz, Full Rate                                             | CDMA2000 | 5.22     | +9.9       |
| 10410 | AAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Control) | LTE-TDD  | 7.82     | +9.6       |
| 10414 | AAA | WLAN IEEE 802.11n (HT Greenfield, 40 MHz)                                        | Generic  | 6.54     | +9.6       |
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99% duty cycle)                         | WLAN     | 1.54     | +9.6       |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP OFDM, 5 Mbps, 99% duty cycle)                     | WLAN     | 8.22     | +9.6       |
| 10417 | AAE | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 99% duty cycle)                           | WLAN     | 8.29     | +9.6       |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99% duty cycle, Long preamble)     | WLAN     | 8.14     | +9.6       |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99% duty cycle, Short preamble)    | WLAN     | 8.19     | +9.6       |
| 10422 | AAE | IEEE 802.11n (HT Greenfield, 7.2 Mbps, 99% duty cycle)                           | WLAN     | 8.32     | +9.6       |
| 10423 | AAE | IEEE 802.11n (HT Greenfield, 45.5 Mbps, 99% duty cycle)                          | WLAN     | 8.47     | +9.6       |
| 10424 | AAE | IEEE 802.11n (HT Greenfield, 79.2 Mbps, 99% duty cycle)                          | WLAN     | 8.40     | +9.6       |
| 10425 | AAE | IEEE 802.11n (HT Greenfield, 15 Mbps, 99% duty cycle)                            | WLAN     | 8.41     | +9.6       |
| 10426 | AAE | IEEE 802.11n (HT Greenfield, 30 Mbps, 99% duty cycle)                            | WLAN     | 8.45     | +9.6       |
| 10427 | AAE | IEEE 802.11n (HT Greenfield, 160 Mbps, 99% duty cycle)                           | WLAN     | 8.41     | +9.6       |
| 10430 | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                                                 | LTE-FDD  | 8.38     | +9.6       |
| 10431 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                                                | LTE-FDD  | 8.38     | +9.6       |
| 10432 | AAE | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                                                | LTE-FDD  | 8.34     | +9.6       |
| 10433 | AAE | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                                                | LTE-FDD  | 8.36     | +9.6       |
| 10434 | AAE | W-CDMA (BS-TS3 Model 1, 64 QPSK)                                                 | WCDMA    | 8.60     | +9.6       |
| 10435 | AAE | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                   | LTE-TDD  | 7.82     | +9.6       |
| 10447 | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)                                   | LTE-FDD  | 7.58     | +9.6       |
| 10448 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)                                  | LTE-FDD  | 7.53     | +9.6       |
| 10449 | AAE | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)                                  | LTE-FDD  | 7.51     | +9.6       |
| 10450 | AAE | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)                                  | LTE-FDD  | 7.40     | +9.6       |
| 10451 | AAE | W-CDMA (BS-TS3 Model 1, 64 QPSK, Clipping 44%)                                   | WCDMA    | 7.59     | +9.6       |
| 10455 | AAE | Velocity (Square, 10 ms, 1 ms)                                                   | Test     | 10.00    | +9.6       |
| 10456 | AAE | IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99% duty cycle)                              | WLAN     | 8.63     | +9.6       |
| 10457 | AAE | UMTS-FDD (DC-HSDPA)                                                              | WCDMA    | 6.62     | +9.6       |
| 10458 | AAA | CDMA2000 1X-EV-DO, Rev. B, 2 carriers                                            | CDMA2000 | 6.55     | +9.6       |
| 10459 | AAA | CDMA2000 1X-EV-DO, Rev. B, 3 carriers                                            | CDMA2000 | 6.25     | +9.6       |
| 10460 | AAE | UMTS-FDD (WCDMA, AMR)                                                            | WCDMA    | 6.09     | +9.6       |
| 10461 | AAE | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 7.82     | +9.6       |
| 10462 | AAE | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 8.30     | +9.6       |
| 10463 | AAE | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 8.56     | +9.6       |
| 10464 | AAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                    | LTE-TDD  | 7.82     | +9.6       |
| 10465 | AAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 8.32     | +9.6       |
| 10466 | AAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 8.57     | +9.6       |
| 10467 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                    | LTE-TDD  | 7.82     | +9.6       |
| 10468 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 8.32     | +9.6       |
| 10469 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 8.58     | +9.6       |
| 10470 | AAE | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                   | LTE-TDD  | 7.82     | +9.6       |
| 10471 | AAE | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 8.32     | +9.6       |

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| UID   | Rev | Communication System Name                                            | Group   | PAR (dB) | Unc <sup>F</sup> k = 2 |
|-------|-----|----------------------------------------------------------------------|---------|----------|------------------------|
| 10472 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | +9.6                   |
| 10473 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)       | LTE-TDD | 7.82     | +9.6                   |
| 10474 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.32     | +9.6                   |
| 10475 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | +9.6                   |
| 10477 | AAI | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.32     | +9.6                   |
| 10478 | AAI | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | +9.6                   |
| 10479 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | +9.6                   |
| 10480 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.18     | +9.6                   |
| 10481 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.45     | +9.6                   |
| 10482 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)      | LTE-TDD | 7.71     | +9.6                   |
| 10483 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.39     | +9.6                   |
| 10484 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.47     | +9.6                   |
| 10485 | AAI | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)      | LTE-TDD | 7.59     | +9.6                   |
| 10486 | AAI | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.30     | +9.6                   |
| 10487 | AAI | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.60     | +9.6                   |
| 10488 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.70     | +9.6                   |
| 10489 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.31     | +9.6                   |
| 10490 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | +9.6                   |
| 10491 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.74     | +9.6                   |
| 10492 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.41     | +9.6                   |
| 10493 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.55     | +9.6                   |
| 10494 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.74     | +9.6                   |
| 10495 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.37     | +9.6                   |
| 10496 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | +9.6                   |
| 10497 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 7.67     | +9.6                   |
| 10498 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.40     | +9.6                   |
| 10499 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.68     | +9.6                   |
| 10500 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.67     | +9.6                   |
| 10501 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.44     | +9.6                   |
| 10502 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.52     | +9.6                   |
| 10503 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.72     | +9.6                   |
| 10504 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.31     | +9.6                   |
| 10505 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | +9.6                   |
| 10506 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | +9.6                   |
| 10507 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.36     | +9.6                   |
| 10508 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.55     | +9.6                   |
| 10509 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.69     | +9.6                   |
| 10510 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.49     | +9.6                   |
| 10511 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.51     | +9.6                   |
| 10512 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | +9.6                   |
| 10513 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.42     | +9.6                   |
| 10514 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.45     | +9.6                   |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)            | WLAN    | 1.56     | +9.6                   |
| 10516 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)          | WLAN    | 1.57     | +9.6                   |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)           | WLAN    | 1.58     | +9.6                   |
| 10518 | AAD | IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)            | WLAN    | 9.23     | +9.6                   |
| 10519 | AAD | IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)           | WLAN    | 9.39     | +9.6                   |
| 10520 | AAD | IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)           | WLAN    | 9.12     | +9.6                   |
| 10521 | AAD | IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)           | WLAN    | 7.97     | +9.6                   |
| 10522 | AAD | IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)           | WLAN    | 8.45     | +9.6                   |
| 10523 | AAD | IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)           | WLAN    | 8.08     | +9.6                   |
| 10524 | AAD | IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)           | WLAN    | 8.27     | +9.6                   |
| 10525 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)                   | WLAN    | 8.38     | +9.6                   |
| 10526 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)                   | WLAN    | 8.42     | +9.6                   |
| 10527 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)                   | WLAN    | 8.21     | +9.6                   |
| 10528 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)                   | WLAN    | 8.36     | +9.6                   |
| 10529 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)                   | WLAN    | 8.36     | +9.6                   |
| 10531 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)                   | WLAN    | 8.43     | +9.6                   |
| 10532 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)                   | WLAN    | 8.29     | +9.6                   |
| 10533 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)                   | WLAN    | 8.38     | +9.6                   |
| 10534 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)                   | WLAN    | 8.45     | +9.6                   |
| 10535 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)                   | WLAN    | 8.45     | +9.6                   |
| 10536 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)                   | WLAN    | 8.32     | +9.6                   |
| 10537 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)                   | WLAN    | 8.44     | +9.6                   |
| 10539 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)                   | WLAN    | 9.54     | +9.6                   |
| 10540 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)                   | WLAN    | 8.39     | +9.6                   |

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| UID   | Rev | Communication System Name                                      | Group | PAR (dB) | Unc <sup>2</sup> # = 2 |
|-------|-----|----------------------------------------------------------------|-------|----------|------------------------|
| 10541 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)             | WLAN  | 8.18     | +9.6                   |
| 10542 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)             | WLAN  | 8.15     | +9.6                   |
| 10543 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)             | WLAN  | 8.15     | +9.6                   |
| 10544 | AAD | IEEE 802.11ac WiFi (60 MHz, MCS9, 90pc duty cycle)             | WLAN  | 8.47     | +9.6                   |
| 10545 | AAD | IEEE 802.11ac WiFi (60 MHz, MCS7, 90pc duty cycle)             | WLAN  | 8.65     | +9.6                   |
| 10546 | AAD | IEEE 802.11ac WiFi (60 MHz, MCS2, 90pc duty cycle)             | WLAN  | 8.35     | +9.6                   |
| 10547 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)             | WLAN  | 8.45     | +9.6                   |
| 10548 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)             | WLAN  | 8.37     | +9.6                   |
| 10549 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)             | WLAN  | 8.38     | +9.6                   |
| 10551 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)             | WLAN  | 8.60     | +9.6                   |
| 10552 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)             | WLAN  | 8.42     | +9.6                   |
| 10553 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)             | WLAN  | 8.45     | +9.6                   |
| 10554 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)            | WLAN  | 8.48     | +9.6                   |
| 10555 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)            | WLAN  | 8.47     | +9.6                   |
| 10556 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)            | WLAN  | 8.50     | +9.6                   |
| 10557 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)            | WLAN  | 8.52     | +9.6                   |
| 10558 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)            | WLAN  | 8.51     | +9.6                   |
| 10559 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)            | WLAN  | 8.73     | +9.6                   |
| 10560 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)            | WLAN  | 8.65     | +9.6                   |
| 10561 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)            | WLAN  | 8.69     | +9.6                   |
| 10562 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)            | WLAN  | 8.69     | +9.6                   |
| 10563 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)            | WLAN  | 8.77     | +9.6                   |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9Mbps, 90pc duty cycle)  | WLAN  | 8.25     | +9.6                   |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12Mbps, 90pc duty cycle) | WLAN  | 8.45     | +9.6                   |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18Mbps, 90pc duty cycle) | WLAN  | 8.13     | +9.6                   |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24Mbps, 90pc duty cycle) | WLAN  | 8.10     | +9.6                   |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36Mbps, 90pc duty cycle) | WLAN  | 8.37     | +9.6                   |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48Mbps, 90pc duty cycle) | WLAN  | 8.10     | +9.6                   |
| 10570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54Mbps, 90pc duty cycle) | WLAN  | 8.30     | +9.6                   |
| 10571 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1Mbps, 90pc duty cycle)       | WLAN  | 1.88     | +9.6                   |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2Mbps, 90pc duty cycle)       | WLAN  | 1.88     | +9.6                   |
| 10573 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 3Mbps, 90pc duty cycle)       | WLAN  | 1.98     | +9.6                   |
| 10574 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 4Mbps, 90pc duty cycle)       | WLAN  | 1.98     | +9.6                   |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 5Mbps, 90pc duty cycle)  | WLAN  | 3.65     | +9.6                   |
| 10576 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9Mbps, 90pc duty cycle)  | WLAN  | 3.60     | +9.6                   |
| 10577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12Mbps, 90pc duty cycle) | WLAN  | 3.70     | +9.6                   |
| 10578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18Mbps, 90pc duty cycle) | WLAN  | 3.48     | +9.6                   |
| 10579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24Mbps, 90pc duty cycle) | WLAN  | 3.38     | +9.6                   |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36Mbps, 90pc duty cycle) | WLAN  | 3.70     | +9.6                   |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48Mbps, 90pc duty cycle) | WLAN  | 3.35     | +9.6                   |
| 10582 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54Mbps, 90pc duty cycle) | WLAN  | 3.67     | +9.6                   |
| 10583 | AAD | IEEE 802.11a/n WiFi 5GHz (OFDM, 6Mbps, 90pc duty cycle)        | WLAN  | 8.59     | +9.6                   |
| 10584 | AAD | IEEE 802.11a/n WiFi 5GHz (OFDM, 9Mbps, 90pc duty cycle)        | WLAN  | 8.60     | +9.6                   |
| 10585 | AAD | IEEE 802.11a/n WiFi 5GHz (OFDM, 12Mbps, 90pc duty cycle)       | WLAN  | 8.70     | +9.6                   |
| 10586 | AAD | IEEE 802.11a/n WiFi 5GHz (OFDM, 18Mbps, 90pc duty cycle)       | WLAN  | 8.64     | +9.6                   |
| 10587 | AAD | IEEE 802.11a/n WiFi 5GHz (OFDM, 24Mbps, 90pc duty cycle)       | WLAN  | 8.78     | +9.6                   |
| 10588 | AAD | IEEE 802.11a/n WiFi 5GHz (OFDM, 36Mbps, 90pc duty cycle)       | WLAN  | 8.70     | +9.6                   |
| 10589 | AAD | IEEE 802.11a/n WiFi 5GHz (OFDM, 48Mbps, 90pc duty cycle)       | WLAN  | 8.95     | +9.6                   |
| 10590 | AAD | IEEE 802.11a/n WiFi 5GHz (OFDM, 54Mbps, 90pc duty cycle)       | WLAN  | 8.87     | +9.6                   |
| 10591 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS0, 90pc duty cycle           | WLAN  | 8.83     | +9.6                   |
| 10592 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS1, 90pc duty cycle           | WLAN  | 8.79     | +9.6                   |
| 10593 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS2, 90pc duty cycle           | WLAN  | 8.64     | +9.6                   |
| 10594 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS3, 90pc duty cycle           | WLAN  | 8.74     | +9.6                   |
| 10595 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS4, 90pc duty cycle           | WLAN  | 8.74     | +9.6                   |
| 10596 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS5, 90pc duty cycle           | WLAN  | 8.71     | +9.6                   |
| 10597 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS6, 90pc duty cycle           | WLAN  | 8.72     | +9.6                   |
| 10598 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS7, 90pc duty cycle           | WLAN  | 8.50     | +9.6                   |
| 10599 | AAD | IEEE 802.11n HT Mixed, 40 MHz, MCS0, 90pc duty cycle           | WLAN  | 8.78     | +9.6                   |
| 10600 | AAD | IEEE 802.11n HT Mixed, 40 MHz, MCS1, 90pc duty cycle           | WLAN  | 8.68     | +9.6                   |
| 10601 | AAD | IEEE 802.11n HT Mixed, 40 MHz, MCS2, 90pc duty cycle           | WLAN  | 8.82     | +9.6                   |
| 10602 | AAD | IEEE 802.11n HT Mixed, 40 MHz, MCS3, 90pc duty cycle           | WLAN  | 8.94     | +9.6                   |
| 10603 | AAD | IEEE 802.11n HT Mixed, 40 MHz, MCS4, 90pc duty cycle           | WLAN  | 9.03     | +9.6                   |
| 10604 | AAD | IEEE 802.11n HT Mixed, 40 MHz, MCS5, 90pc duty cycle           | WLAN  | 8.75     | +9.6                   |
| 10605 | AAD | IEEE 802.11n HT Mixed, 40 MHz, MCS6, 90pc duty cycle           | WLAN  | 8.97     | +9.6                   |
| 10606 | AAD | IEEE 802.11n HT Mixed, 40 MHz, MCS7, 90pc duty cycle           | WLAN  | 9.92     | +9.6                   |
| 10607 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)             | WLAN  | 8.64     | +9.6                   |
| 10608 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)             | WLAN  | 8.77     | +9.6                   |

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| UID   | Rev | Communication System Name                            | Group     | PAR (dB) | Unc <sup>1</sup> k = 2 |
|-------|-----|------------------------------------------------------|-----------|----------|------------------------|
| 10009 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)   | WLAN      | 8.51     | +9.5                   |
| 10010 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)   | WLAN      | 8.76     | +9.5                   |
| 10011 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)   | WLAN      | 8.70     | +9.5                   |
| 10012 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)   | WLAN      | 8.77     | +9.5                   |
| 10013 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)   | WLAN      | 8.94     | +9.5                   |
| 10014 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)   | WLAN      | 8.50     | +9.5                   |
| 10015 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)   | WLAN      | 8.82     | +9.5                   |
| 10016 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)   | WLAN      | 8.82     | +9.5                   |
| 10017 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS11, 90pc duty cycle)  | WLAN      | 8.81     | +9.5                   |
| 10018 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS12, 90pc duty cycle)  | WLAN      | 8.50     | +9.5                   |
| 10019 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS13, 90pc duty cycle)  | WLAN      | 8.66     | +9.5                   |
| 10020 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS14, 90pc duty cycle)  | WLAN      | 8.67     | +9.5                   |
| 10021 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS15, 90pc duty cycle)  | WLAN      | 8.77     | +9.5                   |
| 10022 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS16, 90pc duty cycle)  | WLAN      | 8.68     | +9.5                   |
| 10023 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS17, 90pc duty cycle)  | WLAN      | 8.82     | +9.5                   |
| 10024 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS18, 90pc duty cycle)  | WLAN      | 8.96     | +9.5                   |
| 10025 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS19, 90pc duty cycle)  | WLAN      | 8.96     | +9.5                   |
| 10026 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS20, 90pc duty cycle)  | WLAN      | 8.66     | +9.5                   |
| 10027 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS21, 90pc duty cycle)  | WLAN      | 8.68     | +9.5                   |
| 10028 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS22, 90pc duty cycle)  | WLAN      | 8.71     | +9.5                   |
| 10029 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS23, 90pc duty cycle)  | WLAN      | 8.85     | +9.5                   |
| 10030 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS24, 90pc duty cycle)  | WLAN      | 8.72     | +9.5                   |
| 10031 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS25, 90pc duty cycle)  | WLAN      | 8.81     | +9.5                   |
| 10032 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS26, 90pc duty cycle)  | WLAN      | 8.74     | +9.5                   |
| 10033 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS27, 90pc duty cycle)  | WLAN      | 8.93     | +9.5                   |
| 10034 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS28, 90pc duty cycle)  | WLAN      | 8.90     | +9.5                   |
| 10035 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS29, 90pc duty cycle)  | WLAN      | 8.81     | +9.5                   |
| 10036 | AAL | IEEE 802.11ac WiFi (160 MHz, MCS30, 90pc duty cycle) | WLAN      | 8.93     | +9.5                   |
| 10037 | AAL | IEEE 802.11ac WiFi (160 MHz, MCS31, 90pc duty cycle) | WLAN      | 8.79     | +9.5                   |
| 10038 | AAL | IEEE 802.11ac WiFi (160 MHz, MCS32, 90pc duty cycle) | WLAN      | 8.86     | +9.5                   |
| 10039 | AAL | IEEE 802.11ac WiFi (160 MHz, MCS33, 90pc duty cycle) | WLAN      | 8.85     | +9.5                   |
| 10040 | AAL | IEEE 802.11ac WiFi (160 MHz, MCS34, 90pc duty cycle) | WLAN      | 8.96     | +9.5                   |
| 10041 | AAL | IEEE 802.11ac WiFi (160 MHz, MCS35, 90pc duty cycle) | WLAN      | 8.96     | +9.5                   |
| 10042 | AAL | IEEE 802.11ac WiFi (160 MHz, MCS36, 90pc duty cycle) | WLAN      | 8.96     | +9.5                   |
| 10043 | AAL | IEEE 802.11ac WiFi (160 MHz, MCS37, 90pc duty cycle) | WLAN      | 8.89     | +9.5                   |
| 10044 | AAL | IEEE 802.11ac WiFi (160 MHz, MCS38, 90pc duty cycle) | WLAN      | 8.95     | +9.5                   |
| 10045 | AAL | IEEE 802.11ac WiFi (160 MHz, MCS39, 90pc duty cycle) | WLAN      | 8.11     | +9.5                   |
| 10046 | AAL | LTE-TDD (SC-FDMA, 5 MHz, E-TM3.1, Clipping 44%)      | LTE-TDD   | 11.98    | +9.5                   |
| 10047 | AAL | LTE-TDD (SC-FDMA, 5 MHz, E-TM3.1, Clipping 44%)      | LTE-TDD   | 11.98    | +9.5                   |
| 10048 | AAL | CDMA2000 (1X Advanced)                               | CDMA2000  | 9.45     | +9.5                   |
| 10052 | AAL | LTE-TDD (OFDMA, 5 MHz, E-TM3.1, Clipping 44%)        | LTE-TDD   | 8.91     | +9.5                   |
| 10053 | AAL | LTE-TDD (OFDMA, 10 MHz, E-TM3.1, Clipping 44%)       | LTE-TDD   | 9.42     | +9.5                   |
| 10054 | AAL | LTE-TDD (OFDMA, 15 MHz, E-TM3.1, Clipping 44%)       | LTE-TDD   | 9.36     | +9.5                   |
| 10055 | AAL | LTE-TDD (OFDMA, 20 MHz, E-TM3.1, Clipping 44%)       | LTE-TDD   | 9.21     | +9.5                   |
| 10058 | AAL | Pulse Waveform (200Hz, 10%)                          | Test      | 10.00    | +9.5                   |
| 10059 | AAL | Pulse Waveform (200Hz, 20%)                          | Test      | 9.99     | +9.5                   |
| 10060 | AAL | Pulse Waveform (200Hz, 40%)                          | Test      | 9.99     | +9.5                   |
| 10061 | AAL | Pulse Waveform (200Hz, 50%)                          | Test      | 9.99     | +9.5                   |
| 10062 | AAL | Pulse Waveform (200Hz, 80%)                          | Test      | 9.97     | +9.5                   |
| 10070 | AAL | Bluetooth Low Energy                                 | Bluetooth | 9.19     | +9.5                   |
| 10071 | AAL | IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)        | WLAN      | 8.89     | +9.5                   |
| 10072 | AAL | IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)        | WLAN      | 8.57     | +9.5                   |
| 10073 | AAL | IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)        | WLAN      | 8.78     | +9.5                   |
| 10074 | AAL | IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)        | WLAN      | 8.74     | +9.5                   |
| 10075 | AAL | IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)        | WLAN      | 8.80     | +9.5                   |
| 10076 | AAL | IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)        | WLAN      | 8.77     | +9.5                   |
| 10077 | AAL | IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)        | WLAN      | 8.79     | +9.5                   |
| 10078 | AAL | IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)        | WLAN      | 8.70     | +9.5                   |
| 10079 | AAL | IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)        | WLAN      | 8.89     | +9.5                   |
| 10080 | AAL | IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)        | WLAN      | 8.80     | +9.5                   |
| 10081 | AAL | IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)       | WLAN      | 8.63     | +9.5                   |
| 10082 | AAL | IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)       | WLAN      | 8.63     | +9.5                   |
| 10083 | AAL | IEEE 802.11ax (20 MHz, MCS12, 90pc duty cycle)       | WLAN      | 8.42     | +9.5                   |
| 10084 | AAL | IEEE 802.11ax (20 MHz, MCS13, 90pc duty cycle)       | WLAN      | 8.36     | +9.5                   |
| 10085 | AAL | IEEE 802.11ax (20 MHz, MCS14, 90pc duty cycle)       | WLAN      | 8.32     | +9.5                   |
| 10086 | AAL | IEEE 802.11ax (20 MHz, MCS15, 90pc duty cycle)       | WLAN      | 8.28     | +9.5                   |

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| UID   | Rev | Communication System Name                      | Group | PAR (dB) | Unc <sup>2</sup> k = 2 |
|-------|-----|------------------------------------------------|-------|----------|------------------------|
| 10687 | AAC | IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)  | WLAN  | 8.45     | +9.6                   |
| 10688 | AAC | IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)  | WLAN  | 8.29     | +9.6                   |
| 10689 | AAC | IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)  | WLAN  | 8.55     | +9.6                   |
| 10690 | AAC | IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)  | WLAN  | 8.29     | +9.6                   |
| 10691 | AAC | IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.25     | +9.6                   |
| 10692 | AAC | IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)  | WLAN  | 8.28     | +9.6                   |
| 10693 | AAC | IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle) | WLAN  | 8.25     | +9.6                   |
| 10694 | AAC | IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle) | WLAN  | 8.57     | +9.6                   |
| 10695 | AAC | IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)  | WLAN  | 8.70     | +9.6                   |
| 10696 | AAC | IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)  | WLAN  | 8.91     | +9.6                   |
| 10697 | AAC | IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)  | WLAN  | 8.61     | +9.6                   |
| 10698 | AAC | IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)  | WLAN  | 8.89     | +9.6                   |
| 10699 | AAC | IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)  | WLAN  | 8.82     | +9.6                   |
| 10700 | AAC | IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)  | WLAN  | 8.73     | +9.6                   |
| 10701 | AAC | IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)  | WLAN  | 8.86     | +9.6                   |
| 10702 | AAC | IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)  | WLAN  | 8.70     | +9.6                   |
| 10703 | AAC | IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.82     | +9.6                   |
| 10704 | AAC | IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)  | WLAN  | 8.56     | +9.6                   |
| 10705 | AAC | IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle) | WLAN  | 8.69     | +9.6                   |
| 10706 | AAC | IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) | WLAN  | 8.66     | +9.6                   |
| 10707 | AAC | IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)  | WLAN  | 8.32     | +9.6                   |
| 10708 | AAC | IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)  | WLAN  | 8.55     | +9.6                   |
| 10709 | AAC | IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)  | WLAN  | 8.33     | +9.6                   |
| 10710 | AAC | IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)  | WLAN  | 8.29     | +9.6                   |
| 10711 | AAC | IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)  | WLAN  | 8.39     | +9.6                   |
| 10712 | AAC | IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)  | WLAN  | 8.67     | +9.6                   |
| 10713 | AAC | IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)  | WLAN  | 8.33     | +9.6                   |
| 10714 | AAC | IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)  | WLAN  | 8.28     | +9.6                   |
| 10715 | AAC | IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.45     | +9.6                   |
| 10716 | AAC | IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)  | WLAN  | 8.30     | +9.6                   |
| 10717 | AAC | IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle) | WLAN  | 8.48     | +9.6                   |
| 10718 | AAC | IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) | WLAN  | 8.24     | +9.6                   |
| 10719 | AAC | IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)  | WLAN  | 8.81     | +9.6                   |
| 10720 | AAC | IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)  | WLAN  | 8.87     | +9.6                   |
| 10721 | AAC | IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)  | WLAN  | 8.78     | +9.6                   |
| 10722 | AAC | IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)  | WLAN  | 8.55     | +9.6                   |
| 10723 | AAC | IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)  | WLAN  | 8.70     | +9.6                   |
| 10724 | AAC | IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)  | WLAN  | 8.90     | +9.6                   |
| 10725 | AAC | IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)  | WLAN  | 8.74     | +9.6                   |
| 10726 | AAC | IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)  | WLAN  | 8.72     | +9.6                   |
| 10727 | AAC | IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.66     | +9.6                   |
| 10728 | AAC | IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)  | WLAN  | 8.65     | +9.6                   |
| 10729 | AAC | IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) | WLAN  | 8.64     | +9.6                   |
| 10730 | AAC | IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) | WLAN  | 8.67     | +9.6                   |
| 10731 | AAC | IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)  | WLAN  | 8.42     | +9.6                   |
| 10732 | AAC | IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)  | WLAN  | 8.46     | +9.6                   |
| 10733 | AAC | IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)  | WLAN  | 8.40     | +9.6                   |
| 10734 | AAC | IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)  | WLAN  | 8.25     | +9.6                   |
| 10735 | AAC | IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)  | WLAN  | 8.33     | +9.6                   |
| 10736 | AAC | IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)  | WLAN  | 8.27     | +9.6                   |
| 10737 | AAC | IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)  | WLAN  | 8.36     | +9.6                   |
| 10738 | AAC | IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)  | WLAN  | 8.42     | +9.6                   |
| 10739 | AAC | IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.29     | +9.6                   |
| 10740 | AAC | IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)  | WLAN  | 8.48     | +9.6                   |
| 10741 | AAC | IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) | WLAN  | 8.40     | +9.6                   |
| 10742 | AAC | IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) | WLAN  | 8.43     | +9.6                   |
| 10743 | AAC | IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle) | WLAN  | 8.94     | +9.6                   |
| 10744 | AAC | IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle) | WLAN  | 8.16     | +9.6                   |
| 10745 | AAC | IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle) | WLAN  | 8.63     | +9.6                   |
| 10746 | AAC | IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle) | WLAN  | 9.11     | +9.6                   |
| 10747 | AAC | IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle) | WLAN  | 9.04     | +9.6                   |
| 10748 | AAC | IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle) | WLAN  | 8.93     | +9.6                   |
| 10749 | AAC | IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle) | WLAN  | 8.90     | +9.6                   |
| 10750 | AAC | IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle) | WLAN  | 8.79     | +9.6                   |
| 10751 | AAC | IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle) | WLAN  | 8.82     | +9.6                   |
| 10752 | AAC | IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle) | WLAN  | 8.81     | +9.6                   |

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| UID   | Rev | Communication System Name                       | Group         | PAR (dB) | Unc <sup>2</sup> k = 2 |
|-------|-----|-------------------------------------------------|---------------|----------|------------------------|
| 10753 | AAC | IEEE 802.11ax (180 MHz, MCS10, 99pc duty cycle) | WLAN          | 9.30     | +9.6                   |
| 10754 | AAC | IEEE 802.11ax (180 MHz, MCS11, 99pc duty cycle) | WLAN          | 9.34     | +9.6                   |
| 10755 | AAC | IEEE 802.11ax (180 MHz, MCS0, 99pc duty cycle)  | WLAN          | 9.34     | +9.6                   |
| 10756 | AAC | IEEE 802.11ax (180 MHz, MCS1, 99pc duty cycle)  | WLAN          | 9.77     | +9.6                   |
| 10757 | AAC | IEEE 802.11ax (180 MHz, MCS2, 99pc duty cycle)  | WLAN          | 9.77     | +9.6                   |
| 10758 | AAC | IEEE 802.11ax (180 MHz, MCS3, 99pc duty cycle)  | WLAN          | 9.89     | +9.6                   |
| 10759 | AAC | IEEE 802.11ax (180 MHz, MCS4, 99pc duty cycle)  | WLAN          | 9.50     | +9.6                   |
| 10760 | AAC | IEEE 802.11ax (180 MHz, MCS5, 99pc duty cycle)  | WLAN          | 9.49     | +9.6                   |
| 10761 | AAC | IEEE 802.11ax (180 MHz, MCS8, 99pc duty cycle)  | WLAN          | 9.50     | +9.6                   |
| 10762 | AAC | IEEE 802.11ax (180 MHz, MCS7, 99pc duty cycle)  | WLAN          | 9.49     | +9.6                   |
| 10763 | AAC | IEEE 802.11ax (180 MHz, MCS9, 99pc duty cycle)  | WLAN          | 9.53     | +9.6                   |
| 10764 | AAC | IEEE 802.11ax (180 MHz, MCS9, 99pc duty cycle)  | WLAN          | 9.54     | +9.6                   |
| 10765 | AAC | IEEE 802.11ax (180 MHz, MCS10, 99pc duty cycle) | WLAN          | 9.54     | +9.6                   |
| 10766 | AAC | IEEE 802.11ax (180 MHz, MCS11, 99pc duty cycle) | WLAN          | 9.51     | +9.6                   |
| 10767 | AAG | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15kHz)       | 5G NR FR1 TDD | 7.89     | +9.6                   |
| 10768 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.01     | +9.6                   |
| 10769 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.01     | +9.6                   |
| 10770 | AAF | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.02     | +9.6                   |
| 10771 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.02     | +9.6                   |
| 10772 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.23     | +9.6                   |
| 10773 | AAF | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.03     | +9.6                   |
| 10774 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.02     | +9.6                   |
| 10775 | AAF | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15kHz)     | 5G NR FR1 TDD | 8.31     | +9.6                   |
| 10776 | AAE | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.20     | +9.6                   |
| 10777 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.20     | +9.6                   |
| 10778 | AAE | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.34     | +9.6                   |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.42     | +9.6                   |
| 10780 | AAF | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.38     | +9.6                   |
| 10781 | AAF | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.30     | +9.6                   |
| 10782 | AAE | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.42     | +9.6                   |
| 10783 | AAC | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.31     | +9.6                   |
| 10784 | AAE | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.25     | +9.6                   |
| 10785 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.40     | +9.6                   |
| 10786 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.35     | +9.6                   |
| 10787 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.44     | +9.6                   |
| 10788 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.39     | +9.6                   |
| 10789 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.37     | +9.6                   |
| 10790 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.39     | +9.6                   |
| 10791 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 7.83     | +9.6                   |
| 10792 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.92     | +9.6                   |
| 10793 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.95     | +9.6                   |
| 10794 | AAF | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.82     | +9.6                   |
| 10795 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.84     | +9.6                   |
| 10796 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.82     | +9.6                   |
| 10797 | AAF | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 8.01     | +9.6                   |
| 10798 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.89     | +9.6                   |
| 10799 | AAF | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.93     | +9.6                   |
| 10801 | AAF | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.80     | +9.6                   |
| 10802 | AAE | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.87     | +9.6                   |
| 10803 | AAF | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 7.90     | +9.6                   |
| 10805 | AAE | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | +9.6                   |
| 10806 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.37     | +9.6                   |
| 10809 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | +9.6                   |
| 10810 | AAF | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | +9.6                   |
| 10812 | AAF | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.35     | +9.6                   |
| 10817 | AAC | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.35     | +9.6                   |
| 10818 | AAE | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.34     | +9.6                   |
| 10819 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.33     | +9.6                   |
| 10820 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.30     | +9.6                   |
| 10821 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.41     | +9.6                   |
| 10822 | AAF | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.41     | +9.6                   |
| 10823 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.30     | +9.6                   |
| 10824 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.39     | +9.6                   |
| 10825 | AAF | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.41     | +9.6                   |
| 10827 | AAF | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.42     | +9.6                   |
| 10828 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.43     | +9.6                   |

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| UID   | Rev | Communication System Name                           | Group         | PAR (dB) | Unc <sup>2</sup> k = 2 |
|-------|-----|-----------------------------------------------------|---------------|----------|------------------------|
| 10829 | AAF | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 8.40     | ±9.6                   |
| 10830 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30kHz)          | 5G NR FR1 TDD | 7.63     | ±9.6                   |
| 10831 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30kHz)          | 5G NR FR1 TDD | 7.73     | ±9.6                   |
| 10832 | AAE | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30kHz)          | 5G NR FR1 TDD | 7.74     | ±9.6                   |
| 10833 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30kHz)          | 5G NR FR1 TDD | 7.79     | ±9.6                   |
| 10834 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30kHz)          | 5G NR FR1 TDD | 7.75     | ±9.6                   |
| 10835 | AAF | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6                   |
| 10836 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30kHz)          | 5G NR FR1 TDD | 7.88     | ±9.6                   |
| 10837 | AAF | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30kHz)          | 5G NR FR1 TDD | 7.89     | ±9.6                   |
| 10839 | AAF | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6                   |
| 10840 | AAF | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30kHz)          | 5G NR FR1 TDD | 7.67     | ±9.6                   |
| 10841 | AAF | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30kHz)         | 5G NR FR1 TDD | 7.71     | ±9.6                   |
| 10843 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30kHz)        | 5G NR FR1 TDD | 8.49     | ±9.6                   |
| 10844 | AAE | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 30kHz)        | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10846 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30kHz)        | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10844 | AAE | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10855 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 8.38     | ±9.6                   |
| 10856 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 8.37     | ±9.6                   |
| 10857 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 8.35     | ±9.6                   |
| 10858 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 8.36     | ±9.6                   |
| 10859 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10860 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10861 | AAF | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 8.40     | ±9.6                   |
| 10863 | AAF | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10864 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 8.37     | ±9.6                   |
| 10865 | AAF | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10866 | AAF | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10868 | AAF | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.89     | ±9.6                   |
| 10869 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120kHz)     | 5G NR FR2 TDD | 5.75     | ±9.6                   |
| 10870 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120kHz)  | 5G NR FR2 TDD | 5.88     | ±9.6                   |
| 10871 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120kHz)    | 5G NR FR2 TDD | 5.75     | ±9.6                   |
| 10872 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120kHz) | 5G NR FR2 TDD | 5.82     | ±9.6                   |
| 10873 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120kHz)    | 5G NR FR2 TDD | 6.61     | ±9.6                   |
| 10874 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120kHz) | 5G NR FR2 TDD | 6.65     | ±9.6                   |
| 10875 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120kHz)        | 5G NR FR2 TDD | 7.78     | ±9.6                   |
| 10876 | AAF | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120kHz)     | 5G NR FR2 TDD | 8.39     | ±9.6                   |
| 10877 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120kHz)       | 5G NR FR2 TDD | 7.95     | ±9.6                   |
| 10878 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120kHz)    | 5G NR FR2 TDD | 8.41     | ±9.6                   |
| 10879 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120kHz)       | 5G NR FR2 TDD | 8.12     | ±9.6                   |
| 10880 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120kHz)    | 5G NR FR2 TDD | 8.38     | ±9.6                   |
| 10881 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120kHz)      | 5G NR FR2 TDD | 5.75     | ±9.6                   |
| 10882 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120kHz)   | 5G NR FR2 TDD | 5.96     | ±9.6                   |
| 10883 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120kHz)     | 5G NR FR2 TDD | 6.57     | ±9.6                   |
| 10884 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120kHz)  | 5G NR FR2 TDD | 6.53     | ±9.6                   |
| 10885 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)     | 5G NR FR2 TDD | 6.61     | ±9.6                   |
| 10886 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)  | 5G NR FR2 TDD | 6.68     | ±9.6                   |
| 10887 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120kHz)         | 5G NR FR2 TDD | 7.78     | ±9.6                   |
| 10888 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120kHz)      | 5G NR FR2 TDD | 8.35     | ±9.6                   |
| 10889 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120kHz)        | 5G NR FR2 TDD | 8.02     | ±9.6                   |
| 10890 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120kHz)     | 5G NR FR2 TDD | 8.40     | ±9.6                   |
| 10891 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)        | 5G NR FR2 TDD | 8.13     | ±9.6                   |
| 10892 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)     | 5G NR FR2 TDD | 8.41     | ±9.6                   |
| 10897 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30kHz)        | 5G NR FR1 TDD | 5.66     | ±9.6                   |
| 10898 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.67     | ±9.6                   |
| 10899 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.67     | ±9.6                   |
| 10900 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.65     | ±9.6                   |
| 10901 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10902 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10903 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10904 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10905 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10906 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10907 | AAE | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 5.78     | ±9.6                   |
| 10908 | AAE | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 5.93     | ±9.6                   |
| 10909 | AAE | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 5.96     | ±9.6                   |
| 10910 | AAE | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 5.83     | ±9.6                   |



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**KCTL**

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| UID   | Rev | Communication System Name                        | Group         | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|--------------------------------------------------|---------------|----------|------------------------|
| 10011 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.85     | +5.0                   |
| 10012 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.84     | +5.0                   |
| 10013 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 40MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.84     | +5.0                   |
| 10014 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 50MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.85     | +5.0                   |
| 10015 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 60MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.85     | +5.0                   |
| 10016 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 80MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.87     | +5.0                   |
| 10017 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 100MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 5.94     | +5.0                   |
| 10018 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.85     | +5.0                   |
| 10019 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 10MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 5.85     | +5.0                   |
| 10020 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 5.87     | +5.0                   |
| 10021 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 5.84     | +5.0                   |
| 10022 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 5.82     | +5.0                   |
| 10023 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 5.84     | +5.0                   |
| 10024 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 40MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 5.84     | +5.0                   |
| 10025 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 5.85     | +5.0                   |
| 10026 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 60MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 5.85     | +5.0                   |
| 10027 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 80MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 5.84     | +5.0                   |
| 10028 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100MHz, QPSK, 30kHz) | 5G NR FR1 TDD | 5.87     | +5.0                   |
| 10029 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.82     | +5.0                   |
| 10030 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.82     | +5.0                   |
| 10031 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.82     | +5.0                   |
| 10032 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.81     | +5.0                   |
| 10033 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 40MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.81     | +5.0                   |
| 10034 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.81     | +5.0                   |
| 10035 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 60MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.81     | +5.0                   |
| 10036 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15kHz)    | 5G NR FR1 FDD | 5.80     | +5.0                   |
| 10037 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.77     | +5.0                   |
| 10038 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 15MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.80     | +5.0                   |
| 10039 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 20MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.82     | +5.0                   |
| 10040 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.89     | +5.0                   |
| 10041 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.83     | +5.0                   |
| 10042 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 40MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.85     | +5.0                   |
| 10043 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 50MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.85     | +5.0                   |
| 10044 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.81     | +5.0                   |
| 10045 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 10MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.85     | +5.0                   |
| 10046 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.82     | +5.0                   |
| 10047 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.82     | +5.0                   |
| 10048 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.84     | +5.0                   |
| 10049 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.87     | +5.0                   |
| 10050 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 40MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.84     | +5.0                   |
| 10051 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.86     | +5.0                   |
| 10052 | AAA | 5G NR DL (CP-OFDM, TMS1, 5MHz, 64-QAM, 15kHz)    | 5G NR FR1 FDD | 6.25     | +5.0                   |
| 10053 | AAA | 5G NR DL (CP-OFDM, TMS1, 10MHz, 64-QAM, 15kHz)   | 5G NR FR1 TDD | 6.15     | +5.0                   |
| 10054 | AAA | 5G NR DL (CP-OFDM, TMS1, 15MHz, 64-QAM, 15kHz)   | 5G NR FR1 FDD | 6.22     | +5.0                   |
| 10055 | AAA | 5G NR DL (CP-OFDM, TMS1, 20MHz, 64-QAM, 15kHz)   | 5G NR FR1 FDD | 6.42     | +5.0                   |
| 10056 | AAA | 5G NR DL (CP-OFDM, TMS1, 30MHz, 64-QAM, 30kHz)   | 5G NR FR1 FDD | 6.14     | +5.0                   |
| 10057 | AAA | 5G NR DL (CP-OFDM, TMS1, 40MHz, 64-QAM, 30kHz)   | 5G NR FR1 FDD | 6.51     | +5.0                   |
| 10058 | AAA | 5G NR DL (CP-OFDM, TMS1, 50MHz, 64-QAM, 30kHz)   | 5G NR FR1 FDD | 6.67     | +5.0                   |
| 10059 | AAA | 5G NR DL (CP-OFDM, TMS1, 60MHz, 64-QAM, 30kHz)   | 5G NR FR1 FDD | 6.82     | +5.0                   |
| 10060 | AAE | 5G NR DL (CP-OFDM, TMS1, 5MHz, 64-QAM, 15kHz)    | 5G NR FR1 TDD | 9.32     | +5.0                   |
| 10061 | AAC | 5G NR DL (CP-OFDM, TMS1, 10MHz, 64-QAM, 15kHz)   | 5G NR FR1 TDD | 9.36     | +5.0                   |
| 10062 | AAD | 5G NR DL (CP-OFDM, TMS1, 15MHz, 64-QAM, 15kHz)   | 5G NR FR1 TDD | 9.40     | +5.0                   |
| 10063 | AAC | 5G NR DL (CP-OFDM, TMS1, 20MHz, 64-QAM, 15kHz)   | 5G NR FR1 TDD | 9.55     | +5.0                   |
| 10064 | AAE | 5G NR DL (CP-OFDM, TMS1, 5MHz, 64-QAM, 30kHz)    | 5G NR FR1 TDD | 9.29     | +5.0                   |
| 10065 | AAC | 5G NR DL (CP-OFDM, TMS1, 10MHz, 64-QAM, 30kHz)   | 5G NR FR1 TDD | 9.57     | +5.0                   |
| 10066 | AAE | 5G NR DL (CP-OFDM, TMS1, 15MHz, 64-QAM, 30kHz)   | 5G NR FR1 TDD | 9.55     | +5.0                   |
| 10067 | AAC | 5G NR DL (CP-OFDM, TMS1, 20MHz, 64-QAM, 30kHz)   | 5G NR FR1 TDD | 9.42     | +5.0                   |
| 10068 | AAD | 5G NR DL (CP-OFDM, TMS1, 30MHz, 64-QAM, 30kHz)   | 5G NR FR1 TDD | 9.49     | +5.0                   |
| 10072 | AAC | 5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 15kHz)        | 5G NR FR1 TDD | 11.50    | +5.0                   |
| 10073 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 9.05     | +5.0                   |
| 10074 | AAD | 5G NR (CP-OFDM, 100% RB, 100MHz, 256-QAM, 30kHz) | 5G NR FR1 TDD | 10.29    | +5.0                   |
| 10075 | AAA | ULLA BDR                                         | ULLA          | 1.16     | +5.0                   |
| 10079 | AAA | ULLA HCR4                                        | ULLA          | 8.59     | +5.0                   |
| 10093 | AAA | ULLA HCR5                                        | ULLA          | 10.37    | +5.0                   |
| 10091 | AAA | ULLA HCR6                                        | ULLA          | 3.13     | +5.0                   |
| 10082 | AAA | ULLA HCR8                                        | ULLA          | 3.43     | +5.0                   |

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April 22, 2024

| UID   | Rev | Communication System Name                          | Group         | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|----------------------------------------------------|---------------|----------|------------------------|
| 10983 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.31     | ±9.8                   |
| 10984 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.42     | ±9.8                   |
| 10985 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.54     | ±9.8                   |
| 10986 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.50     | ±9.8                   |
| 10987 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.53     | ±9.8                   |
| 10988 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.38     | ±9.8                   |
| 10989 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.33     | ±9.8                   |
| 10990 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.52     | ±9.8                   |
| 11003 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 10.24    | ±9.8                   |
| 11004 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 10.73    | ±9.8                   |
| 11005 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.70     | ±9.8                   |
| 11006 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.55     | ±9.8                   |
| 11007 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.46     | ±9.8                   |
| 11008 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.51     | ±9.8                   |
| 11009 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.78     | ±9.8                   |
| 11010 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.85     | ±9.8                   |
| 11011 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.88     | ±9.8                   |
| 11012 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.88     | ±9.8                   |
| 11013 | AAB | IEEE 802.11ba (320 MHz, MCS1, 99pc duty cycle)     | WLAN          | 8.47     | ±9.8                   |
| 11014 | AAB | IEEE 802.11ba (320 MHz, MCS2, 99pc duty cycle)     | WLAN          | 8.45     | ±9.8                   |
| 11015 | AAB | IEEE 802.11ba (320 MHz, MCS3, 99pc duty cycle)     | WLAN          | 8.44     | ±9.8                   |
| 11016 | AAB | IEEE 802.11ba (320 MHz, MCS4, 99pc duty cycle)     | WLAN          | 8.44     | ±9.8                   |
| 11017 | AAB | IEEE 802.11ba (320 MHz, MCS5, 99pc duty cycle)     | WLAN          | 8.41     | ±9.8                   |
| 11018 | AAB | IEEE 802.11ba (320 MHz, MCS6, 99pc duty cycle)     | WLAN          | 8.40     | ±9.8                   |
| 11019 | AAB | IEEE 802.11ba (320 MHz, MCS7, 99pc duty cycle)     | WLAN          | 8.29     | ±9.8                   |
| 11020 | AAB | IEEE 802.11ba (320 MHz, MCS8, 99pc duty cycle)     | WLAN          | 8.27     | ±9.8                   |
| 11021 | AAB | IEEE 802.11ba (320 MHz, MCS9, 99pc duty cycle)     | WLAN          | 8.46     | ±9.8                   |
| 11022 | AAB | IEEE 802.11ba (320 MHz, MCS10, 99pc duty cycle)    | WLAN          | 8.36     | ±9.8                   |
| 11023 | AAB | IEEE 802.11ba (320 MHz, MCS11, 99pc duty cycle)    | WLAN          | 8.00     | ±9.8                   |
| 11024 | AAB | IEEE 802.11ba (320 MHz, MCS12, 99pc duty cycle)    | WLAN          | 8.42     | ±9.8                   |
| 11025 | AAB | IEEE 802.11ba (320 MHz, MCS13, 99pc duty cycle)    | WLAN          | 8.37     | ±9.8                   |
| 11026 | AAB | IEEE 802.11ba (320 MHz, MCS0, 99pc duty cycle)     | WLAN          | 8.39     | ±9.8                   |

<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.

**Appendix A.2 Probe Calibration certificate (EX3DV4 SN3928) (2024-02-22)**

**Calibration Laboratory of**  
**Schmid & Partner**  
**Engineering AG**  
Zeughausstrasse 43, 8004 Zurich, Switzerland



**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client: **Eurofins KCTL**  
Gyeonggi-do, Republic of Korea

Certificate No.: **EX-3928\_Feb24**

**CALIBRATION CERTIFICATE**

Object: **EX3DV4 - SN:3928**

Calibration procedure(s): **QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,  
QA CAL-25.v8  
Calibration procedure for dosimetric E-field probes**

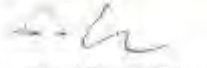
Calibration date: **February 22, 2024**

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 closest laboratory facility: environment temperature  $(22 \pm 3)^\circ\text{C}$  and humidity  $< 70\%$ .  
Calibration Equipment used (M&TE critical for calibration)

| Primary Standards          | ID               | Cal Date (Certificate No.)        | Scheduled Calibration |
|----------------------------|------------------|-----------------------------------|-----------------------|
| Power meter NRP2           | SN: 104778       | 30-Mar-23 (No. 217-03804/03805)   | Mar-24                |
| Power sensor NRP-Z31       | SN: 103244       | 30-Mar-23 (No. 217-03804)         | Mar-24                |
| OCP DAK-3.5 (weighed)      | SN: 1249         | 05-Oct-23 (OCP-DAK3.5-1249_Oct23) | Oct-24                |
| OCP DAK-12                 | SN: 1016         | 05-Oct-23 (OCP-DAK12-1016_Oct23)  | Oct-24                |
| Reference 20 dB Attenuator | SN: CC2552 (20x) | 30-Mar-23 (No. 217-03809)         | Mar-24                |
| DAE4                       | SN: 660          | 16-Mar-23 (No. DAE4-660_Mar23)    | Mar-24                |
| Reference Probe EX3DV4     | SN: 7349         | 03-Nov-23 (No. EX3-7349_Nov23)    | Nov-24                |

| Secondary Standards     | ID               | Check Date (in house)             | Scheduled Check        |
|-------------------------|------------------|-----------------------------------|------------------------|
| Power meter E4419B      | SN: GB41298874   | 06-Apr-16 (in house check Jun-22) | In house check: Jun-24 |
| Power sensor E4412A     | SN: MY41168087   | 06-Apr-16 (in house check Jun-22) | In house check: Jun-24 |
| Power sensor E4412A     | SN: 000110210    | 06-Apr-16 (in house check Jun-22) | In house check: Jun-24 |
| RF generator HP 8648C   | SN: US3842U01700 | 04-Aug-06 (in house check Jun-22) | In house check: Jun-24 |
| Network Analyzer E8358A | SN: US41080477   | 31-Mar-14 (in house check Oct-22) | In house check: Oct-24 |

Calibrated by: **Jeffrey Katzman** Function: **Laboratory Technician** Signature: 

Approved by: **Sven Kühn** Function: **Technical Manager** Signature: 

Issued: February 22, 2024

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



**Calibration Laboratory of  
Schmid & Partner  
Engineering AG**  
Zughausstrasse 45, 8004 Zurich, Switzerland



**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

## 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 $\psi$   | $\psi$ rotation around probe axis                                                                                                              |
| Polarization $\theta$ | $\theta$ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\theta = 0$ is normal to probe axis |
| Connector Angle       | information used in DASY system to align probe sensor X to the root 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  $\theta = 0$  ( $f \leq 900$  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).
- CONV<sub>F</sub>**:  $CONV_F = NORM_{x,y,z} \cdot \text{frequency\_response}$  (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. 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  $f \leq 900$  MHz) and inside waveguide using analytical field distributions based on power measurements for  $f > 900$  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  $NORM_{x,y,z} \cdot ConvF$  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 150 MHz to 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).

EX3DV4 - SN:3928

February 22, 2024

### Parameters of Probe: EX3DV4 - SN:3928

#### Basic Calibration Parameters

|                                       | Sensor X | Sensor Y | Sensor Z | Unc (k = 2)  |
|---------------------------------------|----------|----------|----------|--------------|
| Norm ( $\mu V/(V/m)^2$ ) <sup>A</sup> | 0.50     | 0.23     | 0.54     | $\pm 10.1\%$ |
| DCP (mV) <sup>B</sup>                 | 99.3     | 95.8     | 100.0    | $\pm 4.7\%$  |

#### 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    | 148.0    | $\pm 2.8\%$  | $\pm 4.7\%$                       |
|       |                             | Y 0.00  | 0.00                   | 1.00  |         | 120.1    |              |                                   |
|       |                             | Z 0.00  | 0.00                   | 1.00  |         | 147.9    |              |                                   |
| 10352 | Pulse Waveform (200Hz, 10%) | X 20.00 | 93.19                  | 21.99 | 10.00   | 80.0     | $\pm 2.6\%$  | $\pm 9.6\%$                       |
|       |                             | Y 20.00 | 97.07                  | 24.45 |         | 80.0     |              |                                   |
|       |                             | Z 20.00 | 95.38                  | 23.31 |         | 80.0     |              |                                   |
| 10353 | Pulse Waveform (200Hz, 20%) | X 20.00 | 95.31                  | 21.93 | 8.99    | 80.0     | $\pm 1.3\%$  | $\pm 9.6\%$                       |
|       |                             | Y 20.00 | 96.57                  | 23.97 |         | 80.0     |              |                                   |
|       |                             | Z 20.00 | 96.12                  | 23.57 |         | 80.0     |              |                                   |
| 10354 | Pulse Waveform (200Hz, 40%) | X 20.00 | 98.77                  | 22.17 | 3.98    | 95.0     | $\pm 0.8\%$  | $\pm 9.6\%$                       |
|       |                             | Y 20.00 | 108.08                 | 27.11 |         | 95.0     |              |                                   |
|       |                             | Z 20.00 | 103.12                 | 24.53 |         | 95.0     |              |                                   |
| 10355 | Pulse Waveform (200Hz, 60%) | X 20.00 | 102.27                 | 22.48 | 2.22    | 120.0    | $\pm 0.8\%$  | $\pm 9.6\%$                       |
|       |                             | Y 20.00 | 118.21                 | 30.27 |         | 120.0    |              |                                   |
|       |                             | Z 20.00 | 108.24                 | 25.49 |         | 120.0    |              |                                   |
| 10387 | QPSK Waveform, 1 MHz        | X 1.56  | 63.82                  | 13.71 | 1.00    | 150.0    | $\pm 2.2\%$  | $\pm 9.6\%$                       |
|       |                             | Y 1.80  | 65.44                  | 15.23 |         | 150.0    |              |                                   |
|       |                             | Z 1.62  | 64.84                  | 14.29 |         | 150.0    |              |                                   |
| 10388 | QPSK Waveform, 10 MHz       | X 2.01  | 65.62                  | 14.34 | 0.00    | 150.0    | $\pm 0.9\%$  | $\pm 9.6\%$                       |
|       |                             | Y 2.38  | 68.06                  | 15.91 |         | 150.0    |              |                                   |
|       |                             | Z 2.13  | 66.71                  | 14.98 |         | 150.0    |              |                                   |
| 10396 | 64-QAM Waveform, 100 kHz    | X 2.78  | 68.74                  | 17.81 | 3.01    | 150.0    | $\pm 1.1\%$  | $\pm 9.6\%$                       |
|       |                             | Y 2.53  | 67.58                  | 17.85 |         | 150.0    |              |                                   |
|       |                             | Z 2.93  | 69.62                  | 18.43 |         | 150.0    |              |                                   |
| 10399 | 64-QAM Waveform, 40 MHz     | X 3.36  | 66.03                  | 15.05 | 0.00    | 150.0    | $\pm 1.1\%$  | $\pm 9.6\%$                       |
|       |                             | Y 3.63  | 67.07                  | 15.91 |         | 150.0    |              |                                   |
|       |                             | Z 3.48  | 66.61                  | 15.45 |         | 150.0    |              |                                   |
| 10414 | WLAN CCDF, 64-QAM, 40 MHz   | X 4.82  | 65.05                  | 15.13 | 0.00    | 150.0    | $\pm 2.2\%$  | $\pm 9.6\%$                       |
|       |                             | Y 5.06  | 65.52                  | 15.62 |         | 150.0    |              |                                   |
|       |                             | Z 4.90  | 65.47                  | 15.41 |         | 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 are not added (reduced) uncertainty holds TBL (see Page 5).

<sup>B</sup> Linearization parameter uncertainty for maximum specified line strength.

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

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**Parameters of Probe: EX3DV4 - SN:3928**

**Sensor Model Parameters**

|   | C1<br>fF | C2<br>fF | $\alpha$<br>$V^{-1}$ | T1<br>$msV^{-2}$ | T2<br>$msV^{-1}$ | T3<br>ms | T4<br>$V^{-2}$ | T5<br>$V^{-1}$ | T6   |
|---|----------|----------|----------------------|------------------|------------------|----------|----------------|----------------|------|
| x | 50.4     | 378.22   | 35.72                | 14.13            | 0.25             | 5.07     | 1.22           | 0.28           | 1.01 |
| y | 81.1     | 470.28   | 37.56                | 14.46            | 0.35             | 5.09     | 0.00           | 0.37           | 1.01 |
| z | 48.3     | 364.24   | 36.04                | 14.70            | 0.22             | 5.10     | 0.88           | 0.36           | 1.01 |

**Other Probe Parameters**

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement                            | Triangular |
| Connector Angle                               | 89.1°      |
| 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 2D Area Scan job



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### Parameters of Probe: EX3DV4 - SN:3928

#### Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>F</sup> | Conductivity <sup>F</sup> (S/m) | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup> (mm) | Unc (K = 2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-------------|
| 6                    | 55.0                               | 0.75                            | 16.85   | 16.65   | 16.85   | 0.00               | 1.25                    | ±13.3%      |
| 13                   | 55.0                               | 0.75                            | 14.72   | 14.72   | 14.72   | 0.00               | 1.25                    | ±13.3%      |
| 750                  | 41.9                               | 0.89                            | 8.84    | 8.61    | 8.82    | 0.39               | 1.27                    | ±11.0%      |
| 850                  | 41.5                               | 0.92                            | 8.22    | 8.01    | 8.47    | 0.38               | 1.27                    | ±11.0%      |
| 900                  | 41.5                               | 0.97                            | 8.23    | 7.52    | 8.98    | 0.40               | 1.27                    | ±11.0%      |
| 1750                 | 40.1                               | 1.37                            | 7.72    | 7.55    | 8.45    | 0.29               | 1.27                    | ±11.0%      |
| 1900                 | 40.0                               | 1.40                            | 7.40    | 7.18    | 8.01    | 0.31               | 1.27                    | ±11.0%      |
| 2300                 | 39.5                               | 1.67                            | 7.19    | 7.03    | 7.78    | 0.33               | 1.27                    | ±11.0%      |
| 2450                 | 39.2                               | 1.80                            | 7.05    | 6.88    | 7.61    | 0.33               | 1.27                    | ±11.0%      |
| 2600                 | 39.0                               | 1.96                            | 6.93    | 6.76    | 7.49    | 0.30               | 1.27                    | ±11.0%      |
| 5250                 | 35.9                               | 4.71                            | 5.13    | 5.02    | 5.64    | 0.39               | 1.53                    | ±13.1%      |
| 5600                 | 35.5                               | 5.07                            | 4.56    | 4.45    | 4.97    | 0.40               | 1.67                    | ±13.1%      |
| 5800                 | 35.3                               | 5.27                            | 4.52    | 4.43    | 4.94    | 0.36               | 1.67                    | ±13.1%      |

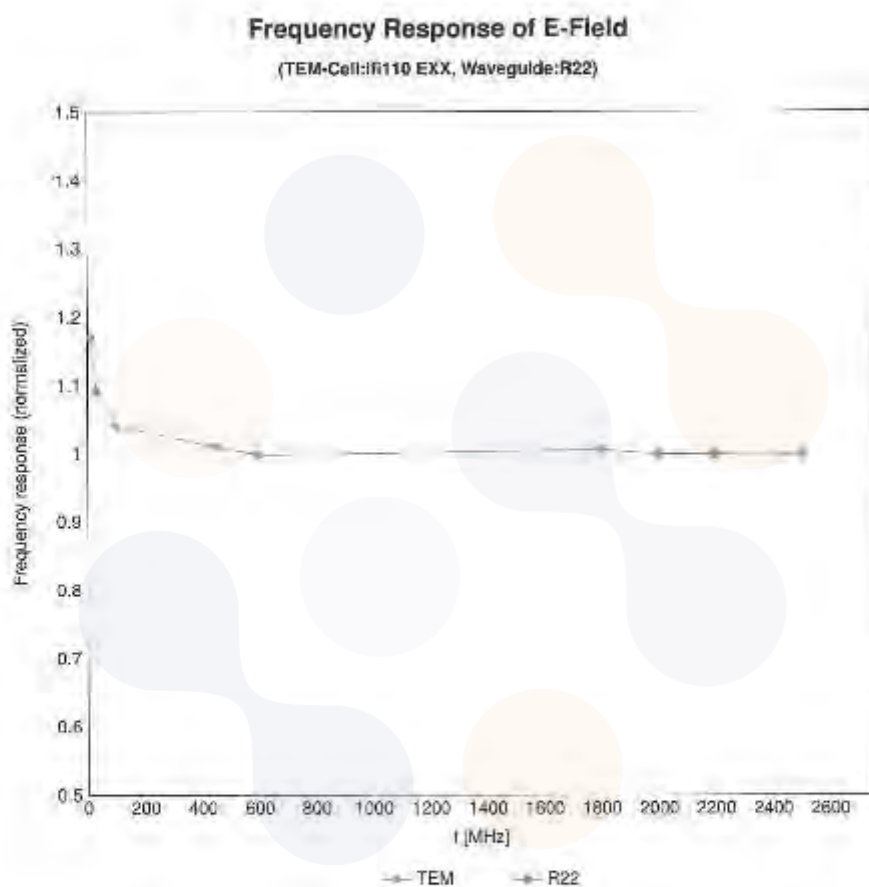
<sup>C</sup> Frequency validity above 300 MHz of ±100 MHz only applies for DASV v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 280 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz and ConvF assessed at 13 MHz is 9-19 MHz. Above 6 GHz frequency validity can be extended to ±10 MHz.

<sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon$  and  $\sigma$  by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

<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 5 GHz and below ±2% for frequencies between 6-16 GHz at any distance larger than half the probe tip diameter from the boundary.

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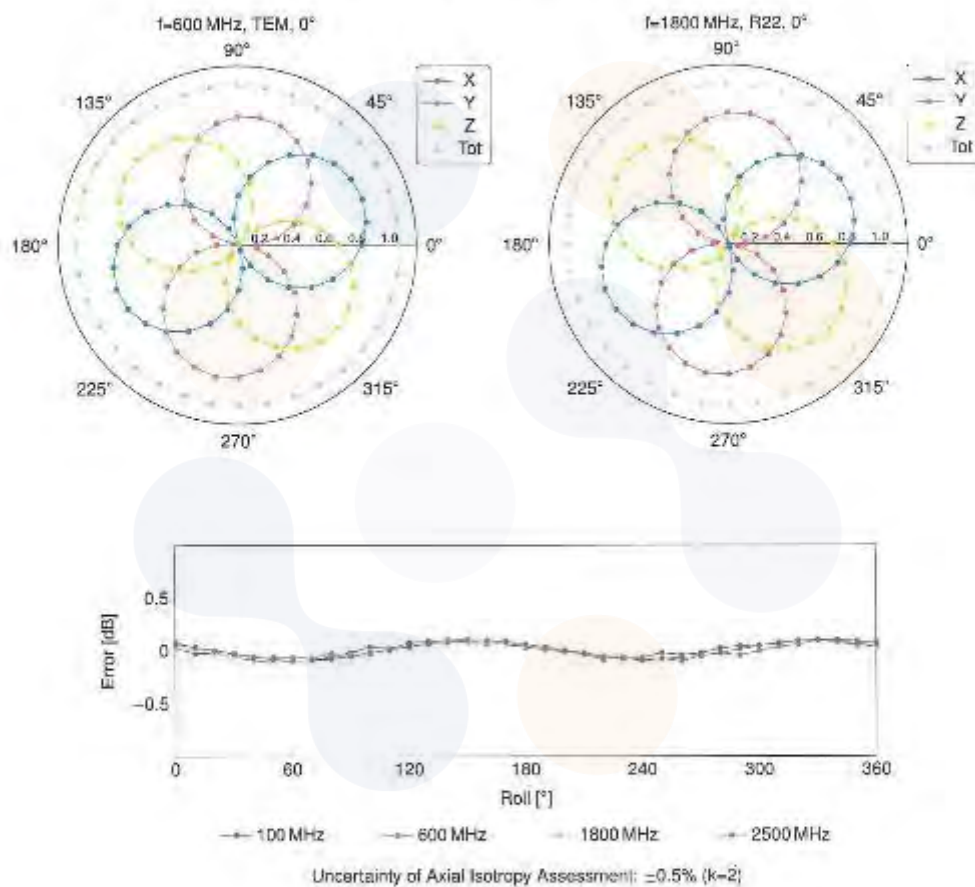


Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  ( $k=2$ )

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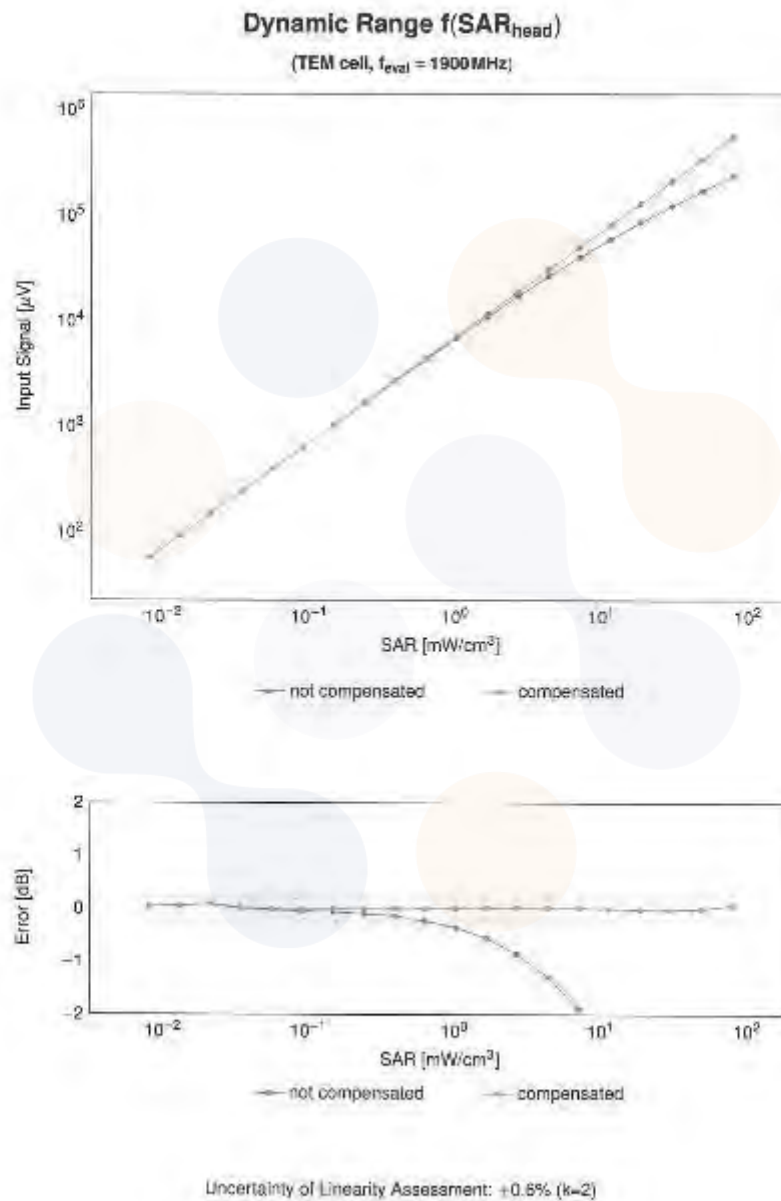
### Receiving Pattern ( $\phi$ ), $\theta = 0^\circ$





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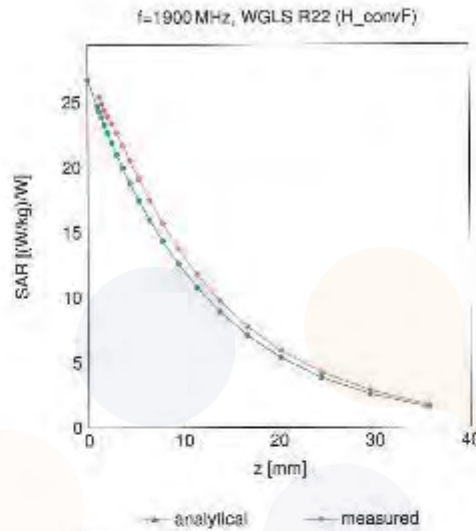
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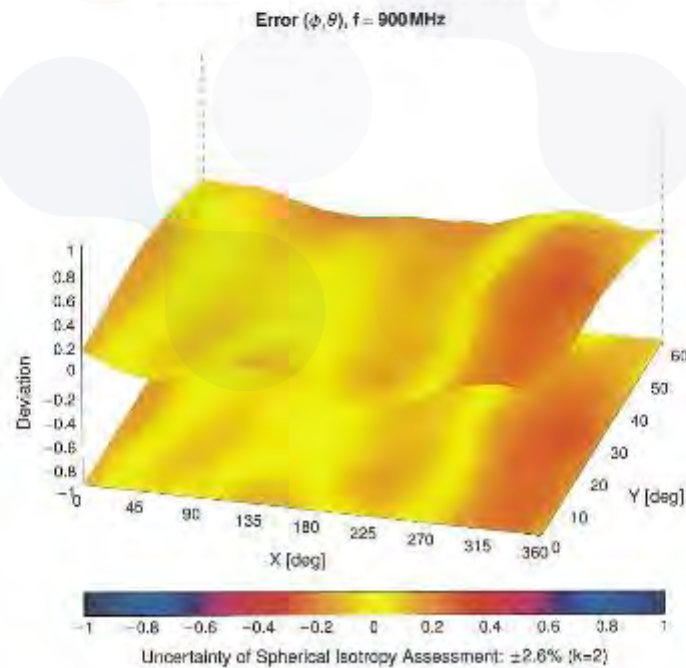
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### Conversion Factor Assessment



### Deviation from Isotropy in Liquid



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## 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 | CAB | SAR Validation (Square, 100 ms, 10 ms)            | Test      | 10.00    | ±9.6                   |
| 10011 | CAC | 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      | 9.48     | ±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 (P4-DQPSK, DH1)           | Bluetooth | 7.74     | ±9.6                   |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (P4-DQPSK, DH3)           | Bluetooth | 4.53     | ±9.6                   |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (P4-DQPSK, DH5)           | Bluetooth | 3.83     | ±9.6                   |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-CPFSK, DH1)            | Bluetooth | 8.01     | ±9.6                   |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-CPFSK, DH3)            | Bluetooth | 4.77     | ±9.6                   |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (8-CPFSK, DH5)            | Bluetooth | 4.10     | ±9.6                   |
| 10039 | CAB | CDMA2000 (1xRTT, RCT)                             | CDMA2000  | 4.57     | ±9.6                   |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, P4-DQPSK, Fullrate) | AMPS      | 7.78     | ±9.6                   |
| 10044 | CAA | IS-54 / IS-136 FDD (TDMA/FDM, P4-DQPSK, Fullrate) | AMPS      | 6.00     | ±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                   |
| 10055 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mbps)                    | TD-SCDMA  | 11.01    | ±9.6                   |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)                 | GSM       | 6.62     | ±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      | 3.80     | ±9.6                   |
| 10062 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps)          | WLAN      | 6.88     | ±9.6                   |
| 10063 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps)          | WLAN      | 9.83     | ±9.6                   |
| 10064 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps)         | WLAN      | 9.09     | ±9.6                   |
| 10065 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps)         | WLAN      | 9.00     | ±9.6                   |
| 10066 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps)         | WLAN      | 9.98     | ±9.6                   |
| 10067 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps)         | WLAN      | 10.12    | ±9.6                   |
| 10068 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps)         | WLAN      | 10.24    | ±9.6                   |
| 10069 | CAE | IEEE 802.11a/n 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, RCS)                             | CDMA2000  | 3.97     | ±9.6                   |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, P4-DQPSK, Fullrate) | AMPS      | 4.77     | ±9.6                   |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4)                     | GSM       | 6.56     | ±9.6                   |
| 10097 | CAC | UMTS-FDD (HSDPA)                                  | WCDMA     | 3.08     | ±9.6                   |
| 10098 | CAC | UMTS-FDD (HSUPA, Subtest 2)                       | WCDMA     | 3.88     | ±9.6                   |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4)                     | GSM       | 9.55     | ±9.6                   |
| 10100 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)          | LTE-FDD   | 5.67     | ±9.6                   |
| 10101 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)        | LTE-FDD   | 5.42     | ±9.6                   |
| 10102 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)        | LTE-FDD   | 5.50     | ±9.6                   |
| 10103 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)          | LTE-TDD   | 9.29     | ±9.6                   |
| 10104 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)        | LTE-TDD   | 9.37     | ±9.6                   |
| 10105 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)        | LTE-TDD   | 10.01    | ±9.6                   |
| 10106 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)          | LTE-FDD   | 5.80     | ±9.6                   |
| 10109 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)        | LTE-FDD   | 6.43     | ±9.6                   |
| 10110 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)           | LTE-FDD   | 5.75     | ±9.6                   |
| 10111 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)         | LTE-FDD   | 6.44     | ±9.6                   |

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| UID   | Rev | Communication System Name                     | Group   | PAR (dB) | Unc <sup>2</sup> # = 2 |
|-------|-----|-----------------------------------------------|---------|----------|------------------------|
| 10112 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10MHz, 64-QAM)     | LTE-FDD | 6.59     | ±9.6                   |
| 10113 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)      | LTE-FDD | 6.62     | ±9.6                   |
| 10114 | CAE | IEEE 802.11n (HT Greenfield, 18.5Mbps, BPSK)  | WLAN    | 6.10     | ±9.6                   |
| 10115 | CAE | IEEE 802.11n (HT Greenfield, 81Mbps, 16-QAM)  | WLAN    | 6.46     | ±9.6                   |
| 10116 | CAE | IEEE 802.11n (HT Greenfield, 135Mbps, 64-QAM) | WLAN    | 6.75     | ±9.6                   |
| 10117 | CAE | IEEE 802.11n (HT Mixed, 13.5Mbps, BPSK)       | WLAN    | 6.07     | ±9.6                   |
| 10118 | CAE | IEEE 802.11n (HT Mixed, 81Mbps, 16-QAM)       | WLAN    | 6.39     | ±9.6                   |
| 10119 | CAF | IEEE 802.11n (HT Mixed, 135Mbps, 64-QAM)      | WLAN    | 6.75     | ±9.6                   |
| 10140 | CAF | LTE-FDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)     | LTE-FDD | 6.49     | ±9.6                   |
| 10141 | CAF | LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)     | LTE-FDD | 6.53     | ±9.6                   |
| 10142 | CAF | LTE-FDD (SC-FDMA, 100% RB, 8MHz, QPSK)        | LTE-FDD | 5.73     | ±9.6                   |
| 10143 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)      | LTE-FDD | 6.35     | ±9.6                   |
| 10144 | CAF | LTE-FDD (SC-FDMA, 100% RB, 8MHz, 64-QAM)      | LTE-FDD | 6.65     | ±9.6                   |
| 10145 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)      | LTE-FDD | 5.76     | ±9.6                   |
| 10146 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM)    | LTE-FDD | 6.41     | ±9.6                   |
| 10147 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM)    | LTE-FDD | 6.72     | ±9.6                   |
| 10148 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20MHz, 16-QAM)      | LTE-FDD | 6.42     | ±9.6                   |
| 10150 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20MHz, 64-QAM)      | LTE-FDD | 6.50     | ±9.6                   |
| 10151 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20MHz, QPSK)        | LTE-TDD | 9.29     | ±9.6                   |
| 10152 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20MHz, 16-QAM)      | LTE-TDD | 9.32     | ±9.6                   |
| 10153 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20MHz, 64-QAM)      | LTE-TDD | 10.05    | ±9.6                   |
| 10154 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10MHz, QPSK)        | LTE-FDD | 5.75     | ±9.6                   |
| 10155 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10MHz, 16-QAM)      | LTE-FDD | 6.43     | ±9.6                   |
| 10156 | CAF | LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)         | LTE-FDD | 5.78     | ±9.6                   |
| 10157 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)       | LTE-FDD | 6.48     | ±9.6                   |
| 10159 | CAH | LTE-FDD (SC-FDMA, 10% RB, 10MHz, 64-QAM)      | LTE-FDD | 6.62     | ±9.6                   |
| 10158 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)       | LTE-FDD | 6.66     | ±9.6                   |
| 10160 | CAF | LTE-FDD (SC-FDMA, 50% RB, 10MHz, QPSK)        | LTE-FDD | 5.82     | ±9.6                   |
| 10161 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)      | LTE-FDD | 6.45     | ±9.6                   |
| 10162 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15MHz, 64-QAM)      | LTE-FDD | 6.58     | ±9.6                   |
| 10166 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, QPSK)       | LTE-FDD | 5.43     | ±9.6                   |
| 10167 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM)     | LTE-FDD | 6.21     | ±9.6                   |
| 10168 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM)     | LTE-FDD | 6.79     | ±9.6                   |
| 10169 | CAF | LTE-FDD (SC-FDMA, 1 RB, 20MHz, QPSK)          | LTE-FDD | 5.73     | ±9.6                   |
| 10170 | CAF | LTE-FDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)        | LTE-FDD | 6.52     | ±9.6                   |
| 10171 | AAF | LTE-FDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)        | LTE-FDD | 6.48     | ±9.6                   |
| 10172 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20MHz, QPSK)          | LTE-TDD | 9.21     | ±9.6                   |
| 10173 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)        | LTE-TDD | 9.46     | ±9.6                   |
| 10174 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)        | LTE-TDD | 10.25    | ±9.6                   |
| 10175 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10MHz, QPSK)          | LTE-FDD | 5.72     | ±9.6                   |
| 10176 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10MHz, 16-QAM)        | LTE-FDD | 6.32     | ±9.6                   |
| 10177 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)           | LTE-FDD | 5.73     | ±9.6                   |
| 10178 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)         | LTE-FDD | 6.52     | ±9.6                   |
| 10179 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)        | LTE-FDD | 6.50     | ±9.6                   |
| 10180 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)         | LTE-FDD | 6.50     | ±9.6                   |
| 10181 | CAF | LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)          | LTE-FDD | 6.72     | ±9.6                   |
| 10182 | CAF | LTE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)        | LTE-FDD | 6.52     | ±9.6                   |
| 10183 | AAF | LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)        | LTE-FDD | 6.50     | ±9.6                   |
| 10184 | CAF | LTE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK)           | LTE-FDD | 5.73     | ±9.6                   |
| 10185 | CAF | LTE-FDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)         | LTE-FDD | 6.51     | ±9.6                   |
| 10186 | AAF | LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)         | LTE-FDD | 6.50     | ±9.6                   |
| 10187 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)         | LTE-FDD | 5.73     | ±9.6                   |
| 10188 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)       | LTE-FDD | 6.52     | ±9.6                   |
| 10189 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)       | LTE-FDD | 6.93     | ±9.6                   |
| 10190 | CAE | IEEE 802.11n (HT Greenfield, 8.5Mbps, BPSK)   | WLAN    | 6.09     | ±9.6                   |
| 10194 | CAF | IEEE 802.11n (HT Greenfield, 39Mbps, 16-QAM)  | WLAN    | 6.12     | ±9.6                   |
| 10195 | CAF | IEEE 802.11n (HT Greenfield, 65Mbps, 64-QAM)  | WLAN    | 6.21     | ±9.6                   |
| 10196 | CAE | IEEE 802.11n (HT Mixed, 8.5Mbps, BPSK)        | WLAN    | 6.10     | ±9.6                   |
| 10197 | CAE | IEEE 802.11n (HT Mixed, 39Mbps, 16-QAM)       | WLAN    | 6.13     | ±9.6                   |
| 10198 | CAE | IEEE 802.11n (HT Mixed, 65Mbps, 64-QAM)       | WLAN    | 6.27     | ±9.6                   |
| 10219 | CAE | IEEE 802.11n (HT Mixed, 7.2Mbps, BPSK)        | WLAN    | 6.03     | ±9.6                   |
| 10220 | CAF | IEEE 802.11n (HT Mixed, 45.2Mbps, 16-QAM)     | WLAN    | 6.15     | ±9.6                   |
| 10221 | CAF | IEEE 802.11n (HT Mixed, 72.2Mbps, 64-QAM)     | WLAN    | 6.27     | ±9.6                   |
| 10222 | CAF | IEEE 802.11n (HT Mixed, 15Mbps, BPSK)         | WLAN    | 6.08     | ±9.6                   |
| 10223 | CAE | IEEE 802.11n (HT Mixed, 39Mbps, 16-QAM)       | WLAN    | 6.18     | ±9.6                   |
| 10224 | CAE | IEEE 802.11n (HT Mixed, 150Mbps, 64-QAM)      | WLAN    | 6.09     | ±9.6                   |

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| UID   | Rev | Communication System Name                                            | Group    | PAR (dB) | Unc <sup>F</sup> k = 2 |
|-------|-----|----------------------------------------------------------------------|----------|----------|------------------------|
| 10225 | CAC | UMTS-FDD (HSRPA)                                                     | WCDMA    | 5.97     | ±9.6                   |
| 10225 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)                             | LTE-TDD  | 3.49     | ±9.6                   |
| 10227 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)                             | LTE-TDD  | 10.26    | ±9.6                   |
| 10228 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)                               | LTE-TDD  | 9.22     | ±9.6                   |
| 10229 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)                               | LTE-TDD  | 9.48     | ±9.6                   |
| 10230 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)                               | LTE-TDD  | 10.25    | ±9.6                   |
| 10231 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)                                 | LTE-TDD  | 9.19     | ±9.6                   |
| 10232 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)                               | LTE-TDD  | 9.48     | ±9.6                   |
| 10233 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)                               | LTE-TDD  | 10.25    | ±9.6                   |
| 10234 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)                                 | LTE-TDD  | 9.21     | ±9.6                   |
| 10235 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)                              | LTE-TDD  | 9.48     | ±9.6                   |
| 10236 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)                              | LTE-TDD  | 10.25    | ±9.6                   |
| 10237 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)                                | LTE-TDD  | 9.21     | ±9.6                   |
| 10238 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)                              | LTE-TDD  | 9.49     | ±9.6                   |
| 10239 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)                              | LTE-TDD  | 10.25    | ±9.6                   |
| 10240 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)                                | LTE-TDD  | 9.21     | ±9.6                   |
| 10241 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)                           | LTE-TDD  | 9.82     | ±9.6                   |
| 10242 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)                           | LTE-TDD  | 9.86     | ±9.6                   |
| 10243 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)                             | LTE-TDD  | 9.48     | ±9.6                   |
| 10244 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                             | LTE-TDD  | 10.09    | ±9.6                   |
| 10245 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                             | LTE-TDD  | 10.09    | ±9.6                   |
| 10246 | CAL | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                               | LTE-TDD  | 9.30     | ±9.6                   |
| 10247 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)                             | LTE-TDD  | 9.91     | ±9.6                   |
| 10248 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)                             | LTE-TDD  | 10.09    | ±9.6                   |
| 10249 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)                               | LTE-TDD  | 9.29     | ±9.6                   |
| 10250 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)                            | LTE-TDD  | 9.81     | ±9.6                   |
| 10251 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)                            | LTE-TDD  | 10.17    | ±9.6                   |
| 10252 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)                              | LTE-TDD  | 9.24     | ±9.6                   |
| 10253 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)                            | LTE-TDD  | 9.90     | ±9.6                   |
| 10254 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)                            | LTE-TDD  | 10.14    | ±9.6                   |
| 10255 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)                              | LTE-TDD  | 9.20     | ±9.6                   |
| 10256 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)                          | LTE-TDD  | 9.99     | ±9.6                   |
| 10257 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)                          | LTE-TDD  | 10.09    | ±9.6                   |
| 10258 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)                            | LTE-TDD  | 9.34     | ±9.6                   |
| 10259 | CAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)                            | LTE-TDD  | 9.99     | ±9.6                   |
| 10260 | CAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)                            | LTE-TDD  | 9.97     | ±9.6                   |
| 10261 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)                              | LTE-TDD  | 9.24     | ±9.6                   |
| 10262 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)                            | LTE-TDD  | 9.89     | ±9.6                   |
| 10263 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)                            | LTE-TDD  | 10.16    | ±9.6                   |
| 10264 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)                              | LTE-TDD  | 9.23     | ±9.6                   |
| 10265 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)                           | LTE-TDD  | 9.92     | ±9.6                   |
| 10266 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)                           | LTE-TDD  | 10.07    | ±9.6                   |
| 10267 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)                             | LTE-TDD  | 9.30     | ±9.6                   |
| 10268 | CAQ | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)                           | LTE-TDD  | 10.06    | ±9.6                   |
| 10269 | CAQ | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)                           | LTE-TDD  | 10.13    | ±9.6                   |
| 10270 | CAQ | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                             | LTE-TDD  | 9.58     | ±9.6                   |
| 10274 | CAC | UMTS-FDD (HSRPA, Spread 5, 3GPP Rel.10)                              | WCDMA    | 4.87     | ±9.6                   |
| 10275 | CAC | UMTS-FDD (HSRPA, Spread 5, 3GPP Rel.4)                               | WCDMA    | 3.96     | ±9.6                   |
| 10277 | CAA | PHS (QPSK)                                                           | PHS      | 11.81    | ±9.6                   |
| 10278 | CAA | PHS (QPSK, BW 884MHz, Roll-off 0.5)                                  | PHS      | 11.81    | ±9.6                   |
| 10279 | CAA | PHS (QPSK, BW 884MHz, Roll-off 0.39)                                 | PHS      | 12.18    | ±9.6                   |
| 10280 | AAB | CDMA2000, RC1, SO55, Full Rate                                       | CDMA2000 | 3.91     | ±9.6                   |
| 10281 | AAB | CDMA2000, RC3, SO55, Full Rate                                       | CDMA2000 | 3.48     | ±9.6                   |
| 10282 | AAB | CDMA2000, RC3, SO37, Full Rate                                       | CDMA2000 | 3.39     | ±9.6                   |
| 10288 | 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 | AAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                              | LTE-FDD  | 5.81     | ±9.6                   |
| 10298 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                               | LTE-FDD  | 5.72     | ±9.6                   |
| 10299 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                             | LTE-FDD  | 6.39     | ±9.6                   |
| 10300 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                             | LTE-FDD  | 6.60     | ±9.6                   |
| 10301 | AAA | IEEE 802.16e WiMAX (29.18, 5 ms, 10 MHz, QPSK, PUSC)                 | WiMAX    | 12.03    | ±9.6                   |
| 10302 | AAA | IEEE 802.16e WiMAX (29.18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) | WiMAX    | 12.57    | ±9.6                   |
| 10303 | AAA | IEEE 802.16e WiMAX (31.15, 5 ms, 10 MHz, 64QAM, PUSC)                | WiMAX    | 12.52    | ±9.6                   |
| 10304 | AAA | IEEE 802.16e WiMAX (29.18, 5 ms, 10 MHz, 64QAM, PUSC)                | WiMAX    | 11.86    | ±9.6                   |
| 10305 | AAA | IEEE 802.16e WiMAX (31.15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)   | WiMAX    | 15.24    | ±9.6                   |
| 10306 | AAA | IEEE 802.16e WiMAX (29.18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)   | WiMAX    | 14.87    | ±9.6                   |

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| UID   | Rev | Communication System Name                                                       | Group    | PAR [dB] | Unc <sup>1</sup> k = 2 |
|-------|-----|---------------------------------------------------------------------------------|----------|----------|------------------------|
| 10307 | AAA | IEEE 802.16e WIMAX (20:18, 10 ms, 10 MHz, QPSK, PU50, 15 symbols)               | WIMAX    | 14.43    | ±0.6                   |
| 10308 | AAA | IEEE 802.16e WIMAX (20:18, 10 ms, 10 MHz, 16QAM, PU50)                          | WIMAX    | 14.48    | ±0.6                   |
| 10309 | AAA | IEEE 802.16e WIMAX (20:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)           | WIMAX    | 14.50    | ±0.6                   |
| 10310 | AAA | IEEE 802.16e WIMAX (20:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)            | WIMAX    | 14.57    | ±0.6                   |
| 10311 | AAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                                        | LTE-FDD  | 6.08     | ±0.6                   |
| 10313 | AAA | CDEN 1:0                                                                        | CDEN     | 6.51     | ±0.6                   |
| 10314 | AAA | CDEN 1:0                                                                        | CDEN     | 13.48    | ±0.6                   |
| 10315 | AAB | IEEE 802.11b WiFi (2.4 GHz, DSSS, 1 Mbps, 99pc duty cycle)                      | WLAN     | 1.71     | ±0.6                   |
| 10316 | AAB | IEEE 802.11g WiFi (2.4 GHz, ERP-OFDM, 6 Mbps, 99pc duty cycle)                  | WLAN     | 8.36     | ±0.6                   |
| 10317 | AAE | IEEE 802.11a WiFi (5 GHz, OFDM, 6 Mbps, 99pc duty cycle)                        | WLAN     | 8.38     | ±0.6                   |
| 10352 | AAA | Pulse Waveform (200Hz, 10%)                                                     | Generic  | 11.00    | ±0.6                   |
| 10353 | AAA | Pulse Waveform (200Hz, 20%)                                                     | Generic  | 6.69     | ±0.6                   |
| 10354 | AAA | Pulse Waveform (200Hz, 40%)                                                     | Generic  | 3.98     | ±0.6                   |
| 10355 | AAA | Pulse Waveform (200Hz, 60%)                                                     | Generic  | 2.25     | ±0.6                   |
| 10356 | AAA | Pulse Waveform (200Hz, 80%)                                                     | Generic  | 0.97     | ±0.6                   |
| 10387 | AAA | QPSK Waveform, 1 MHz                                                            | Generic  | 5.10     | ±0.6                   |
| 10388 | AAA | QPSK Waveform, 10 MHz                                                           | Generic  | 5.22     | ±0.6                   |
| 10389 | AAA | 64-QAM Waveform, 100 kHz                                                        | Generic  | 8.27     | ±0.6                   |
| 10389 | AAA | 64-QAM Waveform, 40 MHz                                                         | Generic  | 8.27     | ±0.6                   |
| 10400 | AAF | IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)                            | WLAN     | 8.37     | ±0.6                   |
| 10401 | AAF | IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)                            | WLAN     | 8.50     | ±0.6                   |
| 10402 | AAF | IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)                            | WLAN     | 8.53     | ±0.6                   |
| 10403 | AAB | CDMA2000 1xEV-DO, Rev. 0                                                        | CDMA2000 | 3.78     | ±0.6                   |
| 10404 | AAB | CDMA2000 1xEV-DO, Rev. A                                                        | CDMA2000 | 3.77     | ±0.6                   |
| 10405 | AAB | CDMA2000, RCH, SCH, SCH, Full Rate                                              | CDMA2000 | 5.22     | ±0.6                   |
| 10413 | AAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) | LTE-TDD  | 7.82     | ±0.6                   |
| 10414 | AAA | WLAN CCDF 64-QAM, 40 MHz                                                        | Generic  | 8.54     | ±0.6                   |
| 10415 | AAA | IEEE 802.11b WiFi (2.4 GHz, DSSS, 1 Mbps, 99pc duty cycle)                      | WLAN     | 1.54     | ±0.6                   |
| 10416 | AAA | IEEE 802.11g WiFi (2.4 GHz, ERP-OFDM, 6 Mbps, 99pc duty cycle)                  | WLAN     | 8.23     | ±0.6                   |
| 10417 | AAE | IEEE 802.11a WiFi (5 GHz, OFDM, 6 Mbps, 99pc duty cycle)                        | WLAN     | 8.23     | ±0.6                   |
| 10418 | AAA | IEEE 802.11g WiFi (2.4 GHz, DSSS-OFDM, 6 Mbps, 99pc duty cycle, long preamble)  | WLAN     | 8.14     | ±0.6                   |
| 10419 | AAA | IEEE 802.11g WiFi (2.4 GHz, DSSS-OFDM, 6 Mbps, 99pc duty cycle, short preamble) | WLAN     | 8.19     | ±0.6                   |
| 10422 | AAE | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)                                    | WLAN     | 8.32     | ±0.6                   |
| 10423 | AAE | IEEE 802.11n (HT Greenfield, 48.3 Mbps, 16-QAM)                                 | WLAN     | 8.47     | ±0.6                   |
| 10424 | AAE | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)                                 | WLAN     | 8.40     | ±0.6                   |
| 10425 | AAE | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                                     | WLAN     | 8.41     | ±0.6                   |
| 10426 | AAE | IEEE 802.11n (HT Greenfield, 30 Mbps, 16-QAM)                                   | WLAN     | 8.45     | ±0.6                   |
| 10427 | AAE | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)                                  | WLAN     | 8.41     | ±0.6                   |
| 10430 | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                                                | LTE-FDD  | 8.29     | ±0.6                   |
| 10431 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                                               | LTE-FDD  | 8.39     | ±0.6                   |
| 10432 | AAE | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                                               | LTE-FDD  | 8.34     | ±0.6                   |
| 10433 | AAE | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                                               | LTE-FDD  | 8.34     | ±0.6                   |
| 10434 | AAB | WCDMA (SS Test Model 1, 64-QPSK)                                                | WCDMA    | 6.60     | ±0.6                   |
| 10435 | AAE | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 7.82     | ±0.6                   |
| 10447 | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)                                  | LTE-FDD  | 7.56     | ±0.6                   |
| 10449 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)                                 | LTE-FDD  | 7.52     | ±0.6                   |
| 10449 | AAE | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)                                 | LTE-FDD  | 7.51     | ±0.6                   |
| 10450 | AAE | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)                                 | LTE-FDD  | 7.48     | ±0.6                   |
| 10451 | AAB | WCDMA (SS Test Model 1, 64-QPSK, Clipping 44%)                                  | WCDMA    | 7.50     | ±0.6                   |
| 10453 | AAE | Validation (Square, 10 ms, 1 ms)                                                | Test     | 10.00    | ±0.6                   |
| 10456 | AAE | IEEE 802.11ac WiFi (5 GHz, 64-QAM, 99pc duty cycle)                             | WLAN     | 8.53     | ±0.6                   |
| 10457 | AAE | UMTS-FDD (DS-SS, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                    | WCDMA    | 6.52     | ±0.6                   |
| 10458 | AAA | CDMA2000 1xEV-DO, Rev. B, 2 carriers                                            | CDMA2000 | 6.55     | ±0.6                   |
| 10459 | AAA | CDMA2000 1xEV-DO, Rev. B, 3 carriers                                            | CDMA2000 | 6.25     | ±0.6                   |
| 10460 | AAE | UMTS-FDD (WCDMA, AMF)                                                           | WCDMA    | 6.30     | ±0.6                   |
| 10461 | AAE | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 7.82     | ±0.6                   |
| 10462 | AAE | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)               | LTE-TDD  | 8.30     | ±0.6                   |
| 10463 | AAE | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)               | LTE-TDD  | 8.58     | ±0.6                   |
| 10464 | AAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                   | LTE-TDD  | 7.82     | ±0.6                   |
| 10465 | AAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 8.32     | ±0.6                   |
| 10466 | AAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 8.57     | ±0.6                   |
| 10467 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                   | LTE-TDD  | 7.82     | ±0.6                   |
| 10468 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 8.32     | ±0.6                   |
| 10469 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 8.56     | ±0.6                   |
| 10470 | AAE | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 7.82     | ±0.6                   |
| 10471 | AAE | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 8.32     | ±0.6                   |

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| UID   | Rev | Communication System Name                                            | Group   | PAR (dB) | Unc <sup>2</sup> K=2 |
|-------|-----|----------------------------------------------------------------------|---------|----------|----------------------|
| 10472 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.67     | ±0.6                 |
| 10473 | AAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.82     | ±0.6                 |
| 10474 | AAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.22     | ±0.6                 |
| 10475 | AAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.67     | ±0.6                 |
| 10477 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.32     | ±0.6                 |
| 10478 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | ±0.6                 |
| 10479 | AAG | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | ±0.6                 |
| 10480 | AAG | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.19     | ±0.6                 |
| 10481 | AAG | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.45     | ±0.6                 |
| 10482 | AAG | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)      | LTE-TDD | 7.71     | ±0.6                 |
| 10483 | AAG | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.38     | ±0.6                 |
| 10484 | AAG | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.47     | ±0.6                 |
| 10485 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)      | LTE-TDD | 7.59     | ±0.6                 |
| 10486 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.38     | ±0.6                 |
| 10487 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.68     | ±0.6                 |
| 10488 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.60     | ±0.6                 |
| 10489 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 7.70     | ±0.6                 |
| 10490 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.27     | ±0.6                 |
| 10491 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | ±0.6                 |
| 10492 | AAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.74     | ±0.6                 |
| 10493 | AAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.41     | ±0.6                 |
| 10494 | AAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.55     | ±0.6                 |
| 10495 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.74     | ±0.6                 |
| 10496 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.37     | ±0.6                 |
| 10497 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | ±0.6                 |
| 10498 | AAG | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 7.67     | ±0.6                 |
| 10499 | AAG | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.40     | ±0.6                 |
| 10500 | AAG | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.68     | ±0.6                 |
| 10501 | AAG | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.67     | ±0.6                 |
| 10502 | AAG | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.44     | ±0.6                 |
| 10503 | AAG | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.52     | ±0.6                 |
| 10504 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.72     | ±0.6                 |
| 10505 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.31     | ±0.6                 |
| 10506 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | ±0.6                 |
| 10507 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | ±0.6                 |
| 10508 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.38     | ±0.6                 |
| 10509 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.65     | ±0.6                 |
| 10510 | AAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.59     | ±0.6                 |
| 10511 | AAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.45     | ±0.6                 |
| 10512 | AAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.51     | ±0.6                 |
| 10513 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | ±0.6                 |
| 10514 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.42     | ±0.6                 |
| 10515 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.45     | ±0.6                 |
| 10516 | AAA | IEEE 802.11a WiFi (2.4 GHz (DSSS), 2 Mbps, 99pc duty cycle)          | WLAN    | 1.33     | ±0.6                 |
| 10517 | AAA | IEEE 802.11a WiFi (2.4 GHz (DSSS), 5.5 Mbps, 99pc duty cycle)        | WLAN    | 1.57     | ±0.6                 |
| 10518 | AAA | IEEE 802.11a WiFi (2.4 GHz (DSSS), 11 Mbps, 99pc duty cycle)         | WLAN    | 1.58     | ±0.6                 |
| 10519 | AAD | IEEE 802.11a WiFi (5 GHz (OFDM), 9 Mbps, 99pc duty cycle)            | WLAN    | 8.23     | ±0.6                 |
| 10520 | AAD | IEEE 802.11a WiFi (5 GHz (OFDM), 12 Mbps, 99pc duty cycle)           | WLAN    | 8.33     | ±0.6                 |
| 10521 | AAD | IEEE 802.11a WiFi (5 GHz (OFDM), 18 Mbps, 99pc duty cycle)           | WLAN    | 8.12     | ±0.6                 |
| 10522 | AAD | IEEE 802.11a WiFi (5 GHz (OFDM), 24 Mbps, 99pc duty cycle)           | WLAN    | 7.97     | ±0.6                 |
| 10523 | AAD | IEEE 802.11a WiFi (5 GHz (OFDM), 36 Mbps, 99pc duty cycle)           | WLAN    | 8.45     | ±0.6                 |
| 10524 | AAD | IEEE 802.11a WiFi (5 GHz (OFDM), 48 Mbps, 99pc duty cycle)           | WLAN    | 8.08     | ±0.6                 |
| 10525 | AAD | IEEE 802.11a WiFi (5 GHz (OFDM), 54 Mbps, 99pc duty cycle)           | WLAN    | 8.27     | ±0.6                 |
| 10526 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)                   | WLAN    | 8.38     | ±0.6                 |
| 10527 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)                   | WLAN    | 8.42     | ±0.6                 |
| 10528 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)                   | WLAN    | 8.21     | ±0.6                 |
| 10529 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)                   | WLAN    | 8.38     | ±0.6                 |
| 10530 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)                   | WLAN    | 8.30     | ±0.6                 |
| 10531 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS5, 99pc duty cycle)                   | WLAN    | 8.43     | ±0.6                 |
| 10532 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)                   | WLAN    | 8.25     | ±0.6                 |
| 10533 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)                   | WLAN    | 8.38     | ±0.6                 |
| 10534 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)                   | WLAN    | 8.45     | ±0.6                 |
| 10535 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)                   | WLAN    | 8.45     | ±0.6                 |
| 10536 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)                   | WLAN    | 8.32     | ±0.6                 |
| 10537 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)                   | WLAN    | 8.44     | ±0.6                 |
| 10538 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)                   | WLAN    | 8.54     | ±0.6                 |
| 10539 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)                   | WLAN    | 8.53     | ±0.6                 |

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| UID   | Rev | Communication System Name                                       | Group | PAR (dB) | Unc <sup>2</sup> $\gamma = 2$ |
|-------|-----|-----------------------------------------------------------------|-------|----------|-------------------------------|
| 10544 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)              | WLAN  | 8.40     | $\pm 0.6$                     |
| 10542 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)              | WLAN  | 8.60     | $\pm 0.6$                     |
| 10543 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)              | WLAN  | 8.65     | $\pm 0.6$                     |
| 10544 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)              | WLAN  | 8.47     | $\pm 0.6$                     |
| 10545 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS11, 99pc duty cycle)             | WLAN  | 8.55     | $\pm 0.6$                     |
| 10546 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS12, 99pc duty cycle)             | WLAN  | 8.35     | $\pm 0.6$                     |
| 10547 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS13, 99pc duty cycle)             | WLAN  | 9.49     | $\pm 0.6$                     |
| 10548 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS14, 99pc duty cycle)             | WLAN  | 9.37     | $\pm 0.6$                     |
| 10550 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS16, 99pc duty cycle)             | WLAN  | 9.39     | $\pm 0.6$                     |
| 10551 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS17, 99pc duty cycle)             | WLAN  | 8.50     | $\pm 0.6$                     |
| 10552 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS18, 99pc duty cycle)             | WLAN  | 8.42     | $\pm 0.6$                     |
| 10553 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS19, 99pc duty cycle)             | WLAN  | 8.46     | $\pm 0.6$                     |
| 10554 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS16, 99pc duty cycle)            | WLAN  | 8.48     | $\pm 0.6$                     |
| 10555 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS17, 99pc duty cycle)            | WLAN  | 8.47     | $\pm 0.6$                     |
| 10556 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS18, 99pc duty cycle)            | WLAN  | 8.50     | $\pm 0.6$                     |
| 10557 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS19, 99pc duty cycle)            | WLAN  | 8.52     | $\pm 0.6$                     |
| 10558 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS21, 99pc duty cycle)            | WLAN  | 8.61     | $\pm 0.6$                     |
| 10559 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS22, 99pc duty cycle)            | WLAN  | 8.78     | $\pm 0.6$                     |
| 10560 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS23, 99pc duty cycle)            | WLAN  | 8.55     | $\pm 0.6$                     |
| 10561 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS24, 99pc duty cycle)            | WLAN  | 8.89     | $\pm 0.6$                     |
| 10562 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS25, 99pc duty cycle)            | WLAN  | 8.77     | $\pm 0.6$                     |
| 10563 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS26, 99pc duty cycle)            | WLAN  | 8.77     | $\pm 0.6$                     |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)  | WLAN  | 8.25     | $\pm 0.6$                     |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | WLAN  | 8.45     | $\pm 0.6$                     |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | WLAN  | 8.13     | $\pm 0.6$                     |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) | WLAN  | 8.00     | $\pm 0.6$                     |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | WLAN  | 8.37     | $\pm 0.6$                     |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | WLAN  | 8.10     | $\pm 0.6$                     |
| 10570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) | WLAN  | 8.20     | $\pm 0.6$                     |
| 10571 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)       | WLAN  | 1.98     | $\pm 0.6$                     |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)       | WLAN  | 1.98     | $\pm 0.6$                     |
| 10573 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)     | WLAN  | 1.98     | $\pm 0.6$                     |
| 10574 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)      | WLAN  | 1.98     | $\pm 0.6$                     |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle)  | WLAN  | 8.59     | $\pm 0.6$                     |
| 10576 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)  | WLAN  | 8.60     | $\pm 0.6$                     |
| 10577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | WLAN  | 8.79     | $\pm 0.6$                     |
| 10578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | WLAN  | 8.49     | $\pm 0.6$                     |
| 10579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) | WLAN  | 8.36     | $\pm 0.6$                     |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | WLAN  | 8.76     | $\pm 0.6$                     |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | WLAN  | 8.25     | $\pm 0.6$                     |
| 10582 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) | WLAN  | 8.67     | $\pm 0.6$                     |
| 10583 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)        | WLAN  | 8.58     | $\pm 0.6$                     |
| 10584 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)        | WLAN  | 8.60     | $\pm 0.6$                     |
| 10585 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)       | WLAN  | 8.70     | $\pm 0.6$                     |
| 10586 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       | WLAN  | 8.49     | $\pm 0.6$                     |
| 10587 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       | WLAN  | 8.36     | $\pm 0.6$                     |
| 10588 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       | WLAN  | 8.76     | $\pm 0.6$                     |
| 10589 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       | WLAN  | 8.35     | $\pm 0.6$                     |
| 10590 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       | WLAN  | 8.67     | $\pm 0.6$                     |
| 10591 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS0, 99pc duty cycle            | WLAN  | 8.63     | $\pm 0.6$                     |
| 10592 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS1, 99pc duty cycle            | WLAN  | 8.78     | $\pm 0.6$                     |
| 10593 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS2, 99pc duty cycle            | WLAN  | 8.64     | $\pm 0.6$                     |
| 10594 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS3, 99pc duty cycle            | WLAN  | 8.74     | $\pm 0.6$                     |
| 10595 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS4, 99pc duty cycle            | WLAN  | 8.74     | $\pm 0.6$                     |
| 10596 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS5, 99pc duty cycle            | WLAN  | 8.71     | $\pm 0.6$                     |
| 10597 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS6, 99pc duty cycle            | WLAN  | 8.72     | $\pm 0.6$                     |
| 10598 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS7, 99pc duty cycle            | WLAN  | 8.60     | $\pm 0.6$                     |
| 10599 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS8, 99pc duty cycle            | WLAN  | 8.79     | $\pm 0.6$                     |
| 10600 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS11, 99pc duty cycle           | WLAN  | 8.88     | $\pm 0.6$                     |
| 10601 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS12, 99pc duty cycle           | WLAN  | 8.82     | $\pm 0.6$                     |
| 10602 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS13, 99pc duty cycle           | WLAN  | 8.94     | $\pm 0.6$                     |
| 10603 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS14, 99pc duty cycle           | WLAN  | 9.03     | $\pm 0.6$                     |
| 10604 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS16, 99pc duty cycle           | WLAN  | 8.76     | $\pm 0.6$                     |
| 10605 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS17, 99pc duty cycle           | WLAN  | 8.97     | $\pm 0.6$                     |
| 10606 | AAD | IEEE 802.11n HT Mixed, 20 MHz, MCS18, 99pc duty cycle           | WLAN  | 8.82     | $\pm 0.6$                     |
| 10607 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)              | WLAN  | 8.64     | $\pm 0.6$                     |
| 10608 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)              | WLAN  | 8.77     | $\pm 0.6$                     |



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February 22, 2024

| UID   | Rev | Communication System Name                           | Group | PAR (dB) | Unc <sup>2</sup> K = 2 |
|-------|-----|-----------------------------------------------------|-------|----------|------------------------|
| 10800 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS6, 80ps duty cycle)  | WLAN  | 8.57     | ±8.6                   |
| 10810 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS6, 80ps duty cycle)  | WLAN  | 8.78     | ±8.6                   |
| 10811 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS4, 80ps duty cycle)  | WLAN  | 8.70     | ±8.6                   |
| 10812 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS5, 80ps duty cycle)  | WLAN  | 8.77     | ±8.6                   |
| 10813 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS6, 80ps duty cycle)  | WLAN  | 8.94     | ±8.6                   |
| 10814 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS7, 80ps duty cycle)  | WLAN  | 8.50     | ±8.6                   |
| 10815 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS9, 80ps duty cycle)  | WLAN  | 8.82     | ±8.6                   |
| 10816 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS3, 80ps duty cycle)  | WLAN  | 8.81     | ±8.6                   |
| 10817 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS1, 80ps duty cycle)  | WLAN  | 8.59     | ±8.6                   |
| 10818 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS2, 80ps duty cycle)  | WLAN  | 8.86     | ±8.6                   |
| 10819 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS3, 80ps duty cycle)  | WLAN  | 8.87     | ±8.6                   |
| 10820 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS4, 80ps duty cycle)  | WLAN  | 8.77     | ±8.6                   |
| 10821 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS5, 80ps duty cycle)  | WLAN  | 8.69     | ±8.6                   |
| 10822 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS6, 80ps duty cycle)  | WLAN  | 8.62     | ±8.6                   |
| 10823 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS7, 80ps duty cycle)  | WLAN  | 8.80     | ±8.6                   |
| 10824 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS8, 80ps duty cycle)  | WLAN  | 8.90     | ±8.6                   |
| 10825 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS9, 80ps duty cycle)  | WLAN  | 8.85     | ±8.6                   |
| 10826 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS0, 80ps duty cycle)  | WLAN  | 8.88     | ±8.6                   |
| 10827 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS1, 80ps duty cycle)  | WLAN  | 8.71     | ±8.6                   |
| 10828 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS2, 80ps duty cycle)  | WLAN  | 8.65     | ±8.6                   |
| 10829 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS3, 80ps duty cycle)  | WLAN  | 8.72     | ±8.6                   |
| 10830 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS4, 80ps duty cycle)  | WLAN  | 8.81     | ±8.6                   |
| 10831 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS5, 80ps duty cycle)  | WLAN  | 8.74     | ±8.6                   |
| 10832 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS6, 80ps duty cycle)  | WLAN  | 8.83     | ±8.6                   |
| 10833 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS7, 80ps duty cycle)  | WLAN  | 8.60     | ±8.6                   |
| 10834 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS8, 80ps duty cycle)  | WLAN  | 8.81     | ±8.6                   |
| 10835 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 80ps duty cycle)  | WLAN  | 8.83     | ±8.6                   |
| 10836 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS0, 80ps duty cycle) | WLAN  | 8.79     | ±8.6                   |
| 10837 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS1, 80ps duty cycle) | WLAN  | 8.86     | ±8.6                   |
| 10838 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS2, 80ps duty cycle) | WLAN  | 8.83     | ±8.6                   |
| 10839 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS3, 80ps duty cycle) | WLAN  | 8.98     | ±8.6                   |
| 10840 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS4, 80ps duty cycle) | WLAN  | 8.98     | ±8.6                   |
| 10841 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS5, 80ps duty cycle) | WLAN  | 9.08     | ±8.6                   |
| 10842 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS6, 80ps duty cycle) | WLAN  | 9.08     | ±8.6                   |
| 10843 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS7, 80ps duty cycle) | WLAN  | 8.89     | ±8.6                   |
| 10844 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS8, 80ps duty cycle) | WLAN  | 8.93     | ±8.6                   |
| 10845 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle) | WLAN  | 9.11     | ±8.6                   |
| 10846 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS0, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10847 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS1, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10848 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS2, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10849 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS3, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10850 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS4, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10851 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS5, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10852 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS6, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10853 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS7, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10854 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS8, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10855 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10856 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS0, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10857 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS1, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10858 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS2, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10859 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS3, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10860 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS4, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10861 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS5, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10862 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS6, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10863 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS7, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10864 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS8, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10865 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10866 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS0, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10867 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS1, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10868 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS2, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10869 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS3, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10870 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS4, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10871 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS5, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10872 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS6, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10873 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS7, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10874 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS8, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10875 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10876 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS0, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10877 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS1, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10878 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS2, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10879 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS3, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10880 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS4, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10881 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS5, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10882 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS6, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10883 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS7, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10884 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS8, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10885 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |
| 10886 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS0, 80ps duty cycle) | WLAN  | 9.06     | ±8.6                   |

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| UID   | Rev | Communication System Name                      | Group | PAR (dB) | Unc <sup>F</sup> k = 2 |
|-------|-----|------------------------------------------------|-------|----------|------------------------|
| 10687 | AAC | IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)  | WLAN  | 8.45     | ±9.6                   |
| 10688 | AAC | IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)  | WLAN  | 8.29     | ±9.6                   |
| 10689 | AAC | IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)  | WLAN  | 8.55     | ±9.6                   |
| 10690 | AAC | IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)  | WLAN  | 8.25     | ±9.6                   |
| 10691 | AAC | IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.25     | ±9.6                   |
| 10692 | AAC | IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.25     | ±9.6                   |
| 10693 | AAC | IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle) | WLAN  | 8.25     | ±9.6                   |
| 10694 | AAC | IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle) | WLAN  | 8.57     | ±9.6                   |
| 10695 | AAC | IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)  | WLAN  | 8.76     | ±9.6                   |
| 10696 | AAC | IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)  | WLAN  | 8.91     | ±9.6                   |
| 10697 | AAC | IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)  | WLAN  | 8.61     | ±9.6                   |
| 10698 | AAC | IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)  | WLAN  | 8.89     | ±9.6                   |
| 10699 | AAC | IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)  | WLAN  | 8.82     | ±9.6                   |
| 10700 | AAC | IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)  | WLAN  | 8.73     | ±9.6                   |
| 10701 | AAC | IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)  | WLAN  | 8.68     | ±9.6                   |
| 10702 | AAC | IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)  | WLAN  | 8.70     | ±9.6                   |
| 10703 | AAC | IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)  | WLAN  | 8.82     | ±9.6                   |
| 10704 | AAC | IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)  | WLAN  | 8.56     | ±9.6                   |
| 10705 | AAC | IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle) | WLAN  | 8.69     | ±9.6                   |
| 10706 | AAC | IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle) | WLAN  | 8.66     | ±9.6                   |
| 10707 | AAC | IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)  | WLAN  | 8.32     | ±9.6                   |
| 10708 | AAC | IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)  | WLAN  | 8.55     | ±9.6                   |
| 10709 | AAC | IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)  | WLAN  | 8.33     | ±9.6                   |
| 10710 | AAC | IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)  | WLAN  | 8.29     | ±9.6                   |
| 10711 | AAC | IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)  | WLAN  | 8.39     | ±9.6                   |
| 10712 | AAC | IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)  | WLAN  | 8.67     | ±9.6                   |
| 10713 | AAC | IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)  | WLAN  | 8.33     | ±9.6                   |
| 10714 | AAC | IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)  | WLAN  | 8.26     | ±9.6                   |
| 10715 | AAC | IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)  | WLAN  | 8.45     | ±9.6                   |
| 10716 | AAC | IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)  | WLAN  | 8.30     | ±9.6                   |
| 10717 | AAC | IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle) | WLAN  | 8.48     | ±9.6                   |
| 10718 | AAC | IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle) | WLAN  | 8.24     | ±9.6                   |
| 10719 | AAC | IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)  | WLAN  | 8.61     | ±9.6                   |
| 10720 | AAC | IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)  | WLAN  | 8.87     | ±9.6                   |
| 10721 | AAC | IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)  | WLAN  | 8.76     | ±9.6                   |
| 10722 | AAC | IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)  | WLAN  | 8.55     | ±9.6                   |
| 10723 | AAC | IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)  | WLAN  | 8.70     | ±9.6                   |
| 10724 | AAC | IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)  | WLAN  | 8.90     | ±9.6                   |
| 10725 | AAC | IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)  | WLAN  | 8.74     | ±9.6                   |
| 10726 | AAC | IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)  | WLAN  | 8.72     | ±9.6                   |
| 10727 | AAC | IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)  | WLAN  | 8.66     | ±9.6                   |
| 10728 | AAC | IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)  | WLAN  | 8.65     | ±9.6                   |
| 10729 | AAC | IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) | WLAN  | 8.54     | ±9.6                   |
| 10730 | AAC | IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle) | WLAN  | 8.57     | ±9.6                   |
| 10731 | AAC | IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)  | WLAN  | 8.42     | ±9.6                   |
| 10732 | AAC | IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)  | WLAN  | 8.48     | ±9.6                   |
| 10733 | AAC | IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)  | WLAN  | 8.40     | ±9.6                   |
| 10734 | AAC | IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)  | WLAN  | 8.25     | ±9.6                   |
| 10735 | AAC | IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)  | WLAN  | 8.33     | ±9.6                   |
| 10736 | AAC | IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)  | WLAN  | 8.27     | ±9.6                   |
| 10737 | AAC | IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)  | WLAN  | 8.26     | ±9.6                   |
| 10738 | AAC | IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)  | WLAN  | 8.42     | ±9.6                   |
| 10739 | AAC | IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)  | WLAN  | 8.29     | ±9.6                   |
| 10740 | AAC | IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)  | WLAN  | 8.46     | ±9.6                   |
| 10741 | AAC | IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) | WLAN  | 8.40     | ±9.6                   |
| 10742 | AAC | IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle) | WLAN  | 8.43     | ±9.6                   |
| 10743 | AAC | IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle) | WLAN  | 8.94     | ±9.6                   |
| 10744 | AAC | IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) | WLAN  | 9.16     | ±9.6                   |
| 10745 | AAC | IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle) | WLAN  | 8.93     | ±9.6                   |
| 10746 | AAC | IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) | WLAN  | 9.11     | ±9.6                   |
| 10747 | AAC | IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle) | WLAN  | 9.04     | ±9.6                   |
| 10748 | AAC | IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) | WLAN  | 8.93     | ±9.6                   |
| 10749 | AAC | IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle) | WLAN  | 8.90     | ±9.6                   |
| 10750 | AAC | IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle) | WLAN  | 8.75     | ±9.6                   |
| 10751 | AAC | IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) | WLAN  | 8.82     | ±9.6                   |
| 10752 | AAC | IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle) | WLAN  | 8.81     | ±9.6                   |

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| UID   | Rev | Communication System Name                      | Group         | PAR (dB) | Unit <sup>F</sup> k = 2 |
|-------|-----|------------------------------------------------|---------------|----------|-------------------------|
| 10753 | AAC | IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) | WLAN          | 9.30     | ±0.6                    |
| 10754 | AAC | IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle) | WLAN          | 9.34     | ±0.6                    |
| 10755 | AAC | IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) | WLAN          | 9.34     | ±0.6                    |
| 10756 | AAC | IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle) | WLAN          | 9.77     | ±0.6                    |
| 10757 | AAC | IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) | WLAN          | 9.77     | ±0.6                    |
| 10758 | AAC | IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle) | WLAN          | 9.69     | ±0.6                    |
| 10759 | AAC | IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) | WLAN          | 9.68     | ±0.6                    |
| 10760 | AAC | IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle) | WLAN          | 9.48     | ±0.6                    |
| 10761 | AAC | IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) | WLAN          | 9.59     | ±0.6                    |
| 10762 | AAC | IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle) | WLAN          | 9.45     | ±0.6                    |
| 10763 | AAC | IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) | WLAN          | 9.53     | ±0.6                    |
| 10764 | AAC | IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle) | WLAN          | 9.64     | ±0.6                    |
| 10765 | AAC | IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) | WLAN          | 9.64     | ±0.6                    |
| 10766 | AAC | IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle) | WLAN          | 9.51     | ±0.6                    |
| 10767 | AAG | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 7.99     | ±0.6                    |
| 10768 | AAG | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15kHz)     | 5G NR FR1 TDD | 8.01     | ±0.6                    |
| 10769 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15kHz)     | 5G NR FR1 TDD | 8.01     | ±0.6                    |
| 10770 | AAF | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15kHz)     | 5G NR FR1 TDD | 8.02     | ±0.6                    |
| 10771 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15kHz)     | 5G NR FR1 TDD | 8.08     | ±0.6                    |
| 10772 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15kHz)     | 5G NR FR1 TDD | 8.22     | ±0.6                    |
| 10773 | AAI | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15kHz)     | 5G NR FR1 TDD | 8.08     | ±0.6                    |
| 10774 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15kHz)     | 5G NR FR1 TDD | 8.09     | ±0.6                    |
| 10775 | AAF | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.51     | ±0.6                    |
| 10776 | AAF | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.30     | ±0.6                    |
| 10777 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.30     | ±0.6                    |
| 10778 | AAE | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.34     | ±0.6                    |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.42     | ±0.6                    |
| 10780 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.38     | ±0.6                    |
| 10781 | AAI | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.38     | ±0.6                    |
| 10782 | AAI | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.43     | ±0.6                    |
| 10783 | AAG | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.31     | ±0.6                    |
| 10784 | AAF | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15kHz)  | 5G NR FR1 TDD | 8.29     | ±0.6                    |
| 10785 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15kHz)  | 5G NR FR1 TDD | 8.40     | ±0.6                    |
| 10786 | AAF | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15kHz)  | 5G NR FR1 TDD | 8.35     | ±0.6                    |
| 10787 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15kHz)  | 5G NR FR1 TDD | 8.44     | ±0.6                    |
| 10788 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15kHz)  | 5G NR FR1 TDD | 8.39     | ±0.6                    |
| 10789 | AAI | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15kHz)  | 5G NR FR1 TDD | 8.37     | ±0.6                    |
| 10790 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15kHz)  | 5G NR FR1 TDD | 8.39     | ±0.6                    |
| 10791 | AAI | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.83     | ±0.6                    |
| 10792 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 7.92     | ±0.6                    |
| 10793 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 7.95     | ±0.6                    |
| 10794 | AAF | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 7.82     | ±0.6                    |
| 10795 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 7.84     | ±0.6                    |
| 10796 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 7.82     | ±0.6                    |
| 10797 | AAI | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 8.01     | ±0.6                    |
| 10798 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 7.89     | ±0.6                    |
| 10799 | AAI | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 7.93     | ±0.6                    |
| 10800 | AAF | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 7.89     | ±0.6                    |
| 10801 | AAE | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 7.97     | ±0.6                    |
| 10802 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 7.93     | ±0.6                    |
| 10803 | AAI | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.34     | ±0.6                    |
| 10804 | AAE | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.37     | ±0.6                    |
| 10805 | AAE | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.34     | ±0.6                    |
| 10806 | AAE | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.34     | ±0.6                    |
| 10807 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.35     | ±0.6                    |
| 10808 | AAE | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.35     | ±0.6                    |
| 10809 | AAE | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.35     | ±0.6                    |
| 10810 | AAE | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 8.34     | ±0.6                    |
| 10811 | AAE | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 8.30     | ±0.6                    |
| 10812 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 8.30     | ±0.6                    |
| 10813 | AAE | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 8.31     | ±0.6                    |
| 10814 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 8.31     | ±0.6                    |
| 10815 | AAE | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 8.38     | ±0.6                    |
| 10816 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 8.41     | ±0.6                    |
| 10817 | AAE | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 8.42     | ±0.6                    |
| 10818 | AAE | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 8.42     | ±0.6                    |
| 10819 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30kHz)  | 5G NR FR1 TDD | 8.43     | ±0.6                    |



EX3DV4 - SN.3928

February 22, 2024

| UID   | Rev | Communication System Name                       | Group         | PAR (dB) | Unc <sup>o</sup> k=2 |
|-------|-----|-------------------------------------------------|---------------|----------|----------------------|
| 10829 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.40     | ±0.6                 |
| 10830 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.83     | ±0.6                 |
| 10831 | AAE | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.73     | ±0.6                 |
| 10832 | AAE | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.74     | ±0.6                 |
| 10833 | AAE | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.70     | ±0.6                 |
| 10834 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.75     | ±0.6                 |
| 10835 | AAE | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.70     | ±0.6                 |
| 10836 | AAE | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.60     | ±0.6                 |
| 10837 | AAE | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.68     | ±0.6                 |
| 10838 | AAE | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.70     | ±0.6                 |
| 10839 | AAE | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.67     | ±0.6                 |
| 10840 | AAE | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.71     | ±0.6                 |
| 10841 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 8.40     | ±0.6                 |
| 10842 | AAE | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.39     | ±0.6                 |
| 10843 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.39     | ±0.6                 |
| 10844 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10845 | AAE | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.34     | ±0.6                 |
| 10846 | AAE | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.36     | ±0.6                 |
| 10847 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.37     | ±0.6                 |
| 10848 | AAE | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.35     | ±0.6                 |
| 10849 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.35     | ±0.6                 |
| 10850 | AAE | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10851 | AAE | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.40     | ±0.6                 |
| 10852 | AAE | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10853 | AAE | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10854 | AAE | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10855 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10856 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10857 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10858 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10859 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10860 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10861 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10862 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10863 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10864 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10865 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10866 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10867 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10868 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10869 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10870 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10871 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10872 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10873 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10874 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10875 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10876 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10877 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10878 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10879 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10880 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10881 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10882 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10883 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10884 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10885 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10886 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10887 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10888 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10889 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10890 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10891 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10892 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10893 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10894 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10895 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10896 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10897 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10898 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10899 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10900 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10901 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10902 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10903 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10904 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10905 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10906 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10907 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10908 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10909 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |
| 10910 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±0.6                 |



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February 22, 2024

| UID   | Rev | Communication System Name                           | Group         | PAR (dB) | Unc <sup>o</sup> k = 2 |
|-------|-----|-----------------------------------------------------|---------------|----------|------------------------|
| 10911 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.93     | ±9.6                   |
| 10912 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.94     | ±9.6                   |
| 10913 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.94     | ±9.6                   |
| 10914 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.95     | ±9.6                   |
| 10915 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.93     | ±9.6                   |
| 10916 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.87     | ±9.6                   |
| 10917 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94     | ±9.6                   |
| 10918 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.86     | ±9.6                   |
| 10919 | AAC | 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 | AAC | 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 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10924 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10925 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.95     | ±9.6                   |
| 10926 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10927 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94     | ±9.6                   |
| 10928 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)       | 5G NR FR1 FDD | 5.52     | ±9.6                   |
| 10929 | AAD | 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 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.93     | ±9.6                   |
| 10937 | AAD | 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 | 5.80     | ±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 | 5.88     | ±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 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.51     | ±9.6                   |
| 10945 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.55     | ±9.6                   |
| 10946 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.53     | ±9.6                   |
| 10947 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.57     | ±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 | 8.51     | ±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 | AAE | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 TDD | 9.32     | ±9.6                   |
| 10961 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.35     | ±9.6                   |
| 10962 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.43     | ±9.6                   |
| 10963 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.55     | ±9.6                   |
| 10964 | AAE | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.29     | ±9.6                   |
| 10965 | AAC | 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 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.42     | ±9.6                   |
| 10968 | AAD | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49     | ±9.6                   |
| 10972 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         | 5G NR FR1 TDD | 11.59    | ±9.6                   |
| 10973 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 9.06     | ±9.6                   |
| 10974 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)  | 5G NR FR1 TDD | 10.25    | ±9.6                   |
| 10978 | AAA | ULLA BDR                                            | ULLA          | 1.15     | ±9.6                   |
| 10979 | AAA | ULLA HDR4                                           | ULLA          | 8.58     | ±9.6                   |
| 10980 | AAA | ULLA HDR8                                           | ULLA          | 10.32    | ±9.6                   |
| 10981 | AAA | ULLA HDRp4                                          | ULLA          | 3.19     | ±9.6                   |
| 10982 | AAA | ULLA HDRp8                                          | ULLA          | 3.43     | ±9.6                   |

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February 22, 2024

| UID   | Rev | Communication System Name                          | Group         | PAR (dB) | Unc. F=2 |
|-------|-----|----------------------------------------------------|---------------|----------|----------|
| 10983 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.31     | +9.6     |
| 10984 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.42     | +9.6     |
| 10985 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.54     | +9.6     |
| 10986 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.50     | +9.6     |
| 10987 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.55     | +9.6     |
| 10988 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.35     | +9.6     |
| 10989 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 8.33     | +9.6     |
| 10990 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.32     | +9.6     |
| 11003 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 10.24    | +9.6     |
| 11004 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 10.73    | +9.6     |
| 11005 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.70     | +9.6     |
| 11006 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.55     | +9.6     |
| 11007 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.46     | +9.6     |
| 11008 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.57     | +9.6     |
| 11009 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.75     | +9.6     |
| 11010 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.90     | +9.6     |
| 11011 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.96     | +9.6     |
| 11012 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.86     | +9.6     |
| 11013 | AAB | IEEE 802.11be (320 MHz, MCS1, 89ps duty cycle)     | WLAN          | 8.47     | +9.6     |
| 11014 | AAB | IEEE 802.11be (320 MHz, MCS8, 89ps duty cycle)     | WLAN          | 8.45     | +9.6     |
| 11015 | AAB | IEEE 802.11be (320 MHz, MCS8, 89ps duty cycle)     | WLAN          | 8.44     | +9.6     |
| 11016 | AAB | IEEE 802.11be (320 MHz, MCS4, 89ps duty cycle)     | WLAN          | 8.44     | +9.6     |
| 11017 | AAB | IEEE 802.11be (320 MHz, MCS5, 89ps duty cycle)     | WLAN          | 8.41     | +9.6     |
| 11018 | AAB | IEEE 802.11be (320 MHz, MCS8, 89ps duty cycle)     | WLAN          | 8.40     | +9.6     |
| 11019 | AAB | IEEE 802.11be (320 MHz, MCS7, 89ps duty cycle)     | WLAN          | 8.29     | +9.6     |
| 11020 | AAB | IEEE 802.11be (320 MHz, MCS9, 89ps duty cycle)     | WLAN          | 8.27     | +9.6     |
| 11021 | AAB | IEEE 802.11be (320 MHz, MCS9, 89ps duty cycle)     | WLAN          | 8.40     | +9.6     |
| 11022 | AAB | IEEE 802.11be (320 MHz, MCS10, 89ps duty cycle)    | WLAN          | 8.35     | +9.6     |
| 11023 | AAB | IEEE 802.11be (320 MHz, MCS11, 89ps duty cycle)    | WLAN          | 8.09     | +9.6     |
| 11024 | AAB | IEEE 802.11be (320 MHz, MCS12, 89ps duty cycle)    | WLAN          | 8.43     | +9.6     |
| 11025 | AAB | IEEE 802.11be (320 MHz, MCS13, 89ps duty cycle)    | WLAN          | 8.37     | +9.6     |
| 11026 | AAB | IEEE 802.11be (320 MHz, MCS0, 89ps duty cycle)     | WLAN          | 8.39     | +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.

|                                                                                                                                                                                                         |                                                                           |                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Eurofins KCTL Co.,Ltd.</b><br>65, Sinwon-ro, Yeongtong-gu,<br>Suwon-si, Gyeonggi-do, 16677, Korea<br>TEL: 82-70-5008-1021 FAX: 82-505-299-8311<br><a href="http://www.kctl.co.kr">www.kctl.co.kr</a> | <b>Report No.:</b><br><b>KR25-SPF0015-B</b><br><b>Page (431) of (714)</b> |  <b>KCTL</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|

**Appendix A.3 Probe Calibration certificate (EX3DV4 SN3928) (2025-02-21)**

**Calibration Laboratory of**  
 Schmid & Partner  
 Engineering AG  
 Zeughausstrasse 43, 8004 Zurich, Switzerland




**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)  
 The Swiss Accreditation Service is one of the signatories to the EA  
 Multilateral Agreement for the recognition of calibration certificates

**Accreditation No.: SCS 0108**

**Client**  
 Eurofins KCTL  
 Gyeonggi-do, Republic of Korea

**Certificate No.**  
 EX-3928\_Feb25

**CALIBRATION CERTIFICATE**

**Object**  
 EX3DV4 - SN:3928

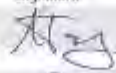
**Calibration procedure(s)**  
 QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,  
 QA CAL-25.v8  
 Calibration procedure for dosimetric E-field probes

**Calibration date**  
 February 21, 2025

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±3)°C and humidity < 70%.  
 Calibration Equipment used (W&IE critical for calibration)

| Primary Standards                   | ID         | Calibration Date (Certificate No.)     | Sched. Cs. |
|-------------------------------------|------------|----------------------------------------|------------|
| Power Sensor R&S NDP-33T            | SN: 100967 | 28-Mar-24 (No. 217-04038)              | Mar-25     |
| Short (S80.19) + Attenuator (S6020) | SN: L1119  | 28-Mar-24 (No. 217-04046)              | Mar-25     |
| QCP DAK-12                          | SN: 1016   | 24-Sept-24 (No. OCP-DAK12-1016_Sep24)  | Sep-25     |
| QCP DAK-3.5                         | SN: 1249   | 23-Sept-24 (No. OCP-DAK3.5-1249_Sep24) | Sep-25     |
| Reference Probe EX3DV4              | SN: 3949   | 10-Jan-25 (No. EX3-7349_Jan25)         | Jan-26     |
| DAE4                                | SN: 1301   | 07-Nov-24 (No. DAE4-1301_Nov24)        | Nov-25     |

| Secondary Standards       | ID       | Check Date (in House)                            | Sched. Check |
|---------------------------|----------|--------------------------------------------------|--------------|
| ACAP 2020 Calibration Box | SN L1404 | 30-Sept-24 (No. Report ACAP2020E-Cave_20240930s) | Sep-25       |

|               | Name              | Function              | Signature                                                                             |
|---------------|-------------------|-----------------------|---------------------------------------------------------------------------------------|
| Calibrated by | Aldona Georgiadou | Laboratory Technician |  |
| Approved by   | Sven Külin        | Technical Manager     |  |

Issued: February 21, 2025  
 This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



#### Calibration Laboratory of

Schmid & Partner  
Engineering AG

Zeiglhurststrasse 43, 8004 Zürich, Switzerland



S Schweizerischer Kalibrierdienst  
C Service suisse d'étalonnage  
S Servizio svizzero di taratura  
S Swiss Calibration Service

Approved by the Swiss Accreditation Service (SAS):  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

#### 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 $\psi$    | $\psi$ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e. $\psi = 0$ 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 885684, "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  $f = 0$  ( $f < 800$  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<sub>avg,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. DCP does not depend on frequency nor media.
- HAR: 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>; G<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 fat phantom using E-field for Temperature Transfer Standard for  $f < 800$  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).

EX3DV4 - SN:3928

February 21, 2025

### Parameters of Probe: EX3DV4 - SN:3928

#### Basic Calibration Parameters

|                                                     | Sensor X | Sensor Y | Sensor Z | Unc (k = 2) |
|-----------------------------------------------------|----------|----------|----------|-------------|
| Norm. ( $\mu\text{V}/(\text{V/m})^2$ ) <sup>A</sup> | 0.49     | 0.23     | 0.53     | +10.1%      |
| DCP (mV) <sup>B</sup>                               | 99.2     | 96.1     | 100.1    | ±4.7%       |

#### Calibration Results for Modulation Response

| UID   | Communication System Name   |   | A<br>dB | B<br>dB $\sqrt{\mu\text{V}}$ | 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    | 122.1    | ±0.4%       | ±4.7%                            |
|       |                             | Y | 0.00    | 0.00                         | 1.00  |         | 121.5    |             |                                  |
|       |                             | Z | 0.00    | 0.00                         | 1.00  |         | 125.7    |             |                                  |
| 10352 | Pulse Waveform (200Hz, 10%) | X | 20.00   | 93.89                        | 22.36 | 10.00   | 60.0     | ±2.5%       | ±9.6%                            |
|       |                             | Y | 20.00   | 96.56                        | 24.08 |         | 60.0     |             |                                  |
|       |                             | Z | 20.00   | 94.72                        | 22.76 |         | 60.0     |             |                                  |
| 10353 | Pulse Waveform (200Hz, 20%) | X | 20.00   | 96.81                        | 22.69 | -6.99   | 80.0     | ±1.3%       | ±9.6%                            |
|       |                             | Y | 20.00   | 99.98                        | 24.61 |         | 80.0     |             |                                  |
|       |                             | Z | 20.00   | 97.53                        | 23.09 |         | 80.0     |             |                                  |
| 10354 | Pulse Waveform (200Hz, 40%) | X | 20.00   | 102.20                       | 23.84 | 3.98    | 95.0     | +0.8%       | ±9.6%                            |
|       |                             | Y | 20.00   | 106.59                       | 26.29 |         | 95.0     |             |                                  |
|       |                             | Z | 20.00   | 102.06                       | 23.83 |         | 95.0     |             |                                  |
| 10355 | Pulse Waveform (200Hz, 60%) | X | 20.00   | 103.14                       | 22.97 | 2.22    | 120.0    | ±0.8%       | ±9.6%                            |
|       |                             | Y | 20.00   | 114.20                       | 28.37 |         | 120.0    |             |                                  |
|       |                             | Z | 20.00   | 105.61                       | 24.06 |         | 120.0    |             |                                  |
| 10387 | QPSK Waveform, 1 MHz        | X | 1.68    | 65.16                        | 14.44 | 1.00    | 150.0    | ±2.1%       | ±9.6%                            |
|       |                             | Y | 1.84    | 65.62                        | 15.12 |         | 150.0    |             |                                  |
|       |                             | Z | 1.54    | 64.15                        | 13.71 |         | 150.0    |             |                                  |
| 10388 | QPSK Waveform, 10 MHz       | X | 2.20    | 67.11                        | 15.13 | 0.00    | 150.0    | +1.0%       | ±9.6%                            |
|       |                             | Y | 2.42    | 68.06                        | 15.76 |         | 150.0    |             |                                  |
|       |                             | Z | 2.02    | 65.63                        | 14.41 |         | 150.0    |             |                                  |
| 10396 | 64-QAM Waveform, 100 kHz    | X | 2.65    | 67.62                        | 17.44 | 3.01    | 150.0    | ±1.1%       | ±9.6%                            |
|       |                             | Y | 2.41    | 66.46                        | 17.11 |         | 150.0    |             |                                  |
|       |                             | Z | 2.74    | 68.33                        | 17.65 |         | 150.0    |             |                                  |
| 10399 | 64-QAM Waveform, 40 MHz     | X | 3.36    | 66.11                        | 15.18 | 0.00    | 150.0    | ±1.3%       | ±9.6%                            |
|       |                             | Y | 3.55    | 66.58                        | 15.58 |         | 150.0    |             |                                  |
|       |                             | Z | 3.40    | 66.21                        | 15.16 |         | 150.0    |             |                                  |
| 10414 | WLAN CCDF, 64-QAM, 40 MHz   | X | 4.80    | 65.07                        | 15.17 | 0.00    | 150.0    | ±2.3%       | ±9.6%                            |
|       |                             | Y | 4.99    | 65.28                        | 15.42 |         | 150.0    |             |                                  |
|       |                             | Z | 4.84    | 65.29                        | 15.25 |         | 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<sup>2</sup>-field uncertainty inside TSL (see Page 5).

<sup>B</sup> Linearization parameter uncertainty for maximum specified field strength.

<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.

EX3DV4 - SN:3928

February 21, 2025

**Parameters of Probe: EX3DV4 - SN:3928**

**Sensor Model Parameters**

|   | C1<br>fF | C2<br>fF | $\alpha$<br>V <sup>-1</sup> | T1<br>ms V <sup>-2</sup> | T2<br>ms V <sup>-1</sup> | T3<br>ms | T4<br>V <sup>-2</sup> | T5<br>V <sup>-1</sup> | T6   |
|---|----------|----------|-----------------------------|--------------------------|--------------------------|----------|-----------------------|-----------------------|------|
| x | 48.8     | 366.25   | 35.57                       | 13.72                    | 0.21                     | 5.57     | 0.12                  | 0.42                  | 1.01 |
| y | 56.9     | 451.96   | 37.20                       | 14.03                    | 0.30                     | 5.58     | 0.00                  | 0.36                  | 1.01 |
| z | 46.3     | 348.30   | 35.82                       | 13.86                    | 0.13                     | 5.10     | 0.59                  | 0.37                  | 1.01 |

**Other Probe Parameters**

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement                            | Triangular |
| Connector Angle                               | 69.2°      |
| 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 up to 4 mm from above settings.



EX3DV4 - SN:3928

February 21, 2025

### Parameters of Probe: EX3DV4 - SN:3928

#### Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>F</sup> | Conductivity <sup>F</sup> (S/m) | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup> (mm) | Unc <sup>H</sup> (k = 2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|--------------------------|
| 6                    | 55.0                               | 0.75                            | 16.46   | 18.02   | 19.34   | 0.00               | 1.25                    | ±13.3%                   |
| 13                   | 55.0                               | 0.75                            | 14.86   | 16.27   | 17.46   | 0.00               | 1.25                    | ±13.3%                   |
| 750                  | 41.9                               | 0.89                            | 9.13    | 8.77    | 10.08   | 0.37               | 1.27                    | ±11.0%                   |
| 850                  | 41.5                               | 0.92                            | 8.64    | 8.30    | 9.54    | 0.37               | 1.27                    | ±11.0%                   |
| 900                  | 41.5                               | 0.97                            | 8.44    | 8.10    | 9.32    | 0.37               | 1.27                    | ±11.0%                   |
| 1750                 | 40.1                               | 1.37                            | 7.67    | 7.37    | 8.47    | 0.36               | 1.27                    | ±11.0%                   |
| 1900                 | 40.0                               | 1.40                            | 7.38    | 7.09    | 8.15    | 0.35               | 1.27                    | ±11.0%                   |
| 2300                 | 39.5                               | 1.67                            | 7.23    | 6.94    | 7.98    | 0.35               | 1.27                    | ±11.0%                   |
| 2450                 | 39.2                               | 1.80                            | 6.95    | 6.67    | 7.67    | 0.35               | 1.27                    | ±11.0%                   |
| 2600                 | 39.0                               | 1.96                            | 6.96    | 6.68    | 7.69    | 0.35               | 1.27                    | ±11.0%                   |
| 5250                 | 35.9                               | 4.71                            | 5.37    | 5.15    | 5.93    | 0.31               | 1.27                    | ±13.1%                   |
| 5600                 | 35.5                               | 5.07                            | 4.99    | 4.79    | 5.51    | 0.28               | 1.27                    | ±13.1%                   |
| 5800                 | 35.3                               | 5.27                            | 5.01    | 4.81    | 5.53    | 0.26               | 1.27                    | ±13.1%                   |

<sup>C</sup> Frequency validity above 300 MHz of ±100 MHz only applies for DASy v4.4 and higher (see Page 2), also 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.

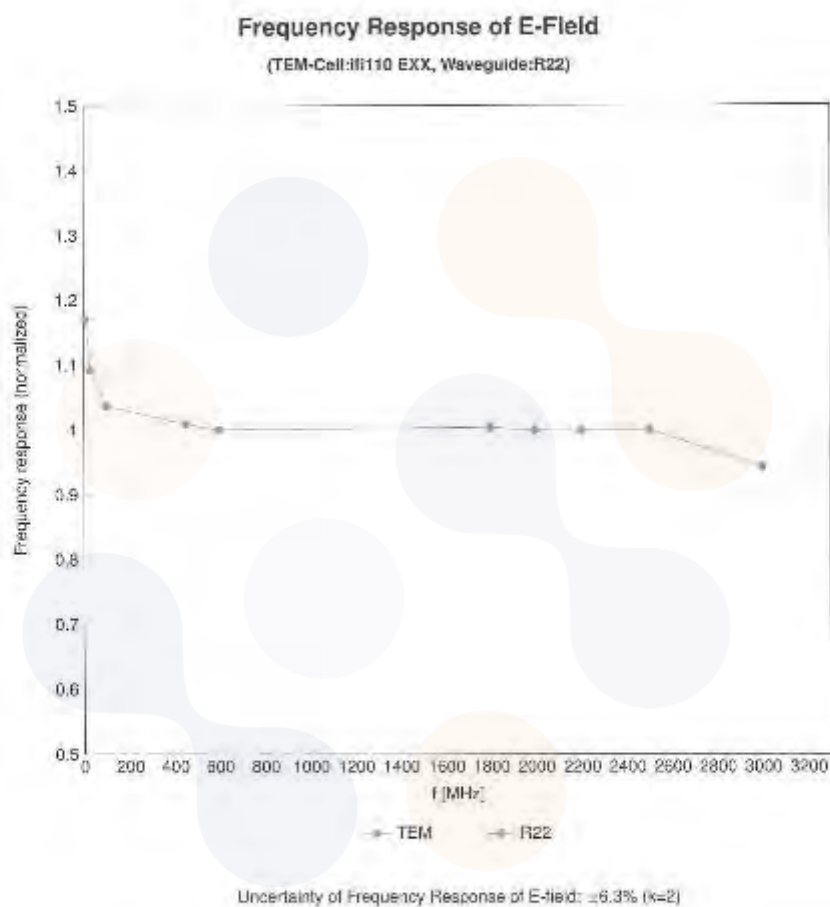
<sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon'$  and  $\sigma$  by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

<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.

<sup>H</sup> The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

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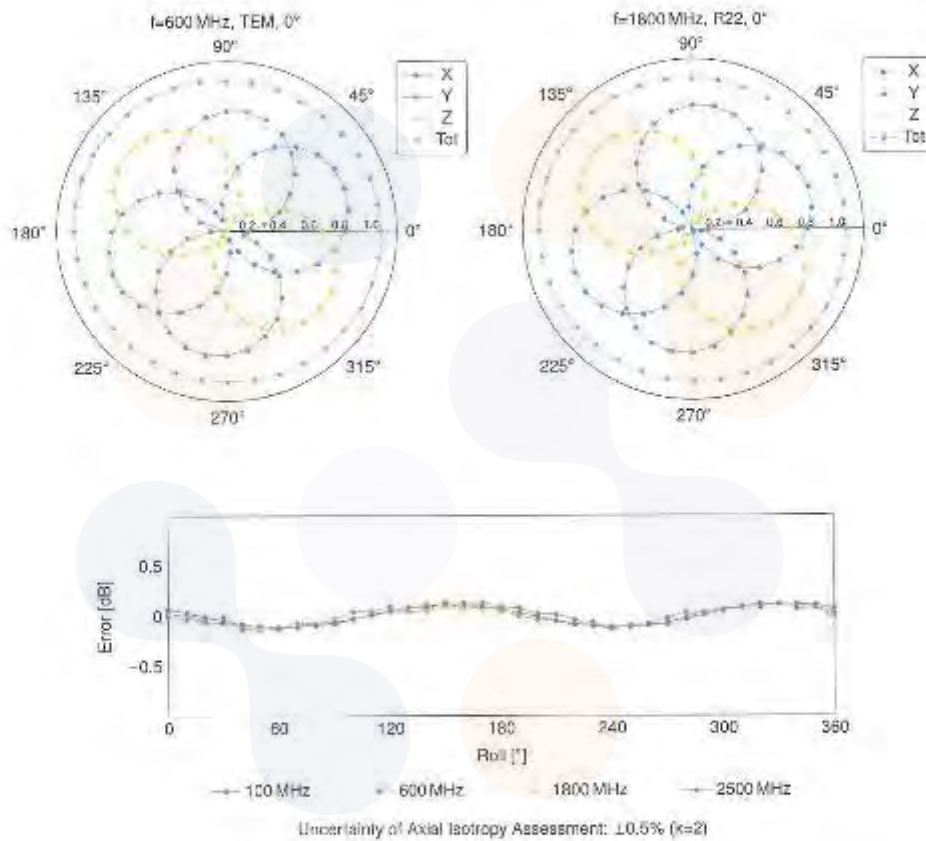
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**Receiving Pattern ( $\phi$ ),  $\theta = 0^\circ$**



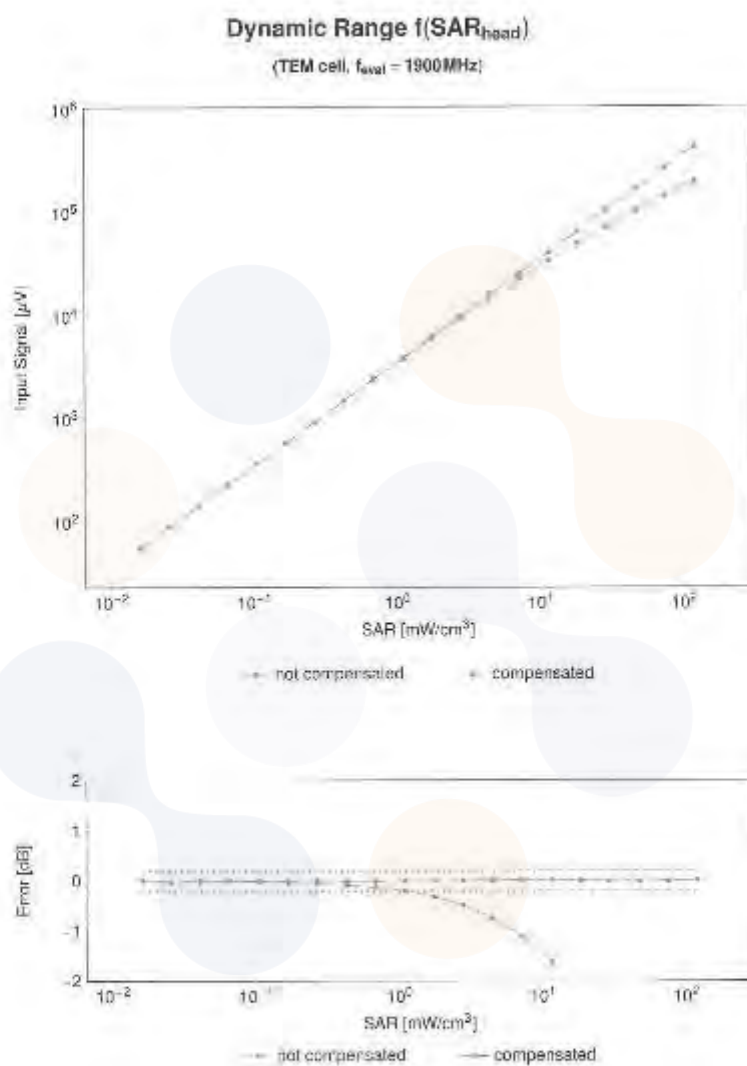
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Uncertainty of Linearity Assessment: ±0.6% (k=2)

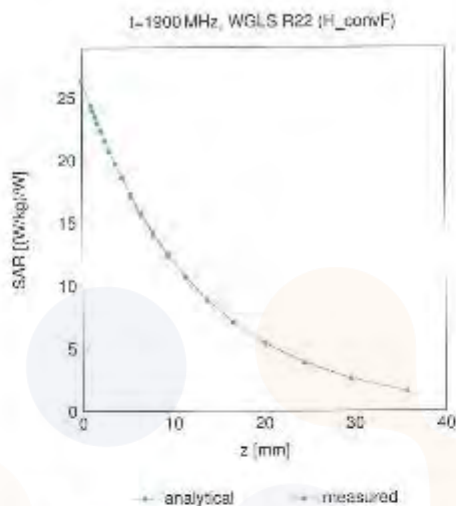
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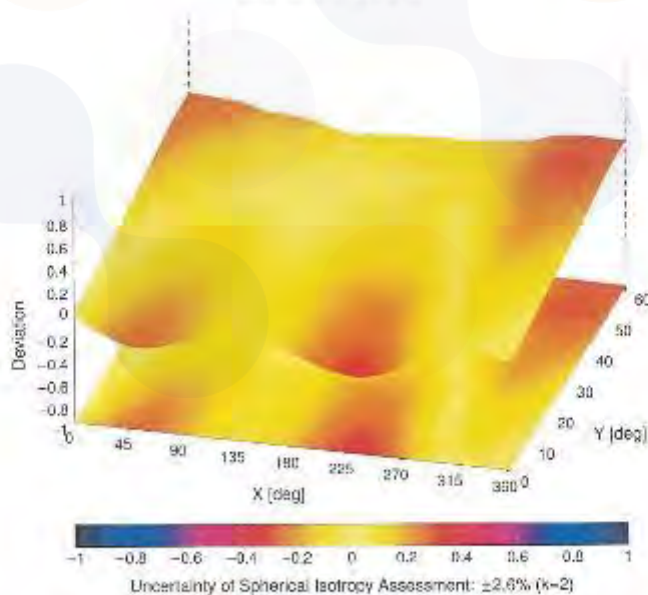
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### Conversion Factor Assessment



### Deviation from Isotropy in Liquid

Error ( $\phi, \theta$ ), 1-900 MHz



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### Appendix: Modulation Calibration Parameters

| UID   | Rev | Communication System Name                         | Group     | PAR (dB) | Unc <sup>a</sup> k = 2 |
|-------|-----|---------------------------------------------------|-----------|----------|------------------------|
| 0     |     | CW                                                | CW        | 0.00     | ±4.7                   |
| 10010 | CAB | SAR Validation (Square, 100ms, 10 ms)             | Test      | 10.00    | ±9.6                   |
| 10011 | CAC | UMTS-FDD (WCDMA)                                  | WCDMA     | 2.91     | ±9.6                   |
| 10012 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)          | WLAN      | 1.97     | ±9.6                   |
| 10013 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)     | WLAN      | 9.48     | ±9.6                   |
| 10021 | DAC | GSM FDD (TDMA, GMSK)                              | GSM       | 9.39     | ±9.6                   |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 3)                       | GSM       | 8.57     | ±9.6                   |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 3-1)                     | GSM       | 6.58     | ±9.6                   |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 3)                       | GSM       | 12.62    | ±9.8                   |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 3-1)                     | GSM       | 9.55     | ±9.6                   |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 3-2)                     | GSM       | 4.80     | ±9.6                   |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 3-1-2-3)                 | GSM       | 3.55     | ±9.6                   |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 3-1-2)                   | 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 (PI4-DQPSK, DH1)          | Bluetooth | 7.74     | ±9.6                   |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI4-DQPSK, DH3)          | Bluetooth | 4.53     | ±9.6                   |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (PI4-DQPSK, DH5)          | Bluetooth | 3.83     | ±9.6                   |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-PSK, DH1)              | Bluetooth | 8.01     | ±9.6                   |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-PSK, DH3)              | Bluetooth | 4.77     | ±9.6                   |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (8-PSK, DH5)              | Bluetooth | 4.10     | ±9.6                   |
| 10039 | CAB | CDMA2000 (1xRTT, F1)                              | CDMA2000  | 4.57     | ±9.6                   |
| 10042 | CAB | IS-64/IS-136 FDD (TDMA/FDD, PI4-DQPSK, Half-rate) | AMPS      | 7.78     | ±9.6                   |
| 10044 | CAA | IS-64/IS-136 FDD (TDMA/FDD, FM)                   | AMPS      | 9.00     | ±9.6                   |
| 10048 | CAA | DECT (TDD, TDMA/FDD, GFSK, Full Slot, 24)         | DECT      | 13.80    | ±9.6                   |
| 10049 | CAA | DECT (TDD, TDMA/FDD, GFSK, Double Slot, 12)       | DECT      | 10.78    | ±9.6                   |
| 10050 | CAA | UMTS-FDD (TD-SCDMA, 1.28 Mbps)                    | TD-SCDMA  | 11.01    | ±9.6                   |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 3-1-2-3)                 | 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      | 2.93     | ±9.6                   |
| 10061 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)         | WLAN      | 3.60     | ±9.6                   |
| 10062 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps)          | WLAN      | 8.88     | ±9.6                   |
| 10063 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps)          | WLAN      | 8.63     | ±9.6                   |
| 10064 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps)         | WLAN      | 9.09     | ±9.6                   |
| 10065 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps)         | WLAN      | 9.00     | ±9.6                   |
| 10066 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps)         | WLAN      | 9.20     | ±9.6                   |
| 10067 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps)         | WLAN      | 10.12    | ±9.6                   |
| 10068 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps)         | WLAN      | 10.24    | ±9.6                   |
| 10069 | CAE | IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps)         | WLAN      | 10.56    | ±9.6                   |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 8 Mbps)     | WLAN      | 9.53     | ±9.6                   |
| 10072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)    | WLAN      | 9.82     | ±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, FCS)                             | CDMA2000  | 3.97     | ±9.6                   |
| 10082 | CAB | IS-64/IS-136 FDD (TDMA/FDD, PI4-DQPSK, Full-rate) | AMPS      | 4.77     | ±9.6                   |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 3-4)                     | GSM       | 5.56     | ±9.6                   |
| 10097 | CAC | UMTS-FDD (HSDPA)                                  | WCDMA     | 3.90     | ±9.6                   |
| 10098 | CAC | UMTS-FDD (HSUPA, Subtest 2)                       | WCDMA     | 3.98     | ±9.6                   |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 3-4)                     | GSM       | 9.52     | ±9.6                   |
| 10100 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)          | LTE-FDD   | 5.57     | ±9.6                   |
| 10101 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)        | LTE-FDD   | 8.42     | ±9.6                   |
| 10102 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)        | LTE-FDD   | 6.80     | ±9.6                   |
| 10103 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)          | LTE-TDD   | 5.29     | ±9.6                   |
| 10104 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)        | LTE-TDD   | 5.97     | ±9.6                   |
| 10105 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)        | LTE-TDD   | 10.01    | ±9.6                   |
| 10106 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)          | LTE-FDD   | 5.00     | ±9.6                   |
| 10106 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)        | LTE-FDD   | 5.43     | ±9.6                   |
| 10110 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)           | LTE-FDD   | 5.70     | ±9.6                   |
| 10111 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)         | LTE-FDD   | 8.44     | ±9.6                   |

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| UID   | Rev | Communication System Name                      | Group   | PAR (dB) | Unc <sup>F</sup> k = 2 |
|-------|-----|------------------------------------------------|---------|----------|------------------------|
| 10112 | CAH | LTE FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)     | LTE-FDD | 6.56     | ±9.6                   |
| 10113 | CAH | LTE FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)      | LTE-FDD | 6.62     | ±9.6                   |
| 10114 | CAF | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)  | WLAN    | 8.10     | ±9.6                   |
| 10115 | CAE | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)  | WLAN    | 8.46     | ±9.6                   |
| 10116 | CAE | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN    | 8.15     | ±9.6                   |
| 10117 | CAF | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)       | WLAN    | 8.07     | ±9.6                   |
| 10118 | CAE | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)       | WLAN    | 8.59     | ±9.6                   |
| 10119 | CAF | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)      | WLAN    | 8.13     | ±9.6                   |
| 10140 | CAF | LTE FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)     | LTE-FDD | 6.49     | ±9.6                   |
| 10141 | CAF | LTE FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)     | LTE-FDD | 6.53     | ±9.6                   |
| 10142 | CAF | LTE FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)        | LTE-FDD | 5.73     | ±9.6                   |
| 10143 | CAF | LTE FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)      | LTE-FDD | 6.35     | ±9.6                   |
| 10144 | CAF | LTE FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)      | LTE-FDD | 6.65     | ±9.6                   |
| 10145 | CAG | LTE FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)      | LTE-FDD | 5.76     | ±9.6                   |
| 10146 | CAG | LTE FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)    | LTE-FDD | 6.41     | ±9.6                   |
| 10147 | CAG | LTE FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)    | LTE-FDD | 6.72     | ±9.6                   |
| 10148 | CAF | LTE FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)      | LTE-FDD | 6.42     | ±9.6                   |
| 10150 | CAF | LTE FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)      | LTE-FDD | 6.60     | ±9.6                   |
| 10151 | CAH | LTE TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)        | LTE-TDD | 9.28     | ±9.6                   |
| 10152 | CAH | LTE TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)      | LTE-TDD | 9.92     | ±9.6                   |
| 10153 | CAH | LTE TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)      | LTE-TDD | 10.08    | ±9.6                   |
| 10154 | CAH | LTE FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)        | LTE-FDD | 5.75     | ±9.6                   |
| 10155 | CAH | LTE FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)      | LTE-FDD | 6.43     | ±9.6                   |
| 10156 | CAH | LTE FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         | LTE-FDD | 5.79     | ±9.6                   |
| 10157 | CAH | LTE FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)       | LTE-FDD | 6.49     | ±9.6                   |
| 10158 | CAH | LTE FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)      | LTE-FDD | 6.62     | ±9.6                   |
| 10159 | CAH | LTE+UU (SC-FDMA, 50% RB, 5 MHz, 64-QAM)        | LTE-FDD | 6.56     | ±9.6                   |
| 10160 | CAF | LTE FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)        | LTE-FDD | 6.82     | ±9.6                   |
| 10161 | CAF | LTE FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)      | LTE-FDD | 6.43     | ±9.6                   |
| 10162 | CAF | LTE FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)      | LTE-FDD | 6.58     | ±9.6                   |
| 10166 | CAG | LTE FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)       | LTE-FDD | 6.46     | ±9.6                   |
| 10167 | CAG | LTE FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)     | LTE-FDD | 6.21     | ±9.6                   |
| 10168 | CAG | LTE FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)     | LTE-FDD | 6.79     | ±9.6                   |
| 10169 | CAF | LTE FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)          | LTE-FDD | 5.73     | ±9.6                   |
| 10170 | CAF | LTE FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)        | LTE-FDD | 6.52     | ±9.6                   |
| 10171 | AAF | LTE FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)        | LTE-FDD | 6.49     | ±9.6                   |
| 10172 | CAH | LTE TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)          | LTE-TDD | 9.21     | ±9.6                   |
| 10173 | CAH | LTE TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)        | LTE-TDD | 9.48     | ±9.6                   |
| 10174 | CAH | LTE TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)        | LTE-TDD | 10.25    | ±9.6                   |
| 10175 | CAH | LTE FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)          | LTE-FDD | 5.72     | ±9.6                   |
| 10176 | CAH | LTE FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)        | LTE-FDD | 6.52     | ±9.6                   |
| 10177 | CAJ | LTE FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)           | LTE-FDD | 5.73     | ±9.6                   |
| 10178 | CAH | LTE FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         | LTE-FDD | 6.52     | ±9.6                   |
| 10179 | CAH | LTE FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)        | LTE-FDD | 6.50     | ±9.6                   |
| 10180 | CAH | LTE FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         | LTE-FDD | 6.50     | ±9.6                   |
| 10181 | CAF | LTE FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)          | LTE-FDD | 5.72     | ±9.6                   |
| 10182 | CAF | LTE FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)        | LTE-FDD | 6.52     | ±9.6                   |
| 10183 | AAE | LTE FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)        | LTE-FDD | 6.50     | ±9.6                   |
| 10184 | CAF | LTE FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)           | LTE-FDD | 5.73     | ±9.6                   |
| 10185 | CAF | LTE FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         | LTE-FDD | 5.51     | ±9.6                   |
| 10186 | AAF | LTE FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         | LTE-FDD | 5.50     | ±9.6                   |
| 10187 | CAG | LTE FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         | LTE-FDD | 5.73     | ±9.6                   |
| 10188 | CAG | LTE FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)       | LTE-FDD | 5.62     | ±9.6                   |
| 10189 | AAQ | LTE FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)       | LTE-FDD | 6.50     | ±9.6                   |
| 10193 | CAE | IEEE 802.11n (HT Greenfield, 5.5 Mbps, BPSK)   | WLAN    | 8.09     | ±9.6                   |
| 10194 | CAE | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)  | WLAN    | 8.12     | ±9.6                   |
| 10195 | CAE | IEEE 802.11n (HT Greenfield, 85 Mbps, 64-QAM)  | WLAN    | 8.21     | ±9.6                   |
| 10196 | CAE | IEEE 802.11n (HT Mixed, 5.5 Mbps, BPSK)        | WLAN    | 8.10     | ±9.6                   |
| 10197 | CAE | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)       | WLAN    | 8.13     | ±9.6                   |
| 10198 | CAE | IEEE 802.11n (HT Mixed, 85 Mbps, 64-QAM)       | WLAN    | 8.27     | ±9.6                   |
| 10219 | CAE | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)        | WLAN    | 8.03     | ±9.6                   |
| 10220 | CAL | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)     | WLAN    | 8.13     | ±9.6                   |
| 10221 | CAF | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)     | WLAN    | 8.27     | ±9.6                   |
| 10222 | CAL | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)         | WLAN    | 8.06     | ±9.6                   |
| 10223 | CAF | IEEE 802.11n (HT Mixed, 80 Mbps, 16-QAM)       | WLAN    | 8.48     | ±9.6                   |
| 10224 | CAE | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)      | WLAN    | 8.08     | ±9.6                   |

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| UID   | Rev | Communication System Name                                          | Group    | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|--------------------------------------------------------------------|----------|----------|------------------------|
| 10225 | CAC | UMTS-FDD (HSPA+)                                                   | WCDMA    | 5.97     | ±9.6                   |
| 10226 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)                           | LTE-TDD  | 9.49     | ±9.6                   |
| 10227 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)                           | LTE-TDD  | 10.28    | ±9.6                   |
| 10228 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)                             | LTE-TDD  | 9.22     | ±9.6                   |
| 10229 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)                             | LTE-TDD  | 9.40     | ±9.6                   |
| 10230 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)                             | LTE-TDD  | 10.25    | ±9.6                   |
| 10231 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)                               | LTE-TDD  | 9.19     | ±9.6                   |
| 10232 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)                             | LTE-TDD  | 9.40     | ±9.6                   |
| 10233 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)                             | LTE-TDD  | 10.25    | ±9.6                   |
| 10234 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)                               | LTE-TDD  | 9.21     | ±9.6                   |
| 10235 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)                            | LTE-TDD  | 9.48     | ±9.6                   |
| 10236 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)                            | LTE-TDD  | 10.25    | ±9.6                   |
| 10237 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)                              | LTE-TDD  | 9.21     | ±9.6                   |
| 10238 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)                            | LTE-TDD  | 9.45     | ±9.6                   |
| 10239 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)                            | LTE-TDD  | 10.25    | ±9.6                   |
| 10240 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)                              | LTE-TDD  | 9.21     | ±9.6                   |
| 10241 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)                         | LTE-TDD  | 9.82     | ±9.6                   |
| 10242 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)                         | LTE-TDD  | 9.85     | ±9.6                   |
| 10243 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)                           | LTE-TDD  | 9.48     | ±9.6                   |
| 10244 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                           | LTE-TDD  | 10.06    | ±9.6                   |
| 10245 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                           | LTE-TDD  | 10.06    | ±9.6                   |
| 10246 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                             | LTE-TDD  | 9.30     | ±9.6                   |
| 10247 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)                           | LTE-TDD  | 9.91     | ±9.6                   |
| 10248 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)                           | LTE-TDD  | 10.09    | ±9.6                   |
| 10249 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)                             | LTE-TDD  | 9.29     | ±9.6                   |
| 10250 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)                          | LTE-TDD  | 9.81     | ±9.6                   |
| 10251 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)                          | LTE-TDD  | 10.17    | ±9.6                   |
| 10252 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)                            | LTE-TDD  | 9.24     | ±9.6                   |
| 10253 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)                          | LTE-TDD  | 9.90     | ±9.6                   |
| 10254 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)                          | LTE-TDD  | 10.14    | ±9.6                   |
| 10255 | CAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)                            | LTE-TDD  | 9.20     | ±9.6                   |
| 10256 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)                        | LTE-TDD  | 9.86     | ±9.6                   |
| 10257 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)                        | LTE-TDD  | 10.08    | ±9.6                   |
| 10258 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)                          | LTE-TDD  | 9.34     | ±9.6                   |
| 10259 | CAL | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)                          | LTE-TDD  | 9.98     | ±9.6                   |
| 10260 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)                          | LTE-TDD  | 9.97     | ±9.6                   |
| 10261 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)                            | LTE-TDD  | 9.24     | ±9.6                   |
| 10262 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)                          | LTE-TDD  | 9.83     | ±9.6                   |
| 10263 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)                          | LTE-TDD  | 10.16    | ±9.6                   |
| 10264 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)                            | LTE-TDD  | 9.23     | ±9.6                   |
| 10265 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)                         | LTE-TDD  | 9.82     | ±9.6                   |
| 10266 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)                         | LTE-TDD  | 10.07    | ±9.6                   |
| 10267 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)                           | LTE-TDD  | 9.30     | ±9.6                   |
| 10268 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)                         | LTE-TDD  | 10.08    | ±9.6                   |
| 10269 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)                         | LTE-TDD  | 10.13    | ±9.6                   |
| 10270 | CAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                           | LTE-TDD  | 9.98     | ±9.6                   |
| 10274 | CAC | UMTS-FDD (HSPA, Subtype: 5, 3GPP Rel. 4)                           | WCDMA    | 4.87     | ±9.6                   |
| 10275 | CAC | UMTS-FDD (HSPA, Subtype: 5, 3GPP Rel. 4)                           | WCDMA    | 3.96     | ±9.6                   |
| 10277 | CAA | PHS (QPSK)                                                         | PHS      | 11.81    | ±9.6                   |
| 10278 | CAA | PHS (QPSK, BW 884MHz, Roll-off 0.5)                                | PHS      | 11.81    | ±9.6                   |
| 10279 | CAA | PHS (QPSK, BW 884MHz, Roll-off 0.38)                               | PHS      | 12.18    | ±9.6                   |
| 10280 | AAB | CDMA2000, RC1, SC65, Full Rate                                     | CDMA2000 | 3.91     | ±9.6                   |
| 10281 | AAB | CDMA2000, RC3, SC65, Full Rate                                     | CDMA2000 | 3.46     | ±9.6                   |
| 10282 | AAB | CDMA2000, RC3, SC62, Full Rate                                     | CDMA2000 | 3.39     | ±9.6                   |
| 10283 | AAB | CDMA2000, RC3, SC6, Full Rate                                      | CDMA2000 | 3.50     | ±9.6                   |
| 10285 | AAB | CDMA2000, RC1, SC3, 1/8th Rate 25.1k                               | CDMA2000 | 12.49    | ±9.6                   |
| 10287 | AAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                            | LTE-FDD  | 6.81     | ±9.6                   |
| 10288 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                             | LTE-FDD  | 6.72     | ±9.6                   |
| 10289 | AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                           | LTE-FDD  | 6.33     | ±9.6                   |
| 10300 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                           | LTE-FDD  | 6.60     | ±9.6                   |
| 10301 | AAA | IEEE 802.15e WIMAX (29:18, 5ms, 10 MHz, QPSK, PUSC)                | WIMAX    | 12.03    | ±9.6                   |
| 10302 | AAA | IEEE 802.15e WIMAX (29:18, 5ms, 10 MHz, QPSK, PUSC, 3 QTR symbols) | WIMAX    | 12.57    | ±9.6                   |
| 10303 | AAA | IEEE 802.15e WIMAX (31:15, 5ms, 10 MHz, 64QAM, PUSC)               | WIMAX    | 12.62    | ±9.6                   |
| 10304 | AAA | IEEE 802.15e WIMAX (29:18, 5ms, 10 MHz, 64QAM, PUSC)               | WIMAX    | 11.88    | ±9.6                   |
| 10305 | AAA | IEEE 802.15e WIMAX (31:15, 10ms, 10 MHz, 64QAM, PUSC, 15 symbols)  | WIMAX    | 15.24    | ±9.6                   |
| 10306 | AAA | IEEE 802.15c WIMAX (29:18, 10ms, 10 MHz, 64QAM, PUSC, 18 symbols)  | WIMAX    | 14.67    | ±9.6                   |



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| UID   | Rev | Communication System Name                                                      | Group    | PAR (dB) | Unc <sup>5</sup> k = 2 |
|-------|-----|--------------------------------------------------------------------------------|----------|----------|------------------------|
| 10307 | AAA | IEEE 802.16e WMAN (20.15, 10 ms, 10 MHz, QPSK, PUSC, 15 symbols)               | WiMAX    | 14.45    | ±0.6                   |
| 10308 | AAA | IEEE 802.16e WMAN (20.15, 10 ms, 10 MHz, 16QAM, PUSC)                          | WiMAX    | 14.45    | ±0.6                   |
| 10309 | AAA | IEEE 802.16e WMAN (20.15, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)           | WiMAX    | 14.58    | ±0.6                   |
| 10310 | AAA | IEEE 802.16e WMAN (20.15, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)            | WiMAX    | 14.57    | ±0.6                   |
| 10311 | AAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                                       | LTE-FDD  | 5.06     | ±0.6                   |
| 10313 | AAA | IDEN 1.3                                                                       | IDEN     | 10.51    | ±0.6                   |
| 10314 | AAA | IDEN 1.6                                                                       | IDEN     | 13.40    | ±0.6                   |
| 10315 | AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)                      | WLAN     | 1.71     | ±0.6                   |
| 10316 | AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)                  | WLAN     | 6.56     | ±0.6                   |
| 10317 | AAE | IEEE 802.11g WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)                        | WLAN     | 9.36     | ±0.6                   |
| 10352 | AAA | Pulse Waveform (200Hz, 10%)                                                    | Generic  | 10.00    | ±0.6                   |
| 10353 | AAA | Pulse Waveform (200Hz, 20%)                                                    | Generic  | 6.59     | ±0.6                   |
| 10354 | AAA | Pulse Waveform (200Hz, 40%)                                                    | Generic  | 3.86     | ±0.6                   |
| 10355 | AAA | Pulse Waveform (200Hz, 60%)                                                    | Generic  | 2.22     | ±0.6                   |
| 10356 | AAA | Pulse Waveform (200Hz, 80%)                                                    | Generic  | 0.97     | ±0.6                   |
| 10387 | AAA | QPSK Waveform, 1 MHz                                                           | Generic  | 5.10     | ±0.6                   |
| 10388 | AAA | QPSK Waveform, 10 MHz                                                          | Generic  | 5.22     | ±0.6                   |
| 10398 | AAA | 64-QAM Waveform, 100 kHz                                                       | Generic  | 6.27     | ±0.6                   |
| 10399 | AAA | 64-QAM Waveform, 40 MHz                                                        | Generic  | 6.27     | ±0.6                   |
| 10400 | AAF | IEEE 802.11ac WiFi (20 MHz, 64-QAM, 96pc duty cycle)                           | WLAN     | 8.37     | ±0.6                   |
| 10401 | AAF | IEEE 802.11ac WiFi (40 MHz, 64-QAM, 96pc duty cycle)                           | WLAN     | 8.60     | ±0.6                   |
| 10402 | AAF | IEEE 802.11ac WiFi (80 MHz, 64-QAM, 96pc duty cycle)                           | WLAN     | 8.53     | ±0.6                   |
| 10403 | AAB | CDMA2000 (1xEV-DO, Rev. 0)                                                     | CDMA2000 | 3.76     | ±0.6                   |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A)                                                     | CDMA2000 | 3.77     | ±0.6                   |
| 10406 | AAB | CDMA2000 (RC3, SC32, SCH), Full Rate                                           | CDMA2000 | 5.22     | ±0.6                   |
| 10410 | AAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Cont.) | LTE-TDD  | 7.82     | ±0.6                   |
| 10414 | AAA | WLAN CDD, 64-QAM, 40 MHz                                                       | Generic  | 6.54     | ±0.6                   |
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)                      | WLAN     | 1.54     | ±0.6                   |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)                  | WLAN     | 6.23     | ±0.6                   |
| 10417 | AAU | IEEE 802.11g WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)                        | WLAN     | 8.23     | ±0.6                   |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 96pc duty cycle, Long preamble)  | WLAN     | 8.14     | ±0.6                   |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 96pc duty cycle, Short preamble) | WLAN     | 6.18     | ±0.6                   |
| 10422 | AAU | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)                                   | WLAN     | 8.32     | ±0.6                   |
| 10423 | AAU | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)                                | WLAN     | 8.47     | ±0.6                   |
| 10424 | AAU | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)                                | WLAN     | 8.40     | ±0.6                   |
| 10425 | AAU | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                                    | WLAN     | 8.41     | ±0.6                   |
| 10426 | AAU | IEEE 802.11n (HT Greenfield, 80 Mbps, 16-QAM)                                  | WLAN     | 8.45     | ±0.6                   |
| 10427 | AAU | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)                                 | WLAN     | 8.41     | ±0.6                   |
| 10430 | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                                               | LTE-FDD  | 6.28     | ±0.6                   |
| 10431 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                                              | LTE-FDD  | 6.39     | ±0.6                   |
| 10432 | AAU | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                                              | LTE-FDD  | 6.34     | ±0.6                   |
| 10433 | AAU | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                                              | LTE-FDD  | 6.34     | ±0.6                   |
| 10434 | AAB | W-CDMA (BS Test Model 1, 64 DPCH)                                              | WCDMA    | 6.60     | ±0.6                   |
| 10435 | AAU | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 7.82     | ±0.6                   |
| 10447 | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)                                 | LTE-FDD  | 7.56     | ±0.6                   |
| 10448 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)                                | LTE-FDD  | 7.50     | ±0.6                   |
| 10449 | AAU | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)                                | LTE-FDD  | 7.51     | ±0.6                   |
| 10450 | AAU | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)                                | LTE-FDD  | 7.48     | ±0.6                   |
| 10451 | AAB | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)                                | WCDMA    | 7.58     | ±0.6                   |
| 10453 | AAE | Validation (Square, 10 ms, 1 ms)                                               | Test     | 10.00    | ±0.6                   |
| 10456 | AAU | IEEE 802.11ac WiFi (160 MHz, 64-QAM, 96pc duty cycle)                          | WLAN     | 8.52     | ±0.6                   |
| 10457 | AAB | UMTS-FDD (DC-HSPA)                                                             | WCDMA    | 8.62     | ±0.6                   |
| 10458 | AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers)                                         | CDMA2000 | 6.25     | ±0.6                   |
| 10459 | AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers)                                         | CDMA2000 | 6.25     | ±0.6                   |
| 10460 | AAB | UMTS-FDD (WCDMA, WNR)                                                          | WCDMA    | 2.35     | ±0.6                   |
| 10461 | AAU | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 7.82     | ±0.6                   |
| 10462 | AAU | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)              | LTE-TDD  | 8.30     | ±0.6                   |
| 10463 | AAU | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)              | LTE-TDD  | 8.56     | ±0.6                   |
| 10464 | AAU | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 7.82     | ±0.6                   |
| 10465 | AAU | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 8.32     | ±0.6                   |
| 10466 | AAU | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 8.57     | ±0.6                   |
| 10467 | AAU | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 7.82     | ±0.6                   |
| 10468 | AAU | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 8.32     | ±0.6                   |
| 10469 | AAU | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 8.56     | ±0.6                   |
| 10470 | AAU | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 7.82     | ±0.6                   |
| 10471 | AAU | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)               | LTE-TDD  | 8.32     | ±0.6                   |

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| UID   | Rev | Communication System Name                                            | Group   | PAR [dB] | Unc <sup>k</sup> k = 2 |
|-------|-----|----------------------------------------------------------------------|---------|----------|------------------------|
| 10472 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | ±9.6                   |
| 10473 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)       | LTE-TDD | 7.82     | ±9.5                   |
| 10474 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.32     | ±9.6                   |
| 10475 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | ±9.5                   |
| 10477 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.32     | ±9.5                   |
| 10478 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | ±9.6                   |
| 10479 | AAF | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | ±9.5                   |
| 10480 | AAF | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.19     | ±9.6                   |
| 10481 | AAF | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.45     | ±9.6                   |
| 10482 | AAF | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)      | LTE-TDD | 7.71     | ±9.6                   |
| 10483 | AAF | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.38     | ±9.6                   |
| 10484 | AAF | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.47     | ±9.6                   |
| 10485 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)      | LTE-TDD | 7.59     | ±9.6                   |
| 10486 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.30     | ±9.6                   |
| 10487 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.60     | ±9.6                   |
| 10488 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.70     | ±9.6                   |
| 10489 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.31     | ±9.6                   |
| 10490 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | ±9.6                   |
| 10491 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.74     | ±9.6                   |
| 10492 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.41     | ±9.6                   |
| 10493 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.55     | ±9.6                   |
| 10494 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.74     | ±9.6                   |
| 10495 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.37     | ±9.6                   |
| 10496 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | ±9.6                   |
| 10497 | AAF | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 7.67     | ±9.6                   |
| 10498 | AAF | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.40     | ±9.6                   |
| 10499 | AAF | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.60     | ±9.6                   |
| 10500 | AAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.67     | ±9.6                   |
| 10501 | AAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.44     | ±9.6                   |
| 10502 | AAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.52     | ±9.6                   |
| 10503 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.72     | ±9.6                   |
| 10504 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.31     | ±9.6                   |
| 10505 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.51     | ±9.6                   |
| 10506 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | ±9.6                   |
| 10507 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.35     | ±9.6                   |
| 10508 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.55     | ±9.6                   |
| 10509 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.99     | ±9.5                   |
| 10510 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.49     | ±9.6                   |
| 10511 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.61     | ±9.6                   |
| 10512 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | ±9.5                   |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.42     | ±9.6                   |
| 10514 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.45     | ±9.6                   |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)            | WLAN    | 1.58     | ±9.6                   |
| 10516 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)          | WLAN    | 1.57     | ±9.6                   |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)           | WLAN    | 1.58     | ±9.6                   |
| 10518 | AAO | IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)            | WLAN    | 8.23     | ±9.6                   |
| 10519 | AAO | IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)           | WLAN    | 8.39     | ±9.6                   |
| 10520 | AAO | IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)           | WLAN    | 8.12     | ±9.6                   |
| 10521 | AAO | IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)           | WLAN    | 7.97     | ±9.5                   |
| 10522 | AAO | IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)           | WLAN    | 8.05     | ±9.5                   |
| 10523 | AAO | IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)           | WLAN    | 8.08     | ±9.5                   |
| 10524 | AAO | IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)           | WLAN    | 8.27     | ±9.5                   |
| 10525 | AAO | IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)                   | WLAN    | 8.38     | ±9.6                   |
| 10526 | AAO | IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)                   | WLAN    | 8.42     | ±9.5                   |
| 10527 | AAO | IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)                   | WLAN    | 8.21     | ±9.6                   |
| 10528 | AAO | IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)                   | WLAN    | 8.38     | ±9.6                   |
| 10529 | AAO | IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)                   | WLAN    | 8.36     | ±9.6                   |
| 10530 | AAO | IEEE 802.11ac WiFi (20 MHz, MCS5, 99pc duty cycle)                   | WLAN    | 8.43     | ±9.6                   |
| 10531 | AAO | IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)                   | WLAN    | 8.29     | ±9.6                   |
| 10532 | AAO | IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)                   | WLAN    | 8.38     | ±9.6                   |
| 10533 | AAO | IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)                   | WLAN    | 8.45     | ±9.6                   |
| 10534 | AAO | IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)                   | WLAN    | 8.45     | ±9.6                   |
| 10535 | AAO | IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)                   | WLAN    | 8.32     | ±9.5                   |
| 10536 | AAO | IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)                   | WLAN    | 8.44     | ±9.5                   |
| 10537 | AAO | IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)                   | WLAN    | 8.54     | ±9.5                   |
| 10538 | AAO | IEEE 802.11ac WiFi (40 MHz, MCS5, 99pc duty cycle)                   | WLAN    | 8.39     | ±9.5                   |
| 10540 | AAO | IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)                   | WLAN    | 8.39     | ±9.5                   |

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| UID   | Rev | Communication System Name                                       | Group | PAR (dB) | Unc <sup>k</sup> k = 2 |
|-------|-----|-----------------------------------------------------------------|-------|----------|------------------------|
| 10541 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)              | WLAN  | 8.46     | ±9.6                   |
| 10542 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)              | WLAN  | 8.65     | ±9.6                   |
| 10543 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)              | WLAN  | 8.65     | ±9.6                   |
| 10544 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)              | WLAN  | 8.47     | ±9.6                   |
| 10545 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)              | WLAN  | 8.65     | ±9.6                   |
| 10546 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)              | WLAN  | 8.35     | ±9.6                   |
| 10547 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)              | WLAN  | 8.48     | ±9.6                   |
| 10548 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)              | WLAN  | 8.37     | ±9.6                   |
| 10550 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)              | WLAN  | 8.38     | ±9.6                   |
| 10551 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)              | WLAN  | 8.50     | ±9.6                   |
| 10552 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)              | WLAN  | 8.42     | ±9.6                   |
| 10553 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)              | WLAN  | 8.45     | ±9.6                   |
| 10554 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)             | WLAN  | 8.48     | ±9.6                   |
| 10555 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)             | WLAN  | 8.47     | ±9.6                   |
| 10556 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)             | WLAN  | 8.50     | ±9.6                   |
| 10557 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)             | WLAN  | 8.52     | ±9.6                   |
| 10558 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)             | WLAN  | 8.61     | ±9.6                   |
| 10560 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)             | WLAN  | 8.73     | ±9.6                   |
| 10561 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)             | WLAN  | 8.58     | ±9.6                   |
| 10562 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)             | WLAN  | 8.69     | ±9.6                   |
| 10563 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)             | WLAN  | 8.77     | ±9.6                   |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)  | WLAN  | 8.25     | ±9.6                   |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | WLAN  | 8.45     | ±9.6                   |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | WLAN  | 8.13     | ±9.6                   |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) | WLAN  | 8.06     | ±9.6                   |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | WLAN  | 8.37     | ±9.6                   |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | WLAN  | 8.10     | ±9.6                   |
| 10570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) | WLAN  | 8.30     | ±9.6                   |
| 10571 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)       | WLAN  | 1.99     | ±9.6                   |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)       | WLAN  | 1.99     | ±9.6                   |
| 10573 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)     | WLAN  | 1.98     | ±9.6                   |
| 10574 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)      | WLAN  | 1.98     | ±9.6                   |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle)  | WLAN  | 8.59     | ±9.6                   |
| 10576 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)  | WLAN  | 8.60     | ±9.6                   |
| 10577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | WLAN  | 8.70     | ±9.6                   |
| 10578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | WLAN  | 8.49     | ±9.6                   |
| 10579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) | WLAN  | 8.36     | ±9.6                   |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | WLAN  | 8.78     | ±9.6                   |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | WLAN  | 8.35     | ±9.6                   |
| 10582 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) | WLAN  | 8.67     | ±9.6                   |
| 10583 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)        | WLAN  | 8.58     | ±9.6                   |
| 10584 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)        | WLAN  | 8.60     | ±9.6                   |
| 10585 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)       | WLAN  | 8.70     | ±9.6                   |
| 10586 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 15 Mbps, 99pc duty cycle)       | WLAN  | 8.49     | ±9.6                   |
| 10587 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       | WLAN  | 8.35     | ±9.6                   |
| 10588 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       | WLAN  | 8.75     | ±9.6                   |
| 10589 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       | WLAN  | 8.35     | ±9.6                   |
| 10590 | AAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       | WLAN  | 8.67     | ±9.6                   |
| 10591 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 99pc duty cycle)          | WLAN  | 8.63     | ±9.6                   |
| 10592 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 99pc duty cycle)          | WLAN  | 8.79     | ±9.6                   |
| 10593 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 99pc duty cycle)          | WLAN  | 8.64     | ±9.6                   |
| 10594 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 99pc duty cycle)          | WLAN  | 8.74     | ±9.6                   |
| 10595 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 99pc duty cycle)          | WLAN  | 8.74     | ±9.6                   |
| 10596 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 99pc duty cycle)          | WLAN  | 8.71     | ±9.6                   |
| 10597 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 99pc duty cycle)          | WLAN  | 8.72     | ±9.6                   |
| 10598 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 99pc duty cycle)          | WLAN  | 8.50     | ±9.6                   |
| 10599 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS8, 99pc duty cycle)          | WLAN  | 8.75     | ±9.6                   |
| 10600 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS9, 99pc duty cycle)          | WLAN  | 8.68     | ±9.6                   |
| 10601 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 99pc duty cycle)          | WLAN  | 8.82     | ±9.6                   |
| 10602 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 99pc duty cycle)          | WLAN  | 8.84     | ±9.6                   |
| 10603 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 99pc duty cycle)          | WLAN  | 9.03     | ±9.6                   |
| 10604 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 99pc duty cycle)          | WLAN  | 8.76     | ±9.6                   |
| 10605 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 99pc duty cycle)          | WLAN  | 8.97     | ±9.6                   |
| 10606 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 99pc duty cycle)          | WLAN  | 8.82     | ±9.6                   |
| 10607 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)              | WLAN  | 8.64     | ±9.6                   |
| 10608 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)              | WLAN  | 8.77     | ±9.6                   |



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| UID   | Rev | Communication System Name                             | Group     | PAR (dB) | Unc <sup>F</sup> k = 2 |
|-------|-----|-------------------------------------------------------|-----------|----------|------------------------|
| 10609 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)    | WLAN      | 8.57     | ±9.6                   |
| 10610 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)    | WLAN      | 8.78     | ±9.6                   |
| 10611 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)    | WLAN      | 8.70     | ±9.6                   |
| 10612 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)    | WLAN      | 8.77     | ±9.6                   |
| 10613 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)    | WLAN      | 8.94     | ±9.6                   |
| 10614 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)    | WLAN      | 8.59     | ±9.6                   |
| 10615 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)    | WLAN      | 8.92     | ±9.6                   |
| 10616 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)    | WLAN      | 8.82     | ±9.6                   |
| 10617 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)    | WLAN      | 8.91     | ±9.6                   |
| 10618 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)    | WLAN      | 8.58     | ±9.6                   |
| 10619 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)    | WLAN      | 8.86     | ±9.6                   |
| 10620 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)    | WLAN      | 8.87     | ±9.6                   |
| 10621 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)    | WLAN      | 8.77     | ±9.6                   |
| 10622 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)    | WLAN      | 8.60     | ±9.6                   |
| 10623 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)    | WLAN      | 8.82     | ±9.6                   |
| 10624 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)    | WLAN      | 8.96     | ±9.6                   |
| 10625 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)    | WLAN      | 8.86     | ±9.6                   |
| 10626 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)    | WLAN      | 8.83     | ±9.6                   |
| 10627 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)    | WLAN      | 8.88     | ±9.6                   |
| 10628 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)    | WLAN      | 8.71     | ±9.6                   |
| 10629 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)    | WLAN      | 8.85     | ±9.6                   |
| 10630 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)    | WLAN      | 8.72     | ±9.6                   |
| 10631 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)    | WLAN      | 8.61     | ±9.6                   |
| 10632 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)    | WLAN      | 8.74     | ±9.6                   |
| 10633 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)    | WLAN      | 8.83     | ±9.6                   |
| 10634 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)    | WLAN      | 8.80     | ±9.6                   |
| 10635 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)    | WLAN      | 8.81     | ±9.6                   |
| 10636 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)   | WLAN      | 8.83     | ±9.6                   |
| 10637 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)   | WLAN      | 8.79     | ±9.6                   |
| 10638 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)   | WLAN      | 8.86     | ±9.6                   |
| 10639 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)   | WLAN      | 8.85     | ±9.6                   |
| 10640 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)   | WLAN      | 8.96     | ±9.6                   |
| 10641 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)   | WLAN      | 8.96     | ±9.6                   |
| 10642 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)   | WLAN      | 8.96     | ±9.6                   |
| 10643 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)   | WLAN      | 8.89     | ±9.6                   |
| 10644 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)   | WLAN      | 9.05     | ±9.6                   |
| 10645 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)   | WLAN      | 9.11     | ±9.6                   |
| 10646 | AAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) | LTE-TDD   | 11.96    | ±9.6                   |
| 10647 | AAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) | LTE-TDD   | 11.96    | ±9.6                   |
| 10648 | AAA | CDMA2000 (1x Advanced)                                | CDMA2000  | 3.45     | ±9.6                   |
| 10652 | AAF | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)        | LTE-TDD   | 6.91     | ±9.6                   |
| 10653 | AAF | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)       | LTE-TDD   | 7.42     | ±9.6                   |
| 10654 | AAF | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)       | LTE-TDD   | 8.96     | ±9.6                   |
| 10655 | AAF | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)       | LTE-TDD   | 7.21     | ±9.6                   |
| 10658 | AAB | Pulse Waveform (200Hz, 10%)                           | Test      | 10.00    | ±9.6                   |
| 10659 | AAB | Pulse Waveform (200Hz, 20%)                           | Test      | 8.96     | ±9.6                   |
| 10660 | AAB | Pulse Waveform (200Hz, 40%)                           | Test      | 3.96     | ±9.6                   |
| 10661 | AAB | Pulse Waveform (200Hz, 60%)                           | Test      | 2.22     | ±9.6                   |
| 10662 | AAB | Pulse Waveform (200Hz, 80%)                           | Test      | 0.97     | ±9.6                   |
| 10670 | AAA | Bluetooth Low Energy                                  | Bluetooth | 2.19     | ±9.6                   |
| 10671 | AAC | IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)         | WLAN      | 9.09     | ±9.6                   |
| 10672 | AAC | IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)         | WLAN      | 8.57     | ±9.6                   |
| 10673 | AAC | IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)         | WLAN      | 8.79     | ±9.6                   |
| 10674 | AAC | IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)         | WLAN      | 8.74     | ±9.6                   |
| 10675 | AAC | IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)         | WLAN      | 8.50     | ±9.6                   |
| 10676 | AAC | IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)         | WLAN      | 8.77     | ±9.6                   |
| 10677 | AAC | IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)         | WLAN      | 8.73     | ±9.6                   |
| 10678 | AAC | IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)         | WLAN      | 8.78     | ±9.6                   |
| 10679 | AAC | IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)         | WLAN      | 8.99     | ±9.6                   |
| 10680 | AAC | IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)         | WLAN      | 8.50     | ±9.6                   |
| 10681 | AAC | IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)        | WLAN      | 8.52     | ±9.6                   |
| 10682 | AAC | IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)        | WLAN      | 8.03     | ±9.6                   |
| 10683 | AAC | IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)         | WLAN      | 8.42     | ±9.6                   |
| 10684 | AAC | IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)         | WLAN      | 8.25     | ±9.6                   |
| 10685 | AAC | IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)         | WLAN      | 8.33     | ±9.6                   |
| 10686 | AAC | IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)         | WLAN      | 8.28     | ±9.6                   |

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| UID   | File | Communication System Name                     | Group | PA0 (dB) | Line F A - 2 |
|-------|------|-----------------------------------------------|-------|----------|--------------|
| 10687 | AAC  | IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.45     | +9.6         |
| 10688 | AAC  | IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)  | WLAN  | 8.28     | +9.6         |
| 10689 | AAC  | IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)  | WLAN  | 8.55     | +9.6         |
| 10690 | AAC  | IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)  | WLAN  | 8.25     | +9.6         |
| 10691 | AAC  | IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.25     | +9.6         |
| 10692 | AAC  | IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)  | WLAN  | 8.25     | +9.6         |
| 10693 | AAC  | IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle) | WLAN  | 8.25     | +9.6         |
| 10694 | AAC  | IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle) | WLAN  | 8.57     | +9.6         |
| 10695 | AAC  | IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)  | WLAN  | 8.78     | +9.6         |
| 10696 | AAC  | IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.81     | +9.6         |
| 10697 | AAC  | IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)  | WLAN  | 8.81     | +9.6         |
| 10698 | AAC  | IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) | WLAN  | 8.89     | +9.6         |
| 10699 | AAC  | IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) | WLAN  | 8.82     | +9.6         |
| 10700 | AAC  | IEEE 802.11ax (40MHz, MCS12, 99pc duty cycle) | WLAN  | 8.73     | +9.6         |
| 10701 | AAC  | IEEE 802.11ax (40MHz, MCS13, 99pc duty cycle) | WLAN  | 8.88     | +9.6         |
| 10702 | AAC  | IEEE 802.11ax (40MHz, MCS14, 99pc duty cycle) | WLAN  | 8.70     | +9.6         |
| 10703 | AAC  | IEEE 802.11ax (40MHz, MCS15, 99pc duty cycle) | WLAN  | 8.82     | +9.6         |
| 10704 | AAC  | IEEE 802.11ax (40MHz, MCS16, 99pc duty cycle) | WLAN  | 8.86     | +9.6         |
| 10705 | AAC  | IEEE 802.11ax (40MHz, MCS17, 99pc duty cycle) | WLAN  | 8.89     | +9.6         |
| 10706 | AAC  | IEEE 802.11ax (40MHz, MCS18, 99pc duty cycle) | WLAN  | 9.06     | +9.6         |
| 10707 | AAC  | IEEE 802.11ax (40MHz, MCS19, 99pc duty cycle) | WLAN  | 8.82     | +9.6         |
| 10708 | AAC  | IEEE 802.11ax (40MHz, MCS20, 99pc duty cycle) | WLAN  | 8.58     | +9.6         |
| 10709 | AAC  | IEEE 802.11ax (40MHz, MCS21, 99pc duty cycle) | WLAN  | 8.33     | +9.6         |
| 10710 | AAC  | IEEE 802.11ax (40MHz, MCS22, 99pc duty cycle) | WLAN  | 8.33     | +9.6         |
| 10711 | AAC  | IEEE 802.11ax (40MHz, MCS23, 99pc duty cycle) | WLAN  | 8.39     | +9.6         |
| 10712 | AAC  | IEEE 802.11ax (40MHz, MCS24, 99pc duty cycle) | WLAN  | 8.39     | +9.6         |
| 10713 | AAC  | IEEE 802.11ax (40MHz, MCS25, 99pc duty cycle) | WLAN  | 8.67     | +9.6         |
| 10714 | AAC  | IEEE 802.11ax (40MHz, MCS26, 99pc duty cycle) | WLAN  | 8.33     | +9.6         |
| 10715 | AAC  | IEEE 802.11ax (40MHz, MCS27, 99pc duty cycle) | WLAN  | 8.26     | +9.6         |
| 10716 | AAC  | IEEE 802.11ax (40MHz, MCS28, 99pc duty cycle) | WLAN  | 8.45     | +9.6         |
| 10717 | AAC  | IEEE 802.11ax (40MHz, MCS29, 99pc duty cycle) | WLAN  | 8.30     | +9.6         |
| 10718 | AAC  | IEEE 802.11ax (40MHz, MCS30, 99pc duty cycle) | WLAN  | 8.40     | +9.6         |
| 10719 | AAC  | IEEE 802.11ax (40MHz, MCS31, 99pc duty cycle) | WLAN  | 8.24     | +9.6         |
| 10720 | AAC  | IEEE 802.11ax (40MHz, MCS32, 99pc duty cycle) | WLAN  | 8.81     | +9.6         |
| 10721 | AAC  | IEEE 802.11ax (40MHz, MCS33, 99pc duty cycle) | WLAN  | 8.87     | +9.6         |
| 10722 | AAC  | IEEE 802.11ax (40MHz, MCS34, 99pc duty cycle) | WLAN  | 8.78     | +9.6         |
| 10723 | AAC  | IEEE 802.11ax (40MHz, MCS35, 99pc duty cycle) | WLAN  | 8.55     | +9.6         |
| 10724 | AAC  | IEEE 802.11ax (40MHz, MCS36, 99pc duty cycle) | WLAN  | 8.70     | +9.6         |
| 10725 | AAC  | IEEE 802.11ax (40MHz, MCS37, 99pc duty cycle) | WLAN  | 8.90     | +9.6         |
| 10726 | AAC  | IEEE 802.11ax (40MHz, MCS38, 99pc duty cycle) | WLAN  | 8.74     | +9.6         |
| 10727 | AAC  | IEEE 802.11ax (40MHz, MCS39, 99pc duty cycle) | WLAN  | 8.72     | +9.6         |
| 10728 | AAC  | IEEE 802.11ax (40MHz, MCS40, 99pc duty cycle) | WLAN  | 8.88     | +9.6         |
| 10729 | AAC  | IEEE 802.11ax (40MHz, MCS41, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10730 | AAC  | IEEE 802.11ax (40MHz, MCS42, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10731 | AAC  | IEEE 802.11ax (40MHz, MCS43, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10732 | AAC  | IEEE 802.11ax (40MHz, MCS44, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10733 | AAC  | IEEE 802.11ax (40MHz, MCS45, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10734 | AAC  | IEEE 802.11ax (40MHz, MCS46, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10735 | AAC  | IEEE 802.11ax (40MHz, MCS47, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10736 | AAC  | IEEE 802.11ax (40MHz, MCS48, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10737 | AAC  | IEEE 802.11ax (40MHz, MCS49, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10738 | AAC  | IEEE 802.11ax (40MHz, MCS50, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10739 | AAC  | IEEE 802.11ax (40MHz, MCS51, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10740 | AAC  | IEEE 802.11ax (40MHz, MCS52, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10741 | AAC  | IEEE 802.11ax (40MHz, MCS53, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10742 | AAC  | IEEE 802.11ax (40MHz, MCS54, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10743 | AAC  | IEEE 802.11ax (40MHz, MCS55, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10744 | AAC  | IEEE 802.11ax (40MHz, MCS56, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10745 | AAC  | IEEE 802.11ax (40MHz, MCS57, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10746 | AAC  | IEEE 802.11ax (40MHz, MCS58, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10747 | AAC  | IEEE 802.11ax (40MHz, MCS59, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10748 | AAC  | IEEE 802.11ax (40MHz, MCS60, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10749 | AAC  | IEEE 802.11ax (40MHz, MCS61, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10750 | AAC  | IEEE 802.11ax (40MHz, MCS62, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10751 | AAC  | IEEE 802.11ax (40MHz, MCS63, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |
| 10752 | AAC  | IEEE 802.11ax (40MHz, MCS64, 99pc duty cycle) | WLAN  | 8.85     | +9.6         |

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| UID   | Rev | Communication System Name                       | Group         | PAR [dB] | Unc <sup>2</sup> k = 2 |
|-------|-----|-------------------------------------------------|---------------|----------|------------------------|
| 10753 | AAC | IEEE 802.11ax (160 MHz, MCS10, 80ps duty cycle) | WLAN          | 8.00     | ±9.5                   |
| 10754 | AAC | IEEE 802.11ax (160 MHz, MCS11, 80ps duty cycle) | WLAN          | 8.94     | ±9.5                   |
| 10755 | AAC | IEEE 802.11ax (160 MHz, MCS0, 90ps duty cycle)  | WLAN          | 8.64     | ±9.5                   |
| 10756 | AAC | IEEE 802.11ax (160 MHz, MCS1, 90ps duty cycle)  | WLAN          | 8.77     | ±9.5                   |
| 10757 | AAC | IEEE 802.11ax (160 MHz, MCS2, 90ps duty cycle)  | WLAN          | 8.77     | ±9.5                   |
| 10758 | AAC | IEEE 802.11ax (160 MHz, MCS3, 90ps duty cycle)  | WLAN          | 8.69     | ±9.5                   |
| 10759 | AAC | IEEE 802.11ax (160 MHz, MCS4, 90ps duty cycle)  | WLAN          | 8.58     | ±9.5                   |
| 10760 | AAC | IEEE 802.11ax (160 MHz, MCS5, 90ps duty cycle)  | WLAN          | 8.49     | ±9.5                   |
| 10761 | AAC | IEEE 802.11ax (160 MHz, MCS6, 90ps duty cycle)  | WLAN          | 8.58     | ±9.5                   |
| 10762 | AAC | IEEE 802.11ax (160 MHz, MCS7, 90ps duty cycle)  | WLAN          | 8.49     | ±9.5                   |
| 10763 | AAC | IEEE 802.11ax (160 MHz, MCS8, 90ps duty cycle)  | WLAN          | 8.53     | ±9.5                   |
| 10764 | AAC | IEEE 802.11ax (160 MHz, MCS9, 90ps duty cycle)  | WLAN          | 8.54     | ±9.5                   |
| 10765 | AAC | IEEE 802.11ax (160 MHz, MCS10, 90ps duty cycle) | WLAN          | 8.54     | ±9.5                   |
| 10766 | AAC | IEEE 802.11ax (160 MHz, MCS11, 90ps duty cycle) | WLAN          | 8.51     | ±9.5                   |
| 10767 | AAG | 5G NR (CP-OFDM, 1 RB, 6 MHz, QPSK, 15kHz)       | 5G NR FR1 TDD | 7.99     | ±9.5                   |
| 10768 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.01     | ±9.5                   |
| 10769 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.01     | ±9.5                   |
| 10770 | AAE | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.02     | ±9.5                   |
| 10771 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.02     | ±9.5                   |
| 10772 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.23     | ±9.5                   |
| 10773 | AAF | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.03     | ±9.5                   |
| 10774 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.02     | ±9.5                   |
| 10775 | AAF | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15kHz)     | 5G NR FR1 TDD | 8.31     | ±9.5                   |
| 10776 | AAE | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.30     | ±9.5                   |
| 10777 | AAC | 5G NR (CP-OFDM, 50% RB, 16 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.30     | ±9.5                   |
| 10778 | AAE | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.34     | ±9.5                   |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.42     | ±9.5                   |
| 10780 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.38     | ±9.5                   |
| 10781 | AAF | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.38     | ±9.5                   |
| 10782 | AAE | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.43     | ±9.5                   |
| 10783 | AAG | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.31     | ±9.5                   |
| 10784 | AAE | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.29     | ±9.5                   |
| 10785 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.40     | ±9.5                   |
| 10786 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.35     | ±9.5                   |
| 10787 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.44     | ±9.5                   |
| 10788 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.39     | ±9.5                   |
| 10789 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.37     | ±9.5                   |
| 10790 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.39     | ±9.5                   |
| 10791 | AAG | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 7.83     | ±9.5                   |
| 10792 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.92     | ±9.5                   |
| 10793 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.95     | ±9.5                   |
| 10794 | AAE | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.82     | ±9.5                   |
| 10795 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.84     | ±9.5                   |
| 10796 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.82     | ±9.5                   |
| 10797 | AAF | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 8.01     | ±9.5                   |
| 10798 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.89     | ±9.5                   |
| 10799 | AAF | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.93     | ±9.5                   |
| 10801 | AAF | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.89     | ±9.5                   |
| 10802 | AAE | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.87     | ±9.5                   |
| 10803 | AAF | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 7.93     | ±9.5                   |
| 10806 | AAE | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | ±9.5                   |
| 10809 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.37     | ±9.5                   |
| 10810 | AAE | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | ±9.5                   |
| 10811 | AAF | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | ±9.5                   |
| 10812 | AAF | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.35     | ±9.5                   |
| 10817 | AAG | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.25     | ±9.5                   |
| 10818 | AAE | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.24     | ±9.5                   |
| 10819 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.30     | ±9.5                   |
| 10820 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.30     | ±9.5                   |
| 10821 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.41     | ±9.5                   |
| 10822 | AAF | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.41     | ±9.5                   |
| 10823 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.36     | ±9.5                   |
| 10824 | AAF | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.39     | ±9.5                   |
| 10825 | AAF | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.41     | ±9.5                   |
| 10827 | AAF | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.42     | ±9.5                   |
| 10828 | AAF | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.43     | ±9.5                   |



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| UID   | Rev | Communication System Name                          | Group         | PAR (dB) | Unc <sup>2</sup> k = 2 |
|-------|-----|----------------------------------------------------|---------------|----------|------------------------|
| 10829 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 8.40     | ±9.8                   |
| 10830 | AAE | 5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 80kHz)          | 5G NR FR1 TDD | 7.63     | ±9.6                   |
| 10831 | AAE | 5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 80kHz)          | 5G NR FR1 TDD | 7.73     | ±9.6                   |
| 10832 | AAE | 5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 80kHz)          | 5G NR FR1 TDD | 7.74     | ±9.6                   |
| 10833 | AAE | 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 80kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6                   |
| 10834 | AAE | 5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 80kHz)          | 5G NR FR1 TDD | 7.75     | ±9.6                   |
| 10835 | AAE | 5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 80kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6                   |
| 10836 | AAE | 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 80kHz)          | 5G NR FR1 TDD | 7.66     | ±9.6                   |
| 10837 | AAE | 5G NR (CP-OFDM, 1 RB, 60MHz, QPSK, 80kHz)          | 5G NR FR1 TDD | 7.68     | ±9.6                   |
| 10838 | AAE | 5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 80kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6                   |
| 10840 | AAE | 5G NR (CP-OFDM, 1 RB, 90MHz, QPSK, 80kHz)          | 5G NR FR1 TDD | 7.67     | ±9.6                   |
| 10841 | AAE | 5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 80kHz)         | 5G NR FR1 TDD | 7.71     | ±9.6                   |
| 10843 | AAE | 5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 80kHz)        | 5G NR FR1 TDD | 8.49     | ±9.6                   |
| 10844 | AAE | 5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 80kHz)        | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10846 | AAE | 5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 80kHz)        | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10854 | AAE | 5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 60kHz)       | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10855 | AAE | 5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 60kHz)       | 5G NR FR1 TDD | 8.36     | ±9.6                   |
| 10856 | AAE | 5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 60kHz)       | 5G NR FR1 TDD | 8.37     | ±9.6                   |
| 10857 | AAE | 5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 60kHz)       | 5G NR FR1 TDD | 8.35     | ±9.6                   |
| 10858 | AAE | 5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 60kHz)       | 5G NR FR1 TDD | 8.36     | ±9.6                   |
| 10859 | AAE | 5G NR (CP-OFDM, 100% RB, 40MHz, QPSK, 60kHz)       | 5G NR FR1 TDD | 8.34     | ±9.6                   |
| 10860 | AAE | 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 60kHz)       | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10861 | AAE | 5G NR (CP-OFDM, 100% RB, 60MHz, QPSK, 60kHz)       | 5G NR FR1 TDD | 8.40     | ±9.6                   |
| 10863 | AAE | 5G NR (CP-OFDM, 100% RB, 80MHz, QPSK, 60kHz)       | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10864 | AAE | 5G NR (CP-OFDM, 100% RB, 90MHz, QPSK, 60kHz)       | 5G NR FR1 TDD | 8.37     | ±9.6                   |
| 10865 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 60kHz)      | 5G NR FR1 TDD | 8.41     | ±9.6                   |
| 10866 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10868 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.89     | ±9.6                   |
| 10869 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100MHz, QPSK, 120kHz)     | 5G NR FR2 TDD | 5.75     | ±9.6                   |
| 10870 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100MHz, QPSK, 120kHz)  | 5G NR FR2 TDD | 5.86     | ±9.6                   |
| 10871 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100MHz, 16QAM, 120kHz)    | 5G NR FR2 TDD | 5.75     | ±9.6                   |
| 10872 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100MHz, 16QAM, 120kHz) | 5G NR FR2 TDD | 6.02     | ±9.6                   |
| 10873 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100MHz, 64QAM, 120kHz)    | 5G NR FR2 TDD | 6.61     | ±9.6                   |
| 10874 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100MHz, 64QAM, 120kHz) | 5G NR FR2 TDD | 6.66     | ±9.6                   |
| 10875 | AAE | 5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 120kHz)        | 5G NR FR2 TDD | 7.78     | ±9.6                   |
| 10876 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)     | 5G NR FR2 TDD | 8.39     | ±9.6                   |
| 10877 | AAE | 5G NR (CP-OFDM, 1 RB, 100MHz, 16QAM, 120kHz)       | 5G NR FR2 TDD | 7.95     | ±9.6                   |
| 10878 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, 16QAM, 120kHz)    | 5G NR FR2 TDD | 8.41     | ±9.6                   |
| 10879 | AAE | 5G NR (CP-OFDM, 1 RB, 100MHz, 64QAM, 120kHz)       | 5G NR FR2 TDD | 8.12     | ±9.6                   |
| 10880 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, 64QAM, 120kHz)    | 5G NR FR2 TDD | 8.38     | ±9.6                   |
| 10881 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50MHz, QPSK, 120kHz)      | 5G NR FR2 TDD | 5.75     | ±9.6                   |
| 10882 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 120kHz)   | 5G NR FR2 TDD | 5.96     | ±9.6                   |
| 10883 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50MHz, 16QAM, 120kHz)     | 5G NR FR2 TDD | 6.67     | ±9.6                   |
| 10884 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50MHz, 16QAM, 120kHz)  | 5G NR FR2 TDD | 6.53     | ±9.6                   |
| 10885 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50MHz, 64QAM, 120kHz)     | 5G NR FR2 TDD | 6.61     | ±9.6                   |
| 10886 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50MHz, 64QAM, 120kHz)  | 5G NR FR2 TDD | 6.65     | ±9.6                   |
| 10887 | AAE | 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 120kHz)         | 5G NR FR2 TDD | 7.78     | ±9.6                   |
| 10888 | AAE | 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 120kHz)      | 5G NR FR2 TDD | 8.25     | ±9.6                   |
| 10889 | AAE | 5G NR (CP-OFDM, 1 RB, 50MHz, 16QAM, 120kHz)        | 5G NR FR2 TDD | 8.02     | ±9.6                   |
| 10890 | AAE | 5G NR (CP-OFDM, 100% RB, 50MHz, 16QAM, 120kHz)     | 5G NR FR2 TDD | 8.40     | ±9.6                   |
| 10891 | AAE | 5G NR (CP-OFDM, 1 RB, 50MHz, 64QAM, 120kHz)        | 5G NR FR2 TDD | 8.13     | ±9.6                   |
| 10892 | AAE | 5G NR (CP-OFDM, 100% RB, 50MHz, 64QAM, 120kHz)     | 5G NR FR2 TDD | 8.41     | ±9.6                   |
| 10897 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 30kHz)        | 5G NR FR1 TDD | 5.66     | ±9.6                   |
| 10898 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 10MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.67     | ±9.6                   |
| 10899 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 15MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.67     | ±9.6                   |
| 10900 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 20MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10901 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 25MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10902 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 30MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.65     | ±9.6                   |
| 10903 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 40MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10904 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                   |
| 10905 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 60MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.65     | ±9.6                   |
| 10906 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 80MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.65     | ±9.6                   |
| 10907 | AAE | 5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 5.79     | ±9.6                   |
| 10908 | AAE | 5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 5.93     | ±9.6                   |
| 10909 | AAE | 5G NR (DFT-s-OFDM, 50% RB, 15MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 5.66     | ±9.6                   |
| 10910 | AAE | 5G NR (DFT-s-OFDM, 50% RB, 20MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 5.83     | ±9.6                   |



EX3DV4 - SN.3928

February 21, 2025

| UID   | Rev | Communication System Name                           | Group         | PAR [dB] | Unc <sup>1</sup> k = 2 |
|-------|-----|-----------------------------------------------------|---------------|----------|------------------------|
| 10911 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.93     | ±9.6                   |
| 10912 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.94     | ±9.6                   |
| 10913 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.94     | ±9.6                   |
| 10914 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.95     | ±9.6                   |
| 10915 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.93     | ±9.6                   |
| 10916 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.97     | ±9.6                   |
| 10917 | AAD | 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 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.86     | ±9.6                   |
| 10920 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.87     | ±9.6                   |
| 10921 | AAC | 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 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6                   |
| 10924 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94     | ±9.6                   |
| 10925 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.95     | ±9.6                   |
| 10926 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94     | ±9.6                   |
| 10927 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94     | ±9.6                   |
| 10928 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)       | 5G NR FR1 FDD | 5.52     | ±9.6                   |
| 10929 | AAD | 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 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.50     | ±9.6                   |
| 10937 | AAD | 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 | 5.52     | ±9.6                   |
| 10940 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.59     | ±9.6                   |
| 10941 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.63     | ±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 | 5.85     | ±9.6                   |
| 10944 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.81     | ±9.6                   |
| 10945 | AAD | 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 | 5.89     | ±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 | 5.54     | ±9.6                   |
| 10951 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.89     | ±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 | 8.39     | ±9.6                   |
| 10960 | AAE | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 TDD | 9.32     | ±9.6                   |
| 10961 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.56     | ±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 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 8.55     | ±9.6                   |
| 10964 | AAE | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.29     | ±9.6                   |
| 10965 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.37     | ±9.6                   |
| 10966 | AAD | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.55     | ±9.6                   |
| 10967 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.42     | ±9.6                   |
| 10968 | AAD | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49     | ±9.6                   |
| 10972 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         | 5G NR FR1 TDD | 11.59    | ±9.6                   |
| 10979 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 9.06     | ±9.6                   |
| 10974 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)  | 5G NR FR1 TDD | 10.28    | ±9.6                   |
| 10978 | AAA | ULLA BCR                                            | ULLA          | 1.18     | ±9.6                   |
| 10979 | AAA | ULLA HDR4                                           | ULLA          | 8.68     | ±9.6                   |
| 10980 | AAA | ULLA HDR9                                           | ULLA          | 10.32    | ±9.6                   |
| 10981 | AAA | ULLA HDR14                                          | ULLA          | 9.10     | ±9.6                   |
| 10982 | AAA | ULLA HDR18                                          | ULLA          | 9.43     | ±9.6                   |

EX3DM4 - SN:3828

February 21, 2025

| UID   | Rev | Communication System Name                          | Group         | PAR (dB) | Unc <sup>E</sup> k=2 |
|-------|-----|----------------------------------------------------|---------------|----------|----------------------|
| 10963 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.31     | ±9.6                 |
| 10964 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.42     | ±9.6                 |
| 10965 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.54     | ±9.6                 |
| 10966 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.50     | ±9.6                 |
| 10967 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.53     | ±9.6                 |
| 10968 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.35     | ±9.6                 |
| 10969 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.33     | ±9.6                 |
| 10970 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.52     | ±9.6                 |
| 11003 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 10.24    | ±9.6                 |
| 11004 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 10.73    | ±9.6                 |
| 11005 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.70     | ±9.6                 |
| 11006 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.55     | ±9.6                 |
| 11007 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.46     | ±9.6                 |
| 11008 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.61     | ±9.6                 |
| 11009 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.78     | ±9.6                 |
| 11010 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.95     | ±9.6                 |
| 11011 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 8.98     | ±9.6                 |
| 11012 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.68     | ±9.6                 |
| 11013 | AAB | IEEE 802.11ba (320 MHz, MCS1, 99ps duty cycle)     | WLAN          | 8.47     | ±9.6                 |
| 11014 | AAB | IEEE 802.11ba (320 MHz, MCS2, 99ps duty cycle)     | WLAN          | 8.45     | ±9.6                 |
| 11015 | AAB | IEEE 802.11ba (320 MHz, MCS3, 99ps duty cycle)     | WLAN          | 8.44     | ±9.6                 |
| 11016 | AAB | IEEE 802.11ba (320 MHz, MCS4, 99ps duty cycle)     | WLAN          | 8.44     | ±9.6                 |
| 11017 | AAB | IEEE 802.11ba (320 MHz, MCS5, 99ps duty cycle)     | WLAN          | 8.41     | ±9.6                 |
| 11018 | AAB | IEEE 802.11ba (320 MHz, MCS6, 99ps duty cycle)     | WLAN          | 8.40     | ±9.6                 |
| 11019 | AAB | IEEE 802.11ba (320 MHz, MCS7, 99ps duty cycle)     | WLAN          | 8.29     | ±9.6                 |
| 11020 | AAB | IEEE 802.11ba (320 MHz, MCS8, 99ps duty cycle)     | WLAN          | 8.27     | ±9.6                 |
| 11021 | AAB | IEEE 802.11ba (320 MHz, MCS9, 99ps duty cycle)     | WLAN          | 8.46     | ±9.6                 |
| 11022 | AAB | IEEE 802.11ba (320 MHz, MCS10, 99ps duty cycle)    | WLAN          | 8.36     | ±9.6                 |
| 11023 | AAB | IEEE 802.11ba (320 MHz, MCS11, 99ps duty cycle)    | WLAN          | 8.06     | ±9.6                 |
| 11024 | AAB | IEEE 802.11ba (320 MHz, MCS12, 99ps duty cycle)    | WLAN          | 8.12     | ±9.6                 |
| 11025 | AAB | IEEE 802.11ba (320 MHz, MCS13, 99ps duty cycle)    | WLAN          | 8.37     | ±9.6                 |
| 11026 | AAB | IEEE 802.11ba (320 MHz, MCS0, 99ps duty cycle)     | WLAN          | 8.39     | ±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.

**Appendix A.4 Probe Calibration certificate (EX3DV4 SN7540)**

**Calibration Laboratory of**  
**Schmid & Partner**  
**Engineering AG**  
Zeughausstrasse 43, 8004 Zurich, Switzerland



**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client: **Eurofins KCTL**  
Gyeonggi-do, Republic of Korea

Certificate No. **EX-7540\_May24**

**CALIBRATION CERTIFICATE**

Object: **EX3DV4 - SN-7540**

Calibration procedure(s): **QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,  
QA CAL-25.v8  
Calibration procedure for dosimetric E-field probes**

Calibration date: **May 23, 2024**

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 ± 3) °C and humidity < 70%.  
Calibration Equipment used (M&PE critical for calibration):

| Primary Standards          | ID               | Cal Date (Certificate No.)        | Scheduled Calibration |
|----------------------------|------------------|-----------------------------------|-----------------------|
| Power meter NRP2           | SN: 104778       | 28-Mar-24 (No. 217-04035/04037)   | Mar-25                |
| Power sensor NRP-Z91       | SN: 103244       | 26-Mar-24 (No. 217-04036)         | Mar-25                |
| DCP DAK-3.5 (weighted)     | SN: 1249         | 05-Oct-23 (DCP-DAK3.5-1249_Oct23) | Oct-24                |
| DCP DAK-12                 | SN: 1016         | 05-Oct-23 (DCP-DAK12-1016_Oct23)  | Oct-24                |
| Reference 20 dB Attenuator | SN: QC2552 (20x) | 26-Mar-24 (No. 217-04046)         | Mar-25                |
| DAF4                       | SN: 660          | 23-Feb-24 (No. DAF4-660_Feb24)    | Feb-25                |
| Reference Probe EX3DV4     | SN: 7349         | 03-Nov-23 (No. EX3-7349_Nov23)    | Nov-24                |

| Secondary Standards     | ID                | Check Date (In house)             | Scheduled Check        |
|-------------------------|-------------------|-----------------------------------|------------------------|
| Power meter E4418B      | SN: G841293874    | 06-Apr-18 (In house check Jun-22) | In house check: Jun-24 |
| Power sensor E4412A     | SN: MY41496057    | 08-Apr-16 (In house check Jun-22) | In house check: Jun-24 |
| Power sensor E4412A     | SN: 000110210     | 08-Apr-16 (In house check Jun-22) | In house check: Jun-24 |
| RF generator HP 8549C   | SN: 1153642U01700 | 04-Aug-99 (In house check Jun-22) | In house check: Jun-24 |
| Network Analyzer E8358A | SN: US41080477    | 31-Mar-14 (In house check Oct-22) | In house check: Oct-24 |

|                                                                                                                 | Name            | Function              | Signature |
|-----------------------------------------------------------------------------------------------------------------|-----------------|-----------------------|-----------|
| Calibrated by                                                                                                   | Claudio Leubler | Laboratory Technician |           |
| Approved by                                                                                                     | Evel Kötter     | Technical Manager     |           |
| Issued: May 23, 2024                                                                                            |                 |                       |           |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |                 |                       |           |

Certificate No: EX-7540\_May24

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#### Calibration Laboratory of

Schmid & Partner  
Engineering AG

Zeughausstrasse 45, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst  
C Service suisse d'étalonnage  
S Servizio svizzero di taratura  
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)

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

Accreditation No.: **SCS 0108**

#### 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 $\theta$  | $\theta$ rotation around an axis that is in the plane normal to probe axis (at measurement center); i.e., $\theta = 0$ 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 885664, "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  $\delta = 0$  ( $f < 900$  MHz in TEM-cell;  $f > 1500$  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<sub>0</sub>( $f$ ),  $y, z = \text{NORM}_{x,y,z} \cdot \text{frequency response}$  (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. 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  $f \leq 300$  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).

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## Parameters of Probe: EX3DV4 - SN:7540

## Basic Calibration Parameters

|                                                          | Sensor X | Sensor Y | Sensor Z | Unc (k = 2)  |
|----------------------------------------------------------|----------|----------|----------|--------------|
| Norm ( $\mu\text{V}/(\text{W/m}^2)^{1/2}$ ) <sup>A</sup> | 0.57     | 0.58     | 0.59     | $\pm 10.1\%$ |
| DCP (mV) <sup>B</sup>                                    | 101.3    | 99.8     | 101.1    | $\pm 4.7\%$  |

## Calibration Results for Modulation Response

| UID   | Communication System Name   |   | A<br>dB | B<br>dB $\sqrt{\mu\text{V}}$ | 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    | 152.5    | $\pm 2.7\%$ | $\pm 4.7\%$                      |
|       |                             | Y | 0.00    | 0.00                         | 1.00  |         | 153.9    |             |                                  |
|       |                             | Z | 0.00    | 0.00                         | 1.00  |         | 157.8    |             |                                  |
| 10352 | Pulse Waveform (200Hz, 10%) | X | 17.65   | 88.97                        | 18.36 | 10.00   | 60.0     | $\pm 3.4\%$ | $\pm 9.6\%$                      |
|       |                             | Y | 20.00   | 92.48                        | 21.38 |         | 60.0     |             |                                  |
|       |                             | Z | 20.00   | 90.18                        | 20.25 |         | 60.0     |             |                                  |
| 10353 | Pulse Waveform (200Hz, 20%) | X | 20.00   | 88.72                        | 18.00 | 8.99    | 80.0     | $\pm 1.9\%$ | $\pm 9.6\%$                      |
|       |                             | Y | 20.00   | 96.34                        | 22.27 |         | 80.0     |             |                                  |
|       |                             | Z | 20.00   | 91.01                        | 19.79 |         | 80.0     |             |                                  |
| 10354 | Pulse Waveform (200Hz, 40%) | X | 20.00   | 91.06                        | 18.04 | 3.98    | 95.0     | $\pm 1.1\%$ | $\pm 9.6\%$                      |
|       |                             | Y | 20.00   | 103.32                       | 24.28 |         | 95.0     |             |                                  |
|       |                             | Z | 20.00   | 94.32                        | 20.28 |         | 95.0     |             |                                  |
| 10355 | Pulse Waveform (200Hz, 60%) | X | 20.00   | 96.04                        | 19.40 | 2.22    | 120.0    | $\pm 1.0\%$ | $\pm 9.6\%$                      |
|       |                             | Y | 20.00   | 104.39                       | 21.49 |         | 120.0    |             |                                  |
|       |                             | Z | 20.00   | 99.32                        | 21.52 |         | 120.0    |             |                                  |
| 10387 | QPSK Waveform, 1 MHz        | X | 1.75    | 66.74                        | 15.34 | 1.00    | 150.0    | $\pm 1.8\%$ | $\pm 9.6\%$                      |
|       |                             | Y | 1.66    | 65.68                        | 14.59 |         | 150.0    |             |                                  |
|       |                             | Z | 1.67    | 65.32                        | 14.64 |         | 150.0    |             |                                  |
| 10388 | QPSK Waveform, 10 MHz       | X | 2.33    | 68.50                        | 16.04 | 0.00    | 150.0    | $\pm 1.1\%$ | $\pm 9.6\%$                      |
|       |                             | Y | 2.19    | 67.39                        | 15.33 |         | 150.0    |             |                                  |
|       |                             | Z | 2.18    | 67.23                        | 15.31 |         | 150.0    |             |                                  |
| 10396 | 64-QAM Waveform, 100 kHz    | X | 2.64    | 69.19                        | 18.26 | 3.01    | 150.0    | $\pm 0.8\%$ | $\pm 9.6\%$                      |
|       |                             | Y | 2.57    | 68.29                        | 17.75 |         | 150.0    |             |                                  |
|       |                             | Z | 3.20    | 72.11                        | 19.58 |         | 150.0    |             |                                  |
| 10399 | 64-QAM Waveform, 40 MHz     | X | 3.47    | 66.81                        | 15.67 | 0.00    | 150.0    | $\pm 0.6\%$ | $\pm 9.6\%$                      |
|       |                             | Y | 3.37    | 66.26                        | 15.28 |         | 150.0    |             |                                  |
|       |                             | Z | 3.49    | 66.81                        | 15.57 |         | 150.0    |             |                                  |
| 10414 | WLAN CCDF, 64-QAM, 40 MHz   | X | 4.80    | 65.40                        | 15.43 | 0.00    | 150.0    | $\pm 2.1\%$ | $\pm 9.6\%$                      |
|       |                             | Y | 4.75    | 65.15                        | 15.23 |         | 150.0    |             |                                  |
|       |                             | Z | 4.88    | 65.50                        | 15.41 |         | 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 cover the E-field uncertainty inside TRF (see Pages 5 and 6).

<sup>B</sup> Linearization parameter uncertainty for maximum specified field strength.

<sup>C</sup> Uncertainty is determined using the test deviation non-linear response applying rectangular distribution and is expressed for the square of the field value.

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### Parameters of Probe: EX3DV4 - SN:7540

#### Sensor Model Parameters

|   | C1<br>fF | C2<br>fF | $\alpha$<br>V <sup>-1</sup> | T1<br>ms V <sup>-2</sup> | T2<br>ms V <sup>-1</sup> | T3<br>ms | T4<br>V <sup>-2</sup> | T5<br>V <sup>-1</sup> | T6   |
|---|----------|----------|-----------------------------|--------------------------|--------------------------|----------|-----------------------|-----------------------|------|
| x | 43.9     | 326.05   | 35.23                       | 15.77                    | 0.00                     | 5.02     | 0.57                  | 0.20                  | 1.00 |
| y | 43.6     | 324.67   | 35.28                       | 13.95                    | 0.00                     | 5.02     | 0.59                  | 0.26                  | 1.01 |
| z | 43.2     | 357.36   | 34.99                       | 21.25                    | 0.00                     | 5.07     | 1.99                  | 0.11                  | 1.01 |

#### Other Probe Parameters

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement:                           | Triangular |
| Connector Angle                               | 24.7°      |
| 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 (AV).



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## Parameters of Probe: EX3DV4 - SN:7540

## Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>B</sup> | Conductivity <sup>F</sup> (S/m) | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>D</sup> (mm) | Unc (k=2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-----------|
| 750                  | 41.9                               | 0.89                            | 10.04   | 10.04   | 10.04   | 0.27               | 1.19                    | ±11.0%    |
| 850                  | 41.5                               | 0.92                            | 9.56    | 9.56    | 9.56    | 0.34               | 0.99                    | ±11.0%    |
| 900                  | 41.5                               | 0.97                            | 9.40    | 9.40    | 9.40    | 0.30               | 1.04                    | ±11.0%    |
| 1750                 | 40.7                               | 1.37                            | 8.42    | 8.42    | 8.42    | 0.25               | 0.66                    | ±11.0%    |
| 1900                 | 40.0                               | 1.40                            | 8.31    | 8.31    | 8.31    | 0.25               | 0.66                    | ±11.0%    |
| 2300                 | 39.5                               | 1.67                            | 7.86    | 7.86    | 7.86    | 0.26               | 0.90                    | ±11.0%    |
| 2450                 | 39.2                               | 1.80                            | 7.55    | 7.55    | 7.55    | 0.21               | 0.90                    | ±11.0%    |
| 2600                 | 39.0                               | 1.96                            | 7.46    | 7.46    | 7.46    | 0.19               | 0.90                    | ±11.0%    |
| 3300                 | 38.2                               | 2.71                            | 7.03    | 7.03    | 7.03    | 0.30               | 1.30                    | ±13.1%    |
| 3500                 | 37.9                               | 2.91                            | 6.96    | 6.96    | 6.96    | 0.30               | 1.30                    | ±13.1%    |
| 3700                 | 37.7                               | 3.12                            | 6.87    | 6.87    | 6.87    | 0.30               | 1.30                    | ±13.1%    |
| 3900                 | 37.5                               | 3.32                            | 6.66    | 6.66    | 6.66    | 0.40               | 1.60                    | ±13.1%    |
| 4100                 | 37.2                               | 3.53                            | 6.59    | 6.59    | 6.59    | 0.40               | 1.60                    | ±13.1%    |
| 4800                 | 36.4                               | 4.25                            | 6.05    | 6.05    | 6.05    | 0.40               | 1.60                    | ±13.1%    |
| 5250                 | 35.9                               | 4.71                            | 5.24    | 5.24    | 5.24    | 0.40               | 1.60                    | ±13.1%    |
| 5600                 | 35.5                               | 5.07                            | 4.49    | 4.49    | 4.49    | 0.40               | 1.60                    | ±13.1%    |
| 5800                 | 35.3                               | 5.27                            | 4.63    | 4.63    | 4.63    | 0.40               | 1.60                    | ±13.1%    |

<sup>C</sup> Frequency validity above 300 MHz or  $\pm 100$  MHz only applies for DASY v4.3 and higher (see Page 2), also it is restricted to  $\pm 60$  MHz. The Uncertainty is the RMS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is  $\pm 10$ , 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 5 MHz is 1-8 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to  $\pm 110$  MHz.

<sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate from and/or by less than  $\pm 5\%$  from the target values (typically better than  $\pm 2\%$ ) and are valid for TSL with deviations of up to  $\pm 10\%$  if SAR correction is applied.

<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  $\pm 1\%$  for frequencies below 5 GHz and below  $\pm 2\%$  for frequencies between 5-6 GHz at any distance larger than half the probe tip diameter from the boundary.

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### Parameters of Probe: EX3DV4 - SN:7540

#### Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>E</sup> | Conductivity <sup>F</sup> (S/m) | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup> (mm) | Unc (k = 2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-------------|
| 6500                 | 34.5                               | 6.07                            | 5.30    | 5.30    | 5.30    | 0.25               | 2.60                    | ±18.8%      |
| 7000                 | 33.9                               | 6.65                            | 5.15    | 5.15    | 5.15    | 0.25               | 2.50                    | ±18.8%      |

<sup>C</sup> Frequency validity at 6.5 GHz is -600/-700 MHz and +700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

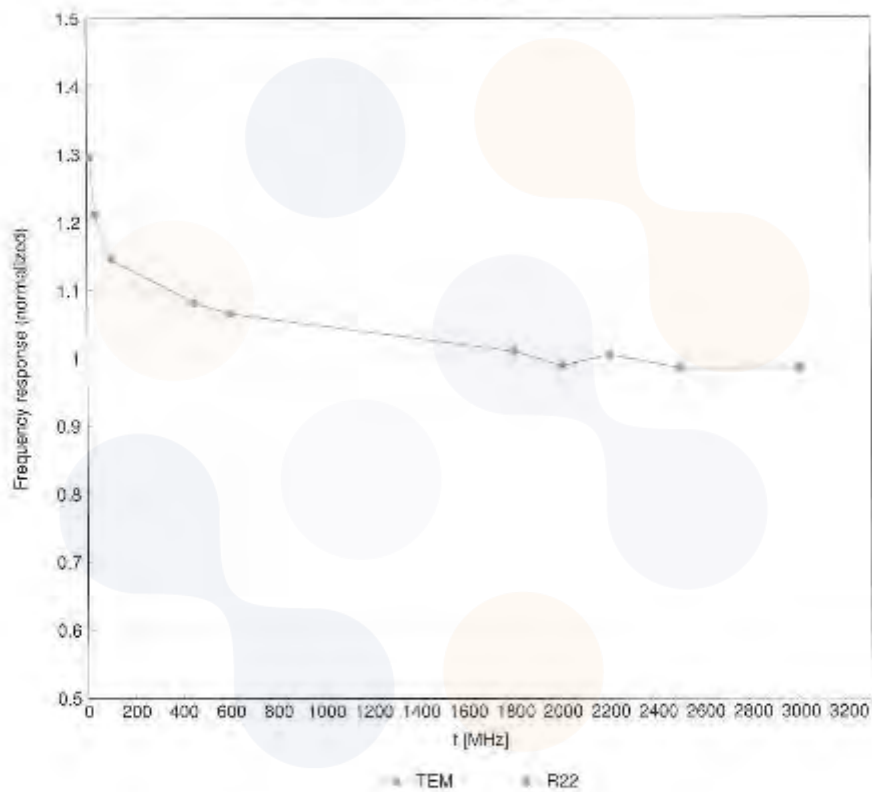
<sup>E</sup> The probes are calibrated using tissue simulating liquids (TSL) and deviate by a and only less than ±10% from the target values (typically better than ±5%) and are valid for TSL with deviations of up to ±10%.

<sup>G</sup> Alpha/Depth are determined during calibration. SPENC warns 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 3-8 GHz and below ±6% for frequencies between 8-10 GHz at any distance larger than half the probe tip diameter from the boundary.

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**Frequency Response of E-Field**  
(TEM-Cell:ifi1110 EXX, Waveguide:R22)



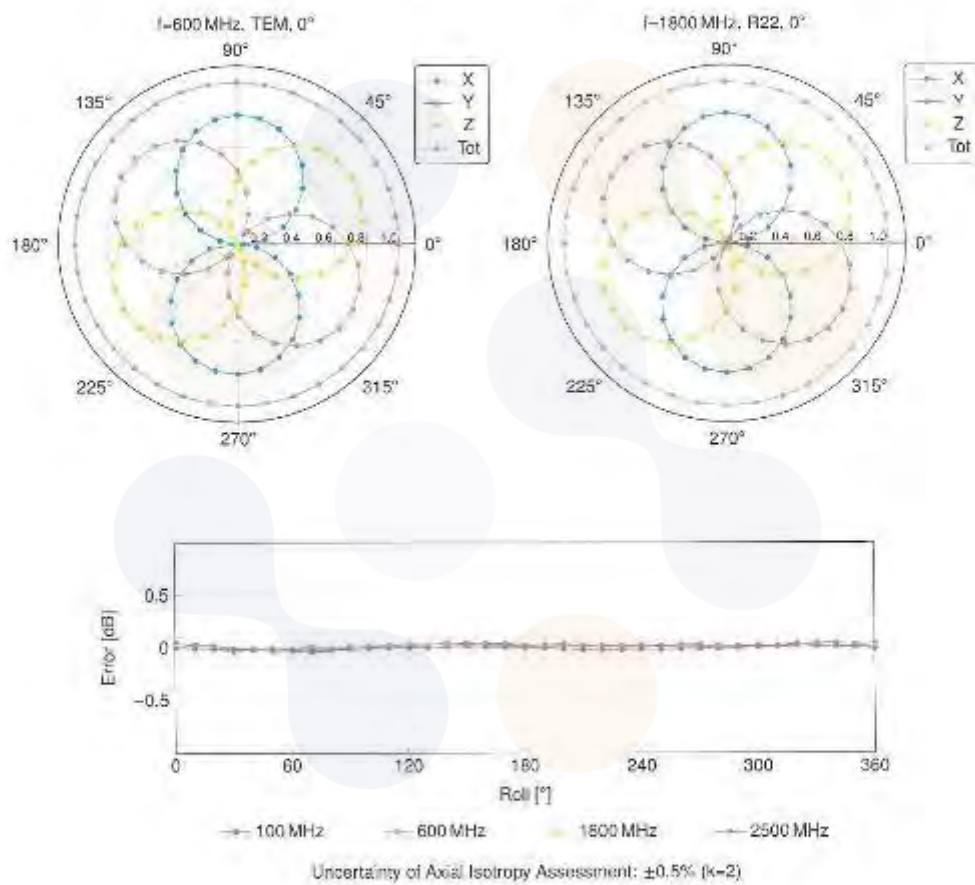
Uncertainty of Frequency Response of E-field:  $\pm 5.3\%$  ( $k=2$ )



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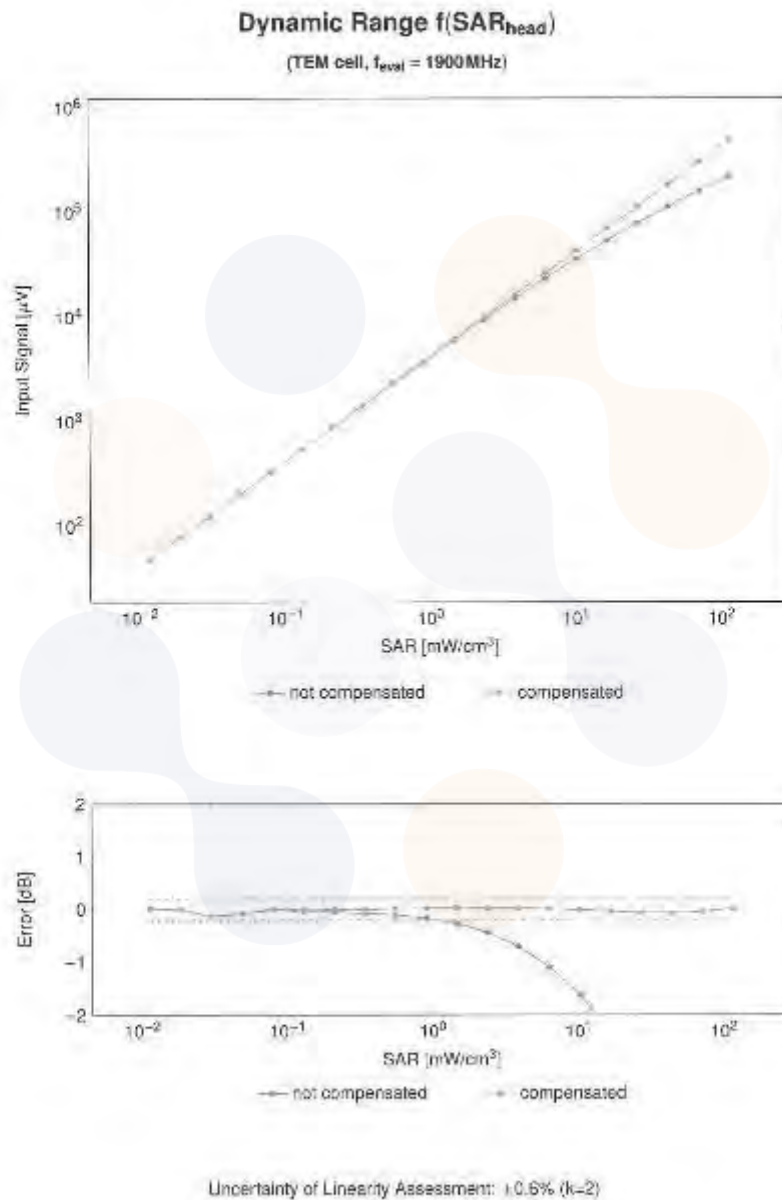
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**Receiving Pattern ( $\phi$ ),  $\theta = 0^\circ$**



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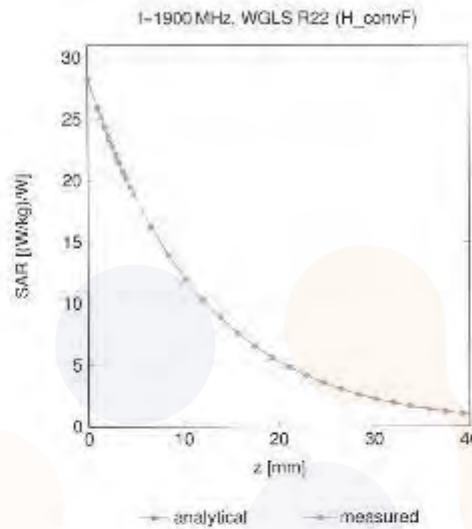
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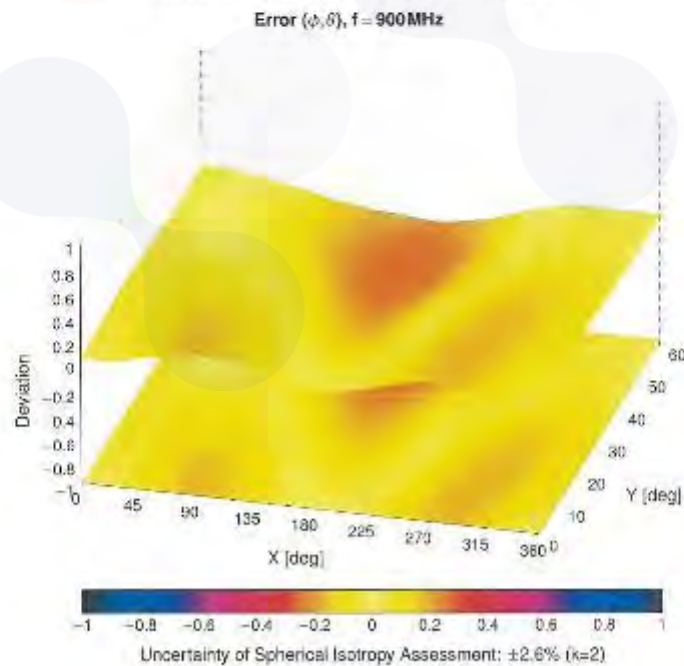
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### Conversion Factor Assessment



### Deviation from Isotropy in Liquid





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**KCTL**

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**Appendix: Modulation Calibration Parameters**

| UID   | Rev | Communication System Name                           | Group     | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|-----------------------------------------------------|-----------|----------|------------------------|
| 10000 | CAC | CW                                                  | CW        | 0.00     | ±4.5                   |
| 10010 | CAB | SAR Validation (Square, 100ms, 10ms)                | Ref       | 10.00    | ±9.5                   |
| 10011 | CAC | UMTS-FDD (WCDMA)                                    | WCDMA     | 2.51     | ±9.5                   |
| 10012 | CAB | IEEE 802.11b WiFi 2.4GHz (DSSS, 1 Mbps)             | WLAN      | 1.87     | ±9.5                   |
| 10013 | CAB | IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 6 Mbps)        | WLAN      | 3.46     | ±9.5                   |
| 10021 | DAC | GSM-FDD (TDMA, GMSK)                                | GSM       | 8.39     | ±9.5                   |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1)                       | GSM       | 8.57     | ±9.5                   |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1)                       | GSM       | 8.56     | ±9.5                   |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1)                       | GSM       | 12.62    | ±9.5                   |
| 10026 | UAC | EDGE-FDD (TDMA, 8PSK, TN 0-1)                       | GSM       | 8.55     | ±9.5                   |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-2)                       | GSM       | 8.80     | ±9.5                   |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-2-3)                     | GSM       | 8.55     | ±9.5                   |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2)                     | GSM       | 7.78     | ±9.5                   |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1)                 | Bluetooth | 5.30     | ±9.5                   |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3)                 | Bluetooth | 1.07     | ±9.5                   |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5)                 | Bluetooth | 1.10     | ±9.5                   |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PM-QPSK, DH1)              | Bluetooth | 7.74     | ±9.5                   |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PM-QPSK, DH3)              | Bluetooth | 4.68     | ±9.5                   |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (PM-QPSK, DH5)              | Bluetooth | 3.28     | ±9.5                   |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-PSK, DH1)                | Bluetooth | 8.01     | ±9.5                   |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-PSK, DH3)                | Bluetooth | 4.77     | ±9.5                   |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (8-PSK, DH5)                | Bluetooth | 4.10     | ±9.5                   |
| 10039 | CAB | CDMA2000 (1xRTT, RC1)                               | CDMA2000  | 4.57     | ±9.5                   |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA-FDM, PSK, 4-PSK, Fullrate) | AMPS      | 2.38     | ±9.5                   |
| 10044 | CAA | IS-91/IS-136 FDD (TDMA-FDM, PSK)                    | AMPS      | 0.00     | ±9.5                   |
| 10048 | CAA | DECT FDD (TDMA-FDM, GFSK, Full Slot, 24)            | DECT      | 13.80    | ±9.5                   |
| 10049 | CAA | DECT FDD (TDMA-FDM, GFSK, Double Slot, 12)          | DECT      | 10.79    | ±9.5                   |
| 10056 | CAA | UMTS-FDD (FDD-SCDMA, 1.28 Mbps)                     | U-SCDMA   | 11.01    | ±9.5                   |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)                   | GSM       | 5.52     | ±9.5                   |
| 10059 | CAB | IEEE 802.11a WiFi 5GHz (DSSS, 2 Mbps)               | WLAN      | 2.12     | ±9.5                   |
| 10060 | CAB | IEEE 802.11b WiFi 2.4GHz (DSSS, 5.5 Mbps)           | WLAN      | 3.83     | ±9.5                   |
| 10061 | CAB | IEEE 802.11b WiFi 2.4GHz (DSSS, 11 Mbps)            | WLAN      | 3.80     | ±9.5                   |
| 10062 | CAE | IEEE 802.11a WiFi 5GHz (OFDM, 6 Mbps)               | WLAN      | 8.88     | ±9.5                   |
| 10063 | CAE | IEEE 802.11a WiFi 5GHz (OFDM, 9 Mbps)               | WLAN      | 8.83     | ±9.5                   |
| 10064 | CAE | IEEE 802.11a WiFi 5GHz (OFDM, 12 Mbps)              | WLAN      | 9.08     | ±9.5                   |
| 10065 | CAE | IEEE 802.11a WiFi 5GHz (OFDM, 18 Mbps)              | WLAN      | 9.00     | ±9.5                   |
| 10066 | CAE | IEEE 802.11a WiFi 5GHz (OFDM, 24 Mbps)              | WLAN      | 9.20     | ±9.5                   |
| 10067 | CAE | IEEE 802.11a WiFi 5GHz (OFDM, 36 Mbps)              | WLAN      | 10.15    | ±9.5                   |
| 10068 | CAE | IEEE 802.11a WiFi 5GHz (OFDM, 48 Mbps)              | WLAN      | 10.24    | ±9.5                   |
| 10069 | CAB | IEEE 802.11a WiFi 5GHz (OFDM, 54 Mbps)              | WLAN      | 10.06    | ±9.5                   |
| 10071 | CAB | IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 6 Mbps)        | WLAN      | 3.83     | ±9.5                   |
| 10072 | CAB | IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 12 Mbps)       | WLAN      | 3.82     | ±9.5                   |
| 10073 | CAB | IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 18 Mbps)       | WLAN      | 3.94     | ±9.5                   |
| 10074 | CAB | IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 24 Mbps)       | WLAN      | 13.30    | ±9.5                   |
| 10075 | CAB | IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 36 Mbps)       | WLAN      | 13.77    | ±9.5                   |
| 10076 | CAB | IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 48 Mbps)       | WLAN      | 13.88    | ±9.5                   |
| 10077 | CAB | IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 54 Mbps)       | WLAN      | 11.00    | ±9.5                   |
| 10081 | CAB | CDMA2000 (1xRTT, RC3)                               | CDMA2000  | 3.81     | ±9.5                   |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMA-FDM, PSK, 4-PSK, Fullrate) | AMPS      | 4.77     | ±9.5                   |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4)                       | GSM       | 8.56     | ±9.5                   |
| 10097 | CAC | UMTS-FDD (HSPA, Subtype 2)                          | WCDMA     | 3.88     | ±9.5                   |
| 10098 | CAC | UMTS-FDD (HSPA, Subtype 2)                          | WCDMA     | 3.98     | ±9.5                   |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4)                       | GSM       | 8.55     | ±9.5                   |
| 10100 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | LTE-FDD   | 5.67     | ±9.5                   |
| 10101 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | LTE-FDD   | 6.42     | ±9.5                   |
| 10102 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | LTE-FDD   | 6.60     | ±9.5                   |
| 10103 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | LTE-FDD   | 9.29     | ±9.5                   |
| 10104 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | LTE-FDD   | 9.37     | ±9.5                   |
| 10105 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | LTE-FDD   | 10.01    | ±9.5                   |
| 10108 | CAN | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)            | LTE-FDD   | 5.80     | ±9.5                   |
| 10109 | CAN | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)          | LTE-FDD   | 8.43     | ±9.5                   |
| 10110 | CAN | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)             | LTE-FDD   | 5.75     | ±9.5                   |
| 10111 | CAN | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)           | LTE-FDD   | 6.44     | ±9.5                   |

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| IRD   | Rev | Communication System Name                      | Group   | PAR (dB) | Unc <sup>6</sup> k = 2 |
|-------|-----|------------------------------------------------|---------|----------|------------------------|
| 10112 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 54-QAM)     | LTE-FDD | 6.58     | +3.8                   |
| 10113 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 54-QAM)      | LTE-FDD | 6.62     | +3.8                   |
| 10114 | CAF | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)  | WLAN    | 8.16     | +3.8                   |
| 10115 | CAF | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)  | WLAN    | 8.46     | +3.8                   |
| 10116 | CAF | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN    | 8.76     | +3.8                   |
| 10117 | CAF | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)       | WLAN    | 8.07     | +3.8                   |
| 10118 | CAF | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)       | WLAN    | 8.59     | +3.8                   |
| 10119 | CAF | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)      | WLAN    | 9.13     | +3.8                   |
| 10140 | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)     | LTE-FDD | 5.49     | +3.8                   |
| 10141 | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)     | LTE-FDD | 5.50     | +3.8                   |
| 10142 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)        | LTE-FDD | 5.70     | +3.8                   |
| 10143 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)      | LTE-FDD | 6.35     | +3.8                   |
| 10144 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)      | LTE-FDD | 6.55     | +3.8                   |
| 10145 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)      | LTE-FDD | 5.78     | +3.8                   |
| 10146 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)    | LTE-FDD | 6.41     | +3.8                   |
| 10147 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)    | LTE-FDD | 6.72     | +3.8                   |
| 10148 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)      | LTE-FDD | 6.43     | +3.8                   |
| 10150 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)      | LTE-FDD | 6.60     | +3.8                   |
| 10151 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)        | LTE-TDD | 5.78     | +3.8                   |
| 10152 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)      | LTE-TDD | 5.82     | +3.8                   |
| 10153 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)      | LTE-TDD | 10.00    | +3.8                   |
| 10154 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)        | LTE-FDD | 5.75     | +3.8                   |
| 10155 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)      | LTE-FDD | 5.43     | +3.8                   |
| 10156 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         | LTE-FDD | 5.75     | +3.8                   |
| 10157 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)       | LTE-FDD | 5.40     | +3.8                   |
| 10158 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)      | LTE-FDD | 6.52     | +3.8                   |
| 10159 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)       | LTE-FDD | 6.56     | +3.8                   |
| 10160 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)        | LTE-FDD | 5.82     | +3.8                   |
| 10161 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)      | LTE-FDD | 6.43     | +3.8                   |
| 10162 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)      | LTE-FDD | 6.59     | +3.8                   |
| 10163 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)       | LTE-FDD | 5.46     | +3.8                   |
| 10167 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)     | LTE-FDD | 6.21     | +3.8                   |
| 10168 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)     | LTE-FDD | 6.79     | +3.8                   |
| 10169 | CAH | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)          | LTE-FDD | 5.79     | +3.8                   |
| 10170 | CAH | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)        | LTE-FDD | 6.52     | +3.8                   |
| 10171 | CAH | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)        | LTE-FDD | 6.46     | +3.8                   |
| 10172 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)          | LTE-TDD | 5.21     | +3.8                   |
| 10173 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)        | LTE-TDD | 5.46     | +3.8                   |
| 10174 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)        | LTE-TDD | 10.25    | +3.8                   |
| 10175 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)          | LTE-FDD | 5.72     | +3.8                   |
| 10176 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)        | LTE-FDD | 5.52     | +3.8                   |
| 10177 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)           | LTE-FDD | 5.73     | +3.8                   |
| 10178 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         | LTE-FDD | 5.52     | +3.8                   |
| 10179 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)        | LTE-FDD | 6.50     | +3.8                   |
| 10180 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         | LTE-FDD | 6.50     | +3.8                   |
| 10181 | CAF | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)          | LTE-FDD | 6.72     | +3.8                   |
| 10182 | CAF | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)        | LTE-FDD | 6.52     | +3.8                   |
| 10183 | AAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)        | LTE-FDD | 6.50     | +3.8                   |
| 10184 | CAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)           | LTE-FDD | 5.73     | +3.8                   |
| 10185 | CAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         | LTE-FDD | 6.51     | +3.8                   |
| 10186 | AAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         | LTE-FDD | 6.50     | +3.8                   |
| 10187 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         | LTE-FDD | 5.78     | +3.8                   |
| 10188 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)       | LTE-FDD | 6.32     | +3.8                   |
| 10189 | AAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)       | LTE-FDD | 6.50     | +3.8                   |
| 10193 | CAG | IEEE 802.11n (HT Greenfield, 5.5 Mbps, BPSK)   | WLAN    | 5.09     | +3.8                   |
| 10194 | CAG | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)  | WLAN    | 5.12     | +3.8                   |
| 10195 | CAG | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)  | WLAN    | 8.21     | +3.8                   |
| 10196 | CAF | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)        | WLAN    | 5.10     | +3.8                   |
| 10197 | CAG | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)       | WLAN    | 5.13     | +3.8                   |
| 10198 | CAG | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)       | WLAN    | 8.27     | +3.8                   |
| 10219 | CAG | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)        | WLAN    | 5.03     | +3.8                   |
| 10220 | CAG | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)     | WLAN    | 8.13     | +3.8                   |
| 10221 | CAG | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)     | WLAN    | 8.27     | +3.8                   |
| 10222 | CAG | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)         | WLAN    | 5.06     | +3.8                   |
| 10223 | CAG | IEEE 802.11n (HT Mixed, 30 Mbps, 16-QAM)       | WLAN    | 5.10     | +3.8                   |
| 10224 | CAF | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)      | WLAN    | 8.00     | +3.8                   |



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| UID   | Rev | Communication System Name                                         | Group    | PAR (dB) | Unc <sup>B</sup> R = 2 |
|-------|-----|-------------------------------------------------------------------|----------|----------|------------------------|
| 10225 | CAC | UMTS-FDD (HSPA+)                                                  | WCDMA    | 5.97     | +9.8                   |
| 10226 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)                           | LTE-TDD  | 8.49     | +9.6                   |
| 10227 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)                           | LTE-TDD  | 10.28    | +9.6                   |
| 10228 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)                             | LTE-TDD  | 9.22     | +9.6                   |
| 10229 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)                             | LTE-TDD  | 9.40     | +9.6                   |
| 10230 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)                             | LTE-TDD  | 10.25    | +9.6                   |
| 10231 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK)                               | LTE-TDD  | 9.19     | +9.6                   |
| 10232 | CAH | LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)                             | LTE-TDD  | 9.49     | +9.6                   |
| 10233 | CAH | LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)                             | LTE-TDD  | 10.20    | +9.6                   |
| 10234 | CAH | LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK)                               | LTE-TDD  | 9.21     | +9.6                   |
| 10235 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10MHz, 16-QAM)                            | LTE-TDD  | 9.48     | +9.6                   |
| 10236 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)                            | LTE-TDD  | 10.25    | +9.6                   |
| 10237 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10MHz, QPSK)                              | LTE-TDD  | 9.21     | +9.6                   |
| 10238 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)                            | LTE-TDD  | 9.48     | +9.6                   |
| 10239 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)                            | LTE-TDD  | 10.25    | +9.6                   |
| 10240 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK)                              | LTE-TDD  | 9.27     | +9.6                   |
| 10241 | CAG | LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM)                         | LTE-TDD  | 9.82     | +9.6                   |
| 10242 | CAG | LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM)                         | LTE-TDD  | 9.95     | +9.6                   |
| 10243 | CAG | LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, QPSK)                           | LTE-TDD  | 9.46     | +9.6                   |
| 10244 | CAL | LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)                           | LTE-TDD  | 10.35    | +9.6                   |
| 10245 | CAL | LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM)                           | LTE-TDD  | 10.35    | +9.6                   |
| 10246 | CAL | LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK)                             | LTE-TDD  | 9.30     | +9.6                   |
| 10247 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)                           | LTE-TDD  | 9.91     | +9.6                   |
| 10248 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)                           | LTE-TDD  | 10.69    | +9.6                   |
| 10249 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK)                             | LTE-TDD  | 9.29     | +9.6                   |
| 10250 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10MHz, 16-QAM)                          | LTE-TDD  | 9.91     | +9.6                   |
| 10251 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10MHz, 64-QAM)                          | LTE-TDD  | 10.77    | +9.6                   |
| 10252 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10MHz, QPSK)                            | LTE-TDD  | 9.21     | +9.6                   |
| 10253 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)                          | LTE-TDD  | 9.90     | +9.6                   |
| 10254 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-QAM)                          | LTE-TDD  | 10.14    | +9.6                   |
| 10255 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK)                            | LTE-TDD  | 9.20     | +9.6                   |
| 10256 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM)                        | LTE-TDD  | 9.95     | +9.6                   |
| 10257 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM)                        | LTE-TDD  | 10.98    | +9.6                   |
| 10258 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)                          | LTE-TDD  | 9.54     | +9.6                   |
| 10259 | CAL | LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)                          | LTE-TDD  | 9.98     | +9.6                   |
| 10260 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM)                          | LTE-TDD  | 9.97     | +9.6                   |
| 10261 | CAL | LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK)                            | LTE-TDD  | 9.21     | +9.6                   |
| 10262 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)                          | LTE-TDD  | 9.93     | +9.6                   |
| 10263 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)                          | LTE-TDD  | 10.16    | +9.6                   |
| 10264 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK)                            | LTE-TDD  | 9.29     | +9.6                   |
| 10265 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM)                         | LTE-TDD  | 9.92     | +9.6                   |
| 10266 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-QAM)                         | LTE-TDD  | 10.07    | +9.6                   |
| 10267 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10MHz, QPSK)                           | LTE-TDD  | 9.30     | +9.6                   |
| 10268 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)                         | LTE-TDD  | 10.06    | +9.6                   |
| 10269 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)                         | LTE-TDD  | 10.15    | +9.6                   |
| 10270 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK)                           | LTE-TDD  | 9.59     | +9.6                   |
| 10271 | CAC | UMTS-FDD (HSPA, S-Access 5, 3GPP Rel9.10)                         | WCDMA    | 4.87     | +9.6                   |
| 10272 | CAC | UMTS-FDD (HSPA, S-Access 5, 3GPP Rel9.14)                         | WCDMA    | 3.90     | +9.6                   |
| 10273 | CAC | PHS (QPSK)                                                        | PHS      | 11.51    | +9.6                   |
| 10274 | CAC | PHS (QPSK, BW 284MHz, Roll-off 0.5)                               | PHS      | 11.01    | +9.6                   |
| 10275 | CAC | PHS (QPSK, BW 284MHz, Roll-off 0.35)                              | PHS      | 12.15    | +9.6                   |
| 10280 | AAB | CDMA2000, RC1, SOS, Full Rate                                     | CDMA2000 | 3.91     | +9.6                   |
| 10281 | AAB | CDMA2000, RC1, SOS, Full Rate                                     | CDMA2000 | 3.46     | +9.6                   |
| 10282 | AAB | CDMA2000, RC1, SOS, Full Rate                                     | CDMA2000 | 3.93     | +9.6                   |
| 10283 | AAB | CDMA2000, RC1, SOS, Full Rate                                     | CDMA2000 | 3.50     | +9.6                   |
| 10284 | AAB | CDMA2000, RC1, SOS, Full Rate 25%                                 | CDMA2000 | 12.49    | +9.6                   |
| 10285 | AAB | LTE-FDD (SC-FDMA, 50% RB, 3MHz, QPSK)                             | LTE-FDD  | 5.01     | +9.6                   |
| 10286 | AAB | LTE-FDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)                           | LTE-FDD  | 5.72     | +9.6                   |
| 10287 | AAB | LTE-FDD (SC-FDMA, 50% RB, 3MHz, 64-QAM)                           | LTE-FDD  | 6.09     | +9.6                   |
| 10300 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3MHz, 64-QAM)                           | LTE-FDD  | 6.60     | +9.6                   |
| 10301 | AAA | IEEE 802.11a WMAX (20:15, 5ms, 10MHz, QPSK, PUSC)                 | WMAX     | 12.03    | +9.6                   |
| 10302 | AAA | IEEE 802.11a WMAX (20:15, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols) | WMAX     | 12.57    | +9.6                   |
| 10303 | AAA | IEEE 802.11a WMAX (21:15, 5ms, 10MHz, 64QAM, PUSC)                | WMAX     | 12.58    | +9.6                   |
| 10304 | AAA | IEEE 802.11a WMAX (20:15, 5ms, 10MHz, 64QAM, PUSC)                | WMAX     | 11.90    | +9.6                   |
| 10305 | AAA | IEEE 802.11a WMAX (21:15, 10ms, 10MHz, 64QAM, PUSC, 12 symbols)   | WMAX     | 13.24    | +9.6                   |
| 10306 | AAA | IEEE 802.11a WMAX (20:15, 10ms, 10MHz, 64QAM, PUSC, 12 symbols)   | WMAX     | 11.67    | +9.6                   |

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| UID   | Rev | Communication System Name                                                      | Group    | PAR (dB) | Unc <sup>k</sup> k = 2 |
|-------|-----|--------------------------------------------------------------------------------|----------|----------|------------------------|
| 10297 | AAA | IEEE 802.11e WIMAX (28 18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)              | WIMAX    | 14.49    | -9.5                   |
| 10300 | AAA | IEEE 802.11e WIMAX (28 18, 10 ms, 10 MHz, 16QAM, PUSC)                         | WIMAX    | 14.46    | -9.5                   |
| 10303 | AAA | IEEE 802.11e WIMAX (28 18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)          | WIMAX    | 14.58    | -9.5                   |
| 10310 | AAA | IEEE 802.11e WIMAX (28 18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)           | WIMAX    | 14.57    | -9.5                   |
| 10311 | AAE | LT-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16QAM, 15 MHz, QPSK)                           | LT-FDD   | 8.06     | -9.5                   |
| 10313 | AAA | TDEN 13                                                                        | TDEN     | 10.51    | -9.5                   |
| 10314 | AAA | TDEN 15                                                                        | TDEN     | 13.48    | -9.5                   |
| 10315 | AAE | IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99% duty cycle)                       | WiFi     | 7.1      | -9.5                   |
| 10316 | AAE | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99% duty cycle)                   | WiFi     | 8.36     | -9.5                   |
| 10317 | AAE | IEEE 802.11g WiFi 5 GHz (OFDM, 6 Mbps, 99% duty cycle)                         | WiFi     | 8.36     | -9.5                   |
| 10352 | AAA | Pulse Waveform (200Hz, 10%)                                                    | Generic  | 10.00    | -9.5                   |
| 10353 | AAA | Pulse Waveform (200Hz, 20%)                                                    | Generic  | 9.96     | -9.5                   |
| 10354 | AAA | Pulse Waveform (200Hz, 40%)                                                    | Generic  | 9.86     | -9.5                   |
| 10355 | AAA | Pulse Waveform (200Hz, 60%)                                                    | Generic  | 9.72     | -9.5                   |
| 10356 | AAA | Pulse Waveform (200Hz, 80%)                                                    | Generic  | 9.57     | -9.5                   |
| 10387 | AAA | QPSK Waveform, 1 MHz                                                           | Generic  | 5.10     | -9.5                   |
| 10388 | AAA | QPSK Waveform, 10 MHz                                                          | Generic  | 5.22     | -9.5                   |
| 10389 | AAA | 64-QAM Waveform, 100 kHz                                                       | Generic  | 5.27     | -9.5                   |
| 10389 | AAA | 64-QAM Waveform, 40 MHz                                                        | Generic  | 5.27     | -9.5                   |
| 10400 | AAE | IEEE 802.11ac WiFi (20 MHz, 54-QAM, 99% duty cycle)                            | WiFi     | 9.37     | -9.5                   |
| 10401 | AAE | IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99% duty cycle)                            | WiFi     | 9.80     | -9.5                   |
| 10402 | AAE | IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99% duty cycle)                            | WiFi     | 9.53     | -9.5                   |
| 10403 | AAE | CDMA2000 1X-EV-DO, Rev. 3                                                      | CDMA2000 | 3.76     | -9.5                   |
| 10404 | AAE | CDMA2000 1X-EV-DO, Rev. A                                                      | CDMA2000 | 3.77     | -9.5                   |
| 10406 | AAE | CDMA2000 3G3 3G32 SCH, Full Rate                                               | CDMA2000 | 5.22     | -9.5                   |
| 10410 | AAE | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe=0,1,6) | LTE-TDD  | 7.82     | -9.5                   |
| 10414 | AAA | WLAN CDFE 84-QAM, 40 MHz                                                       | Generic  | 8.54     | -9.5                   |
| 10415 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99% duty cycle)                       | WiFi     | 7.54     | -9.5                   |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99% duty cycle)                   | WiFi     | 8.25     | -9.5                   |
| 10417 | AAE | IEEE 802.11ah WiFi 5 GHz (OFDM, 6 Mbps, 99% duty cycle)                        | WiFi     | 8.25     | -9.5                   |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99% duty cycle, Long preamble)   | WiFi     | 8.14     | -9.5                   |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99% duty cycle, Short preamble)  | WiFi     | 8.19     | -9.5                   |
| 10422 | AAE | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)                                   | WiFi     | 9.02     | -9.5                   |
| 10423 | AAE | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)                                | WiFi     | 9.47     | -9.5                   |
| 10424 | AAE | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)                                | WiFi     | 9.40     | -9.5                   |
| 10425 | AAE | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                                    | WiFi     | 8.41     | -9.5                   |
| 10426 | AAE | IEEE 802.11n (HT Greenfield, 50 Mbps, 16-QAM)                                  | WiFi     | 8.45     | -9.5                   |
| 10427 | AAE | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)                                 | WiFi     | 8.41     | -9.5                   |
| 10430 | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                                               | LTE-FDD  | 8.28     | -9.5                   |
| 10431 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                                              | LTE-FDD  | 8.58     | -9.5                   |
| 10432 | AAE | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                                              | LTE-FDD  | 8.54     | -9.5                   |
| 10433 | AAE | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                                              | LTE-FDD  | 8.54     | -9.5                   |
| 10434 | AAE | W-CDMA (BS Test Model 1, 64 QPSK)                                              | WCDMA    | 8.00     | -9.5                   |
| 10435 | AAE | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD  | 7.82     | -9.5                   |
| 10447 | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)                                 | LTE-FDD  | 7.50     | -9.5                   |
| 10448 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)                                | LTE-FDD  | 7.53     | -9.5                   |
| 10449 | AAE | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)                                | LTE-FDD  | 7.51     | -9.5                   |
| 10450 | AAE | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)                                | LTE-FDD  | 7.48     | -9.5                   |
| 10451 | AAE | W-CDMA (BS Test Model 1, 64 QPSK, Clipping 44%)                                | WCDMA    | 7.50     | -9.5                   |
| 10453 | AAE | Validation (Square, 10 ms, 1 ms)                                               | Test     | 10.00    | -9.5                   |
| 10456 | AAE | IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99% duty cycle)                           | WiFi     | 8.63     | -9.5                   |
| 10457 | AAE | UMTS FDD (DS-SS-SSS)                                                           | WCDMA    | 8.60     | -9.5                   |
| 10458 | AAA | CDMA2000 1xEV-DO, Rev. E, 3 carriers                                           | CDMA2000 | 8.55     | -9.5                   |
| 10459 | AAA | CDMA2000 1xEV-DO, Rev. E, 3 carriers                                           | CDMA2000 | 8.25     | -9.5                   |
| 10460 | AAE | UMTS FDD (WCDMA, AMR)                                                          | WCDMA    | 8.38     | -9.5                   |
| 10461 | AAE | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 7.82     | -9.5                   |
| 10462 | AAE | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)              | LTE-TDD  | 8.00     | -9.5                   |
| 10463 | AAE | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)              | LTE-TDD  | 8.56     | -9.5                   |
| 10464 | AAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 7.82     | -9.5                   |
| 10465 | AAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 8.02     | -9.5                   |
| 10466 | AAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 8.57     | -9.5                   |
| 10467 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD  | 7.82     | -9.5                   |
| 10468 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 8.32     | -9.5                   |
| 10469 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD  | 8.56     | -9.5                   |
| 10470 | AAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                 | LTE-FDD  | 7.82     | -9.5                   |
| 10471 | AAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)               | LTE-FDD  | 8.32     | -9.5                   |

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| UID   | Rev | Communication System Name                                            | Group   | PAR (dB) | Unc <sup>F</sup> k=2 |
|-------|-----|----------------------------------------------------------------------|---------|----------|----------------------|
| 10472 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | ±9.6                 |
| 10473 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)       | LTE-TDD | 7.92     | ±9.6                 |
| 10474 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.32     | ±9.6                 |
| 10475 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | ±9.6                 |
| 10477 | AAQ | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.32     | ±9.6                 |
| 10478 | AAQ | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 8.57     | ±9.6                 |
| 10479 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | ±9.6                 |
| 10480 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.18     | ±9.6                 |
| 10481 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.45     | ±9.6                 |
| 10482 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)      | LTE-TDD | 7.74     | ±9.6                 |
| 10483 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.39     | ±9.6                 |
| 10484 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.47     | ±9.6                 |
| 10485 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)      | LTE-TDD | 7.50     | ±9.6                 |
| 10486 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.38     | ±9.6                 |
| 10487 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 8.50     | ±9.6                 |
| 10488 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.70     | ±9.6                 |
| 10489 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.31     | ±9.6                 |
| 10490 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | ±9.6                 |
| 10491 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.74     | ±9.6                 |
| 10492 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.61     | ±9.6                 |
| 10493 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.55     | ±9.6                 |
| 10494 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.97     | ±9.6                 |
| 10495 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.74     | ±9.6                 |
| 10496 | AAQ | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | ±9.6                 |
| 10497 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 7.67     | ±9.6                 |
| 10498 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.40     | ±9.6                 |
| 10499 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.00     | ±9.6                 |
| 10500 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.67     | ±9.6                 |
| 10501 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.44     | ±9.6                 |
| 10502 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.52     | ±9.6                 |
| 10503 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | LTE-TDD | 7.72     | ±9.6                 |
| 10504 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.31     | ±9.6                 |
| 10505 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.54     | ±9.6                 |
| 10506 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | ±9.6                 |
| 10507 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.34     | ±9.6                 |
| 10508 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.55     | ±9.6                 |
| 10509 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.79     | ±9.6                 |
| 10510 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.49     | ±9.6                 |
| 10511 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.51     | ±9.6                 |
| 10512 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | LTE-TDD | 7.74     | ±9.6                 |
| 10513 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.48     | ±9.6                 |
| 10514 | AAQ | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.45     | ±9.6                 |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99% duty cycle)             | WLAN    | 1.58     | ±9.6                 |
| 10516 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99% duty cycle)           | WLAN    | 1.57     | ±9.6                 |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99% duty cycle)            | WLAN    | 1.55     | ±9.6                 |
| 10518 | AAQ | IEEE 802.11ah WiFi 5 GHz (OFDM, 3 Mbps, 99% duty cycle)              | WLAN    | 6.29     | ±9.6                 |
| 10519 | AAQ | IEEE 802.11ah WiFi 5 GHz (OFDM, 12 Mbps, 99% duty cycle)             | WLAN    | 6.50     | ±9.6                 |
| 10520 | AAQ | IEEE 802.11ah WiFi 5 GHz (OFDM, 18 Mbps, 99% duty cycle)             | WLAN    | 6.12     | ±9.6                 |
| 10521 | AAQ | IEEE 802.11ah WiFi 5 GHz (OFDM, 24 Mbps, 99% duty cycle)             | WLAN    | 7.97     | ±9.6                 |
| 10522 | AAQ | IEEE 802.11ah WiFi 5 GHz (OFDM, 36 Mbps, 99% duty cycle)             | WLAN    | 6.45     | ±9.6                 |
| 10523 | AAQ | IEEE 802.11ah WiFi 5 GHz (OFDM, 48 Mbps, 99% duty cycle)             | WLAN    | 9.08     | ±9.6                 |
| 10524 | AAQ | IEEE 802.11ah WiFi 5 GHz (OFDM, 54 Mbps, 99% duty cycle)             | WLAN    | 8.25     | ±9.6                 |
| 10525 | AAQ | IEEE 802.11ac WiFi (20 MHz, MCS9, 99% duty cycle)                    | WLAN    | 9.38     | ±9.6                 |
| 10526 | AAQ | IEEE 802.11ac WiFi (20 MHz, MCS1, 99% duty cycle)                    | WLAN    | 8.42     | ±9.6                 |
| 10527 | AAQ | IEEE 802.11ac WiFi (20 MHz, MCS2, 99% duty cycle)                    | WLAN    | 8.21     | ±9.6                 |
| 10528 | AAQ | IEEE 802.11ac WiFi (20 MHz, MCS3, 99% duty cycle)                    | WLAN    | 9.38     | ±9.6                 |
| 10529 | AAQ | IEEE 802.11ac WiFi (20 MHz, MCS4, 99% duty cycle)                    | WLAN    | 9.36     | ±9.6                 |
| 10530 | AAQ | IEEE 802.11ac WiFi (20 MHz, MCS5, 99% duty cycle)                    | WLAN    | 9.43     | ±9.6                 |
| 10531 | AAQ | IEEE 802.11ac WiFi (20 MHz, MCS6, 99% duty cycle)                    | WLAN    | 9.43     | ±9.6                 |
| 10532 | AAQ | IEEE 802.11ac WiFi (20 MHz, MCS7, 99% duty cycle)                    | WLAN    | 9.28     | ±9.6                 |
| 10533 | AAQ | IEEE 802.11ac WiFi (20 MHz, MCS8, 99% duty cycle)                    | WLAN    | 9.38     | ±9.6                 |
| 10534 | AAQ | IEEE 802.11ac WiFi (40 MHz, MCS0, 99% duty cycle)                    | WLAN    | 8.45     | ±9.6                 |
| 10535 | AAQ | IEEE 802.11ac WiFi (40 MHz, MCS1, 99% duty cycle)                    | WLAN    | 8.45     | ±9.6                 |
| 10536 | AAQ | IEEE 802.11ac WiFi (40 MHz, MCS2, 99% duty cycle)                    | WLAN    | 8.32     | ±9.6                 |
| 10537 | AAQ | IEEE 802.11ac WiFi (40 MHz, MCS3, 99% duty cycle)                    | WLAN    | 8.44     | ±9.6                 |
| 10538 | AAQ | IEEE 802.11ac WiFi (40 MHz, MCS4, 99% duty cycle)                    | WLAN    | 8.54     | ±9.6                 |
| 10539 | AAQ | IEEE 802.11ac WiFi (40 MHz, MCS5, 99% duty cycle)                    | WLAN    | 8.59     | ±9.6                 |



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| ID#   | Rev | Communication System Name                                      | Group | PAR (dB) | Unc <sup>1</sup> k = 2 |
|-------|-----|----------------------------------------------------------------|-------|----------|------------------------|
| 10541 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS7, 80ps duty cycle)             | WLAN  | 8.46     | -9.8                   |
| 10542 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS8, 90ps duty cycle)             | WLAN  | 8.66     | -9.6                   |
| 10543 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS8, 80ps duty cycle)             | WLAN  | 8.68     | -9.8                   |
| 10544 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS8, 80ps duty cycle)             | WLAN  | 8.47     | -9.8                   |
| 10545 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 90ps duty cycle)             | WLAN  | 8.55     | -9.8                   |
| 10546 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 80ps duty cycle)             | WLAN  | 8.35     | -9.8                   |
| 10547 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 80ps duty cycle)             | WLAN  | 8.49     | -9.8                   |
| 10548 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 80ps duty cycle)             | WLAN  | 8.37     | -9.8                   |
| 10550 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 80ps duty cycle)             | WLAN  | 8.38     | -9.8                   |
| 10551 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 80ps duty cycle)             | WLAN  | 8.50     | -9.8                   |
| 10552 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 80ps duty cycle)             | WLAN  | 8.42     | -9.8                   |
| 10553 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 80ps duty cycle)             | WLAN  | 8.45     | -9.8                   |
| 10554 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle)            | WLAN  | 8.48     | -9.8                   |
| 10555 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle)            | WLAN  | 8.47     | -9.8                   |
| 10556 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle)            | WLAN  | 8.50     | -9.8                   |
| 10557 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle)            | WLAN  | 8.52     | -9.8                   |
| 10558 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle)            | WLAN  | 8.51     | -9.8                   |
| 10559 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle)            | WLAN  | 8.73     | -9.8                   |
| 10560 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle)            | WLAN  | 8.73     | -9.8                   |
| 10561 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle)            | WLAN  | 8.55     | -9.8                   |
| 10562 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle)            | WLAN  | 8.59     | -9.8                   |
| 10563 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle)            | WLAN  | 8.77     | -9.8                   |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9Mbps, 80ps duty cycle)  | WLAN  | 8.25     | -9.8                   |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12Mbps, 80ps duty cycle) | WLAN  | 8.46     | -9.8                   |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18Mbps, 80ps duty cycle) | WLAN  | 8.13     | -9.8                   |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24Mbps, 80ps duty cycle) | WLAN  | 8.00     | -9.8                   |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36Mbps, 80ps duty cycle) | WLAN  | 8.37     | -9.8                   |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48Mbps, 80ps duty cycle) | WLAN  | 8.10     | -9.8                   |
| 10570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54Mbps, 80ps duty cycle) | WLAN  | 8.30     | -9.8                   |
| 10571 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 1Mbps, 80ps duty cycle)  | WLAN  | 7.98     | -9.8                   |
| 10572 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 2Mbps, 80ps duty cycle)  | WLAN  | 7.88     | -9.8                   |
| 10573 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 3Mbps, 80ps duty cycle)  | WLAN  | 7.98     | -9.8                   |
| 10574 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 4Mbps, 80ps duty cycle)  | WLAN  | 7.98     | -9.8                   |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 5Mbps, 80ps duty cycle)  | WLAN  | 8.59     | -9.8                   |
| 10576 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6Mbps, 80ps duty cycle)  | WLAN  | 8.60     | -9.8                   |
| 10577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 7Mbps, 80ps duty cycle)  | WLAN  | 8.70     | -9.8                   |
| 10578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 8Mbps, 80ps duty cycle)  | WLAN  | 8.49     | -9.8                   |
| 10579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9Mbps, 80ps duty cycle)  | WLAN  | 8.38     | -9.8                   |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 10Mbps, 80ps duty cycle) | WLAN  | 8.78     | -9.8                   |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 11Mbps, 80ps duty cycle) | WLAN  | 8.35     | -9.8                   |
| 10582 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12Mbps, 80ps duty cycle) | WLAN  | 8.87     | -9.8                   |
| 10583 | AAD | IEEE 802.11n WiFi 5 GHz (OFDM, 6Mbps, 80ps duty cycle)         | WLAN  | 8.58     | -9.8                   |
| 10584 | AAD | IEEE 802.11n WiFi 5 GHz (OFDM, 9Mbps, 80ps duty cycle)         | WLAN  | 8.60     | -9.8                   |
| 10585 | AAD | IEEE 802.11n WiFi 5 GHz (OFDM, 12Mbps, 80ps duty cycle)        | WLAN  | 8.70     | -9.8                   |
| 10586 | AAD | IEEE 802.11n WiFi 5 GHz (OFDM, 18Mbps, 80ps duty cycle)        | WLAN  | 8.49     | -9.8                   |
| 10587 | AAD | IEEE 802.11n WiFi 5 GHz (OFDM, 24Mbps, 80ps duty cycle)        | WLAN  | 8.38     | -9.8                   |
| 10588 | AAD | IEEE 802.11n WiFi 5 GHz (OFDM, 36Mbps, 80ps duty cycle)        | WLAN  | 8.76     | -9.8                   |
| 10589 | AAD | IEEE 802.11n WiFi 5 GHz (OFDM, 48Mbps, 80ps duty cycle)        | WLAN  | 8.35     | -9.8                   |
| 10590 | AAD | IEEE 802.11n WiFi 5 GHz (OFDM, 54Mbps, 80ps duty cycle)        | WLAN  | 8.67     | -9.8                   |
| 10591 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS0, 80ps duty cycle)           | WLAN  | 8.63     | -9.8                   |
| 10592 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS1, 80ps duty cycle)           | WLAN  | 8.79     | -9.8                   |
| 10593 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS2, 80ps duty cycle)           | WLAN  | 8.54     | -9.8                   |
| 10594 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS3, 80ps duty cycle)           | WLAN  | 8.74     | -9.8                   |
| 10595 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS4, 80ps duty cycle)           | WLAN  | 8.71     | -9.8                   |
| 10596 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS5, 80ps duty cycle)           | WLAN  | 8.72     | -9.8                   |
| 10597 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS6, 80ps duty cycle)           | WLAN  | 8.50     | -9.8                   |
| 10598 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS7, 80ps duty cycle)           | WLAN  | 8.79     | -9.8                   |
| 10599 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS8, 80ps duty cycle)           | WLAN  | 8.88     | -9.8                   |
| 10600 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS9, 80ps duty cycle)           | WLAN  | 8.84     | -9.8                   |
| 10601 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS10, 80ps duty cycle)          | WLAN  | 8.94     | -9.8                   |
| 10602 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS11, 80ps duty cycle)          | WLAN  | 8.78     | -9.8                   |
| 10603 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS12, 80ps duty cycle)          | WLAN  | 8.97     | -9.8                   |
| 10604 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS13, 80ps duty cycle)          | WLAN  | 8.62     | -9.8                   |
| 10605 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS14, 80ps duty cycle)          | WLAN  | 8.82     | -9.8                   |
| 10606 | AAD | IEEE 802.11n HT Mixed, 20MHz, MCS15, 80ps duty cycle)          | WLAN  | 8.81     | -9.8                   |
| 10607 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS0, 80ps duty cycle)             | WLAN  | 8.77     | -9.8                   |
| 10608 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS1, 80ps duty cycle)             | WLAN  | 8.77     | -9.8                   |

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| UID   | Rev | Communication System Name                            | Group     | PAR (dB) | Unw <sup>E</sup> K + 2 |
|-------|-----|------------------------------------------------------|-----------|----------|------------------------|
| 10609 | AAD | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)    | WLAN      | 8.53     | ±0.5                   |
| 10610 | AAD | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)    | WLAN      | 8.78     | ±0.5                   |
| 10611 | AAD | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)    | WLAN      | 8.70     | ±0.5                   |
| 10612 | AAD | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)    | WLAN      | 8.77     | ±0.5                   |
| 10613 | AAD | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)    | WLAN      | 8.94     | ±0.5                   |
| 10614 | AAD | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)    | WLAN      | 8.59     | ±0.5                   |
| 10615 | AAD | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)    | WLAN      | 8.82     | ±0.5                   |
| 10616 | AAD | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)    | WLAN      | 8.82     | ±0.5                   |
| 10617 | AAD | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)    | WLAN      | 8.81     | ±0.5                   |
| 10618 | AAD | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)    | WLAN      | 8.58     | ±0.5                   |
| 10619 | AAD | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)    | WLAN      | 8.88     | ±0.5                   |
| 10620 | AAD | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)    | WLAN      | 8.87     | ±0.5                   |
| 10621 | AAD | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)    | WLAN      | 8.77     | ±0.5                   |
| 10622 | AAD | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)    | WLAN      | 8.88     | ±0.5                   |
| 10623 | AAD | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)    | WLAN      | 9.02     | ±0.5                   |
| 10624 | AAD | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)    | WLAN      | 8.90     | ±0.5                   |
| 10625 | AAD | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)    | WLAN      | 8.96     | ±0.5                   |
| 10626 | AAD | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)    | WLAN      | 8.88     | ±0.5                   |
| 10627 | AAD | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)    | WLAN      | 8.88     | ±0.5                   |
| 10628 | AAD | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)    | WLAN      | 8.71     | ±0.5                   |
| 10629 | AAD | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)    | WLAN      | 8.85     | ±0.5                   |
| 10630 | AAD | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)    | WLAN      | 8.72     | ±0.5                   |
| 10631 | AAD | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)    | WLAN      | 8.81     | ±0.5                   |
| 10632 | AAD | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)    | WLAN      | 8.74     | ±0.5                   |
| 10633 | AAD | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)    | WLAN      | 8.83     | ±0.5                   |
| 10634 | AAD | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)    | WLAN      | 8.80     | ±0.5                   |
| 10635 | AAD | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)    | WLAN      | 8.81     | ±0.5                   |
| 10636 | AAD | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)   | WLAN      | 8.89     | ±0.5                   |
| 10637 | AAD | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)   | WLAN      | 8.79     | ±0.5                   |
| 10638 | AAD | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)   | WLAN      | 8.86     | ±0.5                   |
| 10639 | AAD | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   | WLAN      | 8.85     | ±0.5                   |
| 10640 | AAD | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)   | WLAN      | 8.56     | ±0.5                   |
| 10641 | AAD | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)   | WLAN      | 8.68     | ±0.5                   |
| 10642 | AAD | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)   | WLAN      | 8.66     | ±0.5                   |
| 10643 | AAD | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)   | WLAN      | 8.69     | ±0.5                   |
| 10644 | AAD | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)   | WLAN      | 8.65     | ±0.5                   |
| 10645 | AAD | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   | WLAN      | 9.11     | ±0.5                   |
| 10646 | AAD | LTE-TDD (FDDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)  | LTE-TDD   | 11.86    | ±0.5                   |
| 10647 | AAD | LTE-TDD (FDDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) | LTE-TDD   | 11.86    | ±0.5                   |
| 10648 | AAD | CDMA2000 (1x Advanced)                               | CDMA2000  | 3.46     | ±0.5                   |
| 10649 | AAD | LTE-TDD (FDDMA, 5 MHz, E-TM 3.1, Clipping 44%)       | LTE-TDD   | 6.81     | ±0.5                   |
| 10650 | AAD | LTE-TDD (FDDMA, 15 MHz, E-TM 3.1, Clipping 44%)      | LTE-TDD   | 7.42     | ±0.5                   |
| 10651 | AAD | LTE-TDD (FDDMA, 20 MHz, E-TM 3.1, Clipping 44%)      | LTE-TDD   | 6.90     | ±0.5                   |
| 10652 | AAD | Pulse Waveform (200Hz, 10%)                          | Test      | 10.00    | ±0.5                   |
| 10653 | AAD | Pulse Waveform (200Hz, 20%)                          | Test      | 9.89     | ±0.5                   |
| 10654 | AAD | Pulse Waveform (200Hz, 40%)                          | Test      | 9.38     | ±0.5                   |
| 10655 | AAD | Pulse Waveform (200Hz, 60%)                          | Test      | 8.22     | ±0.5                   |
| 10656 | AAD | Pulse Waveform (200Hz, 80%)                          | Test      | 7.77     | ±0.5                   |
| 10657 | AAD | Bluetooth Low Energy                                 | Bluetooth | 8.13     | ±0.5                   |
| 10658 | AAD | IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)         | WLAN      | 8.33     | ±0.5                   |
| 10659 | AAD | IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)         | WLAN      | 8.57     | ±0.5                   |
| 10660 | AAD | IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)         | WLAN      | 8.59     | ±0.5                   |
| 10661 | AAD | IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)         | WLAN      | 8.73     | ±0.5                   |
| 10662 | AAD | IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)         | WLAN      | 8.90     | ±0.5                   |
| 10663 | AAD | IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)         | WLAN      | 8.77     | ±0.5                   |
| 10664 | AAD | IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)         | WLAN      | 8.78     | ±0.5                   |
| 10665 | AAD | IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)         | WLAN      | 8.78     | ±0.5                   |
| 10666 | AAD | IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)         | WLAN      | 8.88     | ±0.5                   |
| 10667 | AAD | IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)         | WLAN      | 8.80     | ±0.5                   |
| 10668 | AAD | IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)        | WLAN      | 8.62     | ±0.5                   |
| 10669 | AAD | IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)        | WLAN      | 8.42     | ±0.5                   |
| 10670 | AAD | IEEE 802.11ax (20MHz, MCS12, 90pc duty cycle)        | WLAN      | 8.26     | ±0.5                   |
| 10671 | AAD | IEEE 802.11ax (20MHz, MCS13, 90pc duty cycle)        | WLAN      | 8.33     | ±0.5                   |
| 10672 | AAD | IEEE 802.11ax (20MHz, MCS14, 90pc duty cycle)        | WLAN      | 8.28     | ±0.5                   |

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| UID   | Rev | Communication System Name                      | Group | PAR (dB) | Unc <sup>2</sup> R - 2 |
|-------|-----|------------------------------------------------|-------|----------|------------------------|
| 10587 | AAC | IEEE 802.11ax (30 MHz, MCS4, 90pc duty cycle)  | WLAN  | 8.45     | ±0.6                   |
| 10588 | AAC | IEEE 802.11ax (30 MHz, MCS5, 90pc duty cycle)  | WLAN  | 8.29     | ±0.6                   |
| 10589 | AAC | IEEE 802.11ax (30 MHz, MCS6, 90pc duty cycle)  | WLAN  | 8.55     | ±0.6                   |
| 10590 | AAC | IEEE 802.11ax (30 MHz, MCS7, 90pc duty cycle)  | WLAN  | 8.29     | ±0.6                   |
| 10591 | AAC | IEEE 802.11ax (30 MHz, MCS8, 90pc duty cycle)  | WLAN  | 8.25     | ±0.6                   |
| 10592 | AAC | IEEE 802.11ax (30 MHz, MCS9, 90pc duty cycle)  | WLAN  | 8.28     | ±0.6                   |
| 10593 | AAC | IEEE 802.11ax (30 MHz, MCS10, 90pc duty cycle) | WLAN  | 8.25     | ±0.6                   |
| 10594 | AAC | IEEE 802.11ax (30 MHz, MCS11, 90pc duty cycle) | WLAN  | 8.57     | ±0.6                   |
| 10595 | AAC | IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)  | WLAN  | 8.78     | ±0.6                   |
| 10596 | AAC | IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)  | WLAN  | 8.91     | ±0.6                   |
| 10597 | AAC | IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)  | WLAN  | 8.61     | ±0.6                   |
| 10598 | AAC | IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)  | WLAN  | 8.80     | ±0.6                   |
| 10599 | AAC | IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)  | WLAN  | 8.32     | ±0.6                   |
| 10600 | AAC | IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)  | WLAN  | 8.73     | ±0.6                   |
| 10701 | AAC | IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)  | WLAN  | 8.38     | ±0.6                   |
| 10702 | AAC | IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)  | WLAN  | 8.79     | ±0.6                   |
| 10703 | AAC | IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)  | WLAN  | 8.92     | ±0.6                   |
| 10704 | AAC | IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)  | WLAN  | 8.56     | ±0.6                   |
| 10705 | AAC | IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle) | WLAN  | 8.69     | ±0.6                   |
| 10706 | AAC | IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle) | WLAN  | 8.66     | ±0.6                   |
| 10707 | AAC | IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)  | WLAN  | 8.32     | ±0.6                   |
| 10708 | AAC | IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)  | WLAN  | 8.55     | ±0.6                   |
| 10709 | AAC | IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)  | WLAN  | 8.53     | ±0.6                   |
| 10710 | AAC | IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)  | WLAN  | 8.29     | ±0.6                   |
| 10711 | AAC | IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)  | WLAN  | 8.39     | ±0.6                   |
| 10712 | AAC | IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)  | WLAN  | 8.67     | ±0.6                   |
| 10713 | AAC | IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)  | WLAN  | 8.33     | ±0.6                   |
| 10714 | AAC | IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)  | WLAN  | 8.26     | ±0.6                   |
| 10715 | AAC | IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)  | WLAN  | 8.45     | ±0.6                   |
| 10716 | AAC | IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)  | WLAN  | 8.30     | ±0.6                   |
| 10717 | AAC | IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle) | WLAN  | 8.48     | ±0.6                   |
| 10718 | AAC | IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle) | WLAN  | 8.24     | ±0.6                   |
| 10719 | AAC | IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)  | WLAN  | 8.81     | ±0.6                   |
| 10720 | AAC | IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)  | WLAN  | 8.87     | ±0.6                   |
| 10721 | AAC | IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)  | WLAN  | 8.78     | ±0.6                   |
| 10722 | AAC | IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)  | WLAN  | 8.55     | ±0.6                   |
| 10723 | AAC | IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)  | WLAN  | 8.70     | ±0.6                   |
| 10724 | AAC | IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)  | WLAN  | 8.80     | ±0.6                   |
| 10725 | AAC | IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)  | WLAN  | 8.74     | ±0.6                   |
| 10726 | AAC | IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)  | WLAN  | 8.72     | ±0.6                   |
| 10727 | AAC | IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)  | WLAN  | 8.66     | ±0.6                   |
| 10728 | AAC | IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)  | WLAN  | 8.55     | ±0.6                   |
| 10729 | AAC | IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) | WLAN  | 8.64     | ±0.6                   |
| 10730 | AAC | IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle) | WLAN  | 8.57     | ±0.6                   |
| 10731 | AAC | IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)  | WLAN  | 8.77     | ±0.6                   |
| 10732 | AAC | IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)  | WLAN  | 8.78     | ±0.6                   |
| 10733 | AAC | IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)  | WLAN  | 8.60     | ±0.6                   |
| 10734 | AAC | IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)  | WLAN  | 8.25     | ±0.6                   |
| 10735 | AAC | IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)  | WLAN  | 8.23     | ±0.6                   |
| 10736 | AAC | IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)  | WLAN  | 8.27     | ±0.6                   |
| 10737 | AAC | IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)  | WLAN  | 8.56     | ±0.6                   |
| 10738 | AAC | IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)  | WLAN  | 8.42     | ±0.6                   |
| 10739 | AAC | IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)  | WLAN  | 8.29     | ±0.6                   |
| 10740 | AAC | IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)  | WLAN  | 8.48     | ±0.6                   |
| 10741 | AAC | IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) | WLAN  | 8.40     | ±0.6                   |
| 10742 | AAC | IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle) | WLAN  | 8.43     | ±0.6                   |
| 10743 | AAC | IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle) | WLAN  | 8.94     | ±0.6                   |
| 10744 | AAC | IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) | WLAN  | 8.15     | ±0.6                   |
| 10745 | AAC | IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle) | WLAN  | 8.33     | ±0.6                   |
| 10746 | AAC | IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) | WLAN  | 8.11     | ±0.6                   |
| 10747 | AAC | IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle) | WLAN  | 8.04     | ±0.6                   |
| 10748 | AAC | IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) | WLAN  | 8.33     | ±0.6                   |
| 10749 | AAC | IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle) | WLAN  | 8.00     | ±0.6                   |
| 10750 | AAC | IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle) | WLAN  | 8.19     | ±0.6                   |
| 10751 | AAC | IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) | WLAN  | 8.02     | ±0.6                   |
| 10752 | AAC | IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle) | WLAN  | 8.81     | ±0.6                   |

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| UID   | Rev | Communication System Name                      | Group         | PAR (dB) | Unc <sup>2</sup> E-2 |
|-------|-----|------------------------------------------------|---------------|----------|----------------------|
| 10753 | AAC | IEEE 802.11ax (160MHz, MCS10, 80ps duty cycle) | WLAN          | 9.00     | -9.5                 |
| 10754 | AAC | IEEE 802.11ax (160MHz, MCS11, 80ps duty cycle) | WLAN          | 9.84     | -9.5                 |
| 10755 | AAC | IEEE 802.11ax (160MHz, MCS0, 80ps duty cycle)  | WLAN          | 9.54     | -9.5                 |
| 10756 | AAC | IEEE 802.11ax (160MHz, MCS9, 80ps duty cycle)  | WLAN          | 9.77     | -9.5                 |
| 10757 | AAC | IEEE 802.11ax (160MHz, MCS8, 80ps duty cycle)  | WLAN          | 9.77     | -9.5                 |
| 10758 | AAC | IEEE 802.11ax (160MHz, MCS8, 80ps duty cycle)  | WLAN          | 9.69     | -9.5                 |
| 10759 | AAC | IEEE 802.11ax (160MHz, MCS4, 80ps duty cycle)  | WLAN          | 9.58     | -9.5                 |
| 10760 | AAC | IEEE 802.11ax (160MHz, MCS8, 80ps duty cycle)  | WLAN          | 9.49     | -9.5                 |
| 10761 | AAC | IEEE 802.11ax (160MHz, MCS6, 80ps duty cycle)  | WLAN          | 9.58     | -9.5                 |
| 10762 | AAC | IEEE 802.11ax (160MHz, MCS7, 80ps duty cycle)  | WLAN          | 9.49     | -9.5                 |
| 10763 | AAC | IEEE 802.11ax (160MHz, MCS8, 80ps duty cycle)  | WLAN          | 9.53     | -9.5                 |
| 10764 | AAC | IEEE 802.11ax (160MHz, MCS8, 80ps duty cycle)  | WLAN          | 9.54     | -9.5                 |
| 10765 | AAC | IEEE 802.11ax (160MHz, MCS10, 80ps duty cycle) | WLAN          | 9.54     | -9.5                 |
| 10766 | AAC | IEEE 802.11ax (160MHz, MCS11, 80ps duty cycle) | WLAN          | 9.51     | -9.5                 |
| 10767 | AAC | 5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15kHz)       | 5G NR FR1 TDD | 7.89     | -9.5                 |
| 10768 | AAC | 5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.01     | -9.5                 |
| 10769 | AAC | 5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.01     | -9.5                 |
| 10770 | AAC | 5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.02     | -9.5                 |
| 10771 | AAC | 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.02     | -9.5                 |
| 10772 | AAC | 5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.23     | -9.5                 |
| 10773 | AAC | 5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.03     | -9.5                 |
| 10774 | AAC | 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 15kHz)      | 5G NR FR1 TDD | 8.05     | -9.5                 |
| 10775 | AAC | 5G NR (CP-OFDM, 50% RB, 5MHz, QPSK, 15kHz)     | 5G NR FR1 TDD | 8.30     | -9.5                 |
| 10776 | AAC | 5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.30     | -9.5                 |
| 10777 | AAC | 5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.30     | -9.5                 |
| 10778 | AAC | 5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.34     | -9.5                 |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.42     | -9.5                 |
| 10780 | AAC | 5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.38     | -9.5                 |
| 10781 | AAC | 5G NR (CP-OFDM, 50% RB, 40MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.38     | -9.5                 |
| 10782 | AAC | 5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.43     | -9.5                 |
| 10783 | AAC | 5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)    | 5G NR FR1 TDD | 8.31     | -9.5                 |
| 10784 | AAC | 5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.29     | -9.5                 |
| 10785 | AAC | 5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.40     | -9.5                 |
| 10786 | AAC | 5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.25     | -9.5                 |
| 10787 | AAC | 5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.44     | -9.5                 |
| 10788 | AAC | 5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.38     | -9.5                 |
| 10789 | AAC | 5G NR (CP-OFDM, 100% RB, 40MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.37     | -9.5                 |
| 10790 | AAC | 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.38     | -9.5                 |
| 10791 | AAC | 5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 7.80     | -9.5                 |
| 10792 | AAC | 5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.92     | -9.5                 |
| 10793 | AAC | 5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.98     | -9.5                 |
| 10794 | AAC | 5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.92     | -9.5                 |
| 10795 | AAC | 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.84     | -9.5                 |
| 10796 | AAC | 5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.82     | -9.5                 |
| 10797 | AAC | 5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 8.01     | -9.5                 |
| 10798 | AAC | 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.89     | -9.5                 |
| 10799 | AAC | 5G NR (CP-OFDM, 1 RB, 60MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.93     | -9.5                 |
| 10800 | AAC | 5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.93     | -9.5                 |
| 10801 | AAC | 5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.89     | -9.5                 |
| 10802 | AAC | 5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 7.97     | -9.5                 |
| 10803 | AAC | 5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 7.93     | -9.5                 |
| 10804 | AAC | 5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | -9.5                 |
| 10805 | AAC | 5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | -9.5                 |
| 10806 | AAC | 5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | -9.5                 |
| 10807 | AAC | 5G NR (CP-OFDM, 50% RB, 25MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | -9.5                 |
| 10808 | AAC | 5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | -9.5                 |
| 10809 | AAC | 5G NR (CP-OFDM, 50% RB, 40MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | -9.5                 |
| 10810 | AAC | 5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | -9.5                 |
| 10811 | AAC | 5G NR (CP-OFDM, 50% RB, 60MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.35     | -9.5                 |
| 10812 | AAC | 5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.35     | -9.5                 |
| 10813 | AAC | 5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.34     | -9.5                 |
| 10814 | AAC | 5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.34     | -9.5                 |
| 10815 | AAC | 5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.33     | -9.5                 |
| 10816 | AAC | 5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.33     | -9.5                 |
| 10817 | AAC | 5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.33     | -9.5                 |
| 10818 | AAC | 5G NR (CP-OFDM, 100% RB, 40MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.41     | -9.5                 |
| 10819 | AAC | 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.41     | -9.5                 |
| 10820 | AAC | 5G NR (CP-OFDM, 100% RB, 60MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.39     | -9.5                 |
| 10821 | AAC | 5G NR (CP-OFDM, 100% RB, 80MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.41     | -9.5                 |
| 10822 | AAC | 5G NR (CP-OFDM, 100% RB, 80MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.42     | -9.5                 |
| 10823 | AAC | 5G NR (CP-OFDM, 100% RB, 80MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.43     | -9.5                 |



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May 23, 2024

| IND   | Rev | Communication System Name                       | Group         | PAR (dB) | UncF & ±2 |
|-------|-----|-------------------------------------------------|---------------|----------|-----------|
| 10828 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.40     | -9.8      |
| 10829 | AAE | 5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 7.85     | -9.8      |
| 10830 | AAE | 5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 7.75     | -9.8      |
| 10832 | AAE | 5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 7.74     | -9.8      |
| 10833 | AAE | 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 7.70     | -9.8      |
| 10834 | AAE | 5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 7.75     | -9.8      |
| 10835 | AAE | 5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 7.70     | -9.8      |
| 10836 | AAE | 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 7.66     | -9.8      |
| 10837 | AAE | 5G NR (CP-OFDM, 1 RB, 60MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 7.68     | -9.8      |
| 10838 | AAE | 5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 7.70     | -9.8      |
| 10839 | AAE | 5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 60kHz)       | 5G NR FR1 TDD | 7.67     | -9.8      |
| 10840 | AAE | 5G NR (CP-OFDM, 1 RB, 90MHz, QPSK, 60kHz)       | 5G NR FR1 TDD | 7.71     | -9.8      |
| 10841 | AAE | 5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 60kHz)      | 5G NR FR1 TDD | 8.40     | -9.8      |
| 10842 | AAE | 5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 8.34     | -9.8      |
| 10844 | AAE | 5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 8.34     | -9.8      |
| 10846 | AAE | 5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 8.34     | -9.8      |
| 10854 | AAE | 5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | -9.8      |
| 10855 | AAE | 5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.35     | -9.8      |
| 10856 | AAE | 5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.37     | -9.8      |
| 10857 | AAE | 5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.35     | -9.8      |
| 10858 | AAE | 5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.36     | -9.8      |
| 10859 | AAE | 5G NR (CP-OFDM, 100% RB, 40MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.34     | -9.8      |
| 10860 | AAE | 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.41     | -9.8      |
| 10861 | AAE | 5G NR (CP-OFDM, 100% RB, 60MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.40     | -9.8      |
| 10862 | AAE | 5G NR (CP-OFDM, 100% RB, 80MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 8.41     | -9.8      |
| 10864 | AAE | 5G NR (CP-OFDM, 100% RB, 80MHz, QPSK, 60kHz)    | 5G NR FR1 TDD | 8.37     | -9.8      |
| 10865 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 60kHz)   | 5G NR FR1 TDD | 8.41     | -9.8      |
| 10866 | AAE | 5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 8.40     | -9.8      |
| 10868 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 8.40     | -9.8      |
| 10869 | AAE | 5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 120kHz)     | 5G NR FR1 TDD | 8.35     | -9.8      |
| 10870 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)  | 5G NR FR1 TDD | 8.35     | -9.8      |
| 10871 | AAE | 5G NR (CP-OFDM, 1 RB, 100MHz, 16QAM, 120kHz)    | 5G NR FR1 TDD | 8.32     | -9.8      |
| 10872 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, 16QAM, 120kHz) | 5G NR FR1 TDD | 8.31     | -9.8      |
| 10873 | AAE | 5G NR (CP-OFDM, 1 RB, 100MHz, 54QAM, 120kHz)    | 5G NR FR1 TDD | 8.35     | -9.8      |
| 10874 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, 54QAM, 120kHz) | 5G NR FR1 TDD | 8.35     | -9.8      |
| 10875 | AAE | 5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 120kHz)     | 5G NR FR1 TDD | 8.39     | -9.8      |
| 10876 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)  | 5G NR FR1 TDD | 8.39     | -9.8      |
| 10877 | AAE | 5G NR (CP-OFDM, 1 RB, 100MHz, 16QAM, 120kHz)    | 5G NR FR1 TDD | 8.35     | -9.8      |
| 10878 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, 16QAM, 120kHz) | 5G NR FR1 TDD | 8.41     | -9.8      |
| 10879 | AAE | 5G NR (CP-OFDM, 1 RB, 100MHz, 64QAM, 120kHz)    | 5G NR FR1 TDD | 8.42     | -9.8      |
| 10880 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, 64QAM, 120kHz) | 5G NR FR1 TDD | 8.39     | -9.8      |
| 10881 | AAE | 5G NR (CP-OFDM, 1 RB, 50MHz, 16QAM, 120kHz)     | 5G NR FR1 TDD | 8.41     | -9.8      |
| 10882 | AAE | 5G NR (CP-OFDM, 100% RB, 50MHz, 16QAM, 120kHz)  | 5G NR FR1 TDD | 8.40     | -9.8      |
| 10883 | AAE | 5G NR (CP-OFDM, 1 RB, 50MHz, 64QAM, 120kHz)     | 5G NR FR1 TDD | 8.37     | -9.8      |
| 10884 | AAE | 5G NR (CP-OFDM, 100% RB, 50MHz, 64QAM, 120kHz)  | 5G NR FR1 TDD | 8.43     | -9.8      |
| 10885 | AAE | 5G NR (CP-OFDM, 1 RB, 50MHz, 54QAM, 120kHz)     | 5G NR FR1 TDD | 8.41     | -9.8      |
| 10886 | AAE | 5G NR (CP-OFDM, 100% RB, 50MHz, 54QAM, 120kHz)  | 5G NR FR1 TDD | 8.45     | -9.8      |
| 10887 | AAE | 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 120kHz)      | 5G NR FR1 TDD | 7.70     | -9.8      |
| 10888 | AAE | 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 120kHz)   | 5G NR FR1 TDD | 8.38     | -9.8      |
| 10889 | AAE | 5G NR (CP-OFDM, 1 RB, 50MHz, 16QAM, 120kHz)     | 5G NR FR1 TDD | 8.42     | -9.8      |
| 10890 | AAE | 5G NR (CP-OFDM, 100% RB, 50MHz, 16QAM, 120kHz)  | 5G NR FR1 TDD | 8.40     | -9.8      |
| 10891 | AAE | 5G NR (CP-OFDM, 1 RB, 50MHz, 64QAM, 120kHz)     | 5G NR FR1 TDD | 8.43     | -9.8      |
| 10892 | AAE | 5G NR (CP-OFDM, 100% RB, 50MHz, 64QAM, 120kHz)  | 5G NR FR1 TDD | 8.41     | -9.8      |
| 10893 | AAE | 5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30kHz)        | 5G NR FR1 TDD | 5.66     | -8.9      |
| 10894 | AAE | 5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.67     | -8.9      |
| 10895 | AAE | 5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.67     | -8.9      |
| 10900 | AAE | 5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.69     | -8.9      |
| 10901 | AAE | 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | -8.9      |
| 10902 | AAE | 5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | -8.9      |
| 10903 | AAE | 5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | -8.9      |
| 10904 | AAE | 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | -8.9      |
| 10905 | AAE | 5G NR (CP-OFDM, 1 RB, 60MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.68     | -8.9      |
| 10906 | AAE | 5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 30kHz)       | 5G NR FR1 TDD | 5.78     | -8.9      |
| 10907 | AAE | 5G NR (CP-OFDM, 50% RB, 5MHz, QPSK, 30kHz)      | 5G NR FR1 TDD | 5.93     | -8.9      |
| 10908 | AAE | 5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 5.93     | -8.9      |
| 10909 | AAE | 5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 5.95     | -8.9      |
| 10910 | AAE | 5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 5.93     | -8.9      |

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**KCTL**

EX3DV4-SN7540

May 23, 2024

| UID   | Rev | Communication System Name                         | Group         | PAR (dB) | Unc <sup>1</sup> # -2 |
|-------|-----|---------------------------------------------------|---------------|----------|-----------------------|
| 10911 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 5.53     | +9.6                  |
| 10912 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 30MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 5.84     | +9.6                  |
| 10913 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 40MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 5.84     | +9.6                  |
| 10914 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 50MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 5.85     | +9.6                  |
| 10915 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 60MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 5.85     | +9.6                  |
| 10916 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 80MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 5.87     | +9.6                  |
| 10917 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 100MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.94     | +9.6                  |
| 10918 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)    | 5G NR FR1 TDD | 5.95     | +9.6                  |
| 10919 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 10MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.95     | +9.6                  |
| 10920 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.87     | +9.6                  |
| 10921 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.84     | +9.6                  |
| 10922 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.82     | +9.6                  |
| 10923 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.84     | +9.6                  |
| 10924 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 40MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.84     | +9.6                  |
| 10925 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.85     | +9.6                  |
| 10926 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 60MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.84     | +9.6                  |
| 10927 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 80MHz, QPSK, 30kHz)   | 5G NR FR1 TDD | 5.94     | +9.6                  |
| 10928 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)       | 5G NR FR1 FDD | 5.82     | +9.6                  |
| 10929 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10MHz, QPSK, 15kHz)      | 5G NR FR1 FDD | 5.82     | +9.6                  |
| 10930 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 15MHz, QPSK, 15kHz)      | 5G NR FR1 FDD | 5.82     | +9.6                  |
| 10931 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 20MHz, QPSK, 15kHz)      | 5G NR FR1 FDD | 5.81     | +9.6                  |
| 10932 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 25MHz, QPSK, 15kHz)      | 5G NR FR1 FDD | 5.81     | +9.6                  |
| 10933 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 30MHz, QPSK, 15kHz)      | 5G NR FR1 FDD | 5.81     | +9.6                  |
| 10934 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 40MHz, QPSK, 15kHz)      | 5G NR FR1 FDD | 5.81     | +9.6                  |
| 10935 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 50MHz, QPSK, 15kHz)      | 5G NR FR1 FDD | 5.81     | +9.6                  |
| 10936 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15kHz)     | 5G NR FR1 FDD | 5.80     | +9.6                  |
| 10937 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)    | 5G NR FR1 FDD | 5.77     | +9.6                  |
| 10938 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 15MHz, QPSK, 15kHz)    | 5G NR FR1 FDD | 5.80     | +9.6                  |
| 10939 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 20MHz, QPSK, 15kHz)    | 5G NR FR1 FDD | 5.82     | +9.6                  |
| 10940 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 15kHz)    | 5G NR FR1 FDD | 5.89     | +9.6                  |
| 10941 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30MHz, QPSK, 15kHz)    | 5G NR FR1 FDD | 5.83     | +9.6                  |
| 10942 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 40MHz, QPSK, 15kHz)    | 5G NR FR1 FDD | 5.85     | +9.6                  |
| 10943 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 50MHz, QPSK, 15kHz)    | 5G NR FR1 FDD | 5.85     | +9.6                  |
| 10944 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)    | 5G NR FR1 FDD | 5.81     | +9.6                  |
| 10945 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 10MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.85     | +9.6                  |
| 10946 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.82     | +9.6                  |
| 10947 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.87     | +9.6                  |
| 10948 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.94     | +9.6                  |
| 10949 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.87     | +9.6                  |
| 10950 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 40MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.84     | +9.6                  |
| 10951 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   | 5G NR FR1 FDD | 5.82     | +9.6                  |
| 10952 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)   | 5G NR FR1 FDD | 8.25     | +9.6                  |
| 10953 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz)  | 5G NR FR1 FDD | 8.15     | +9.6                  |
| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)  | 5G NR FR1 FDD | 8.23     | +9.6                  |
| 10955 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)  | 5G NR FR1 FDD | 8.42     | +9.6                  |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz)   | 5G NR FR1 FDD | 8.14     | +9.6                  |
| 10957 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)  | 5G NR FR1 FDD | 8.31     | +9.6                  |
| 10958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)  | 5G NR FR1 FDD | 8.61     | +9.6                  |
| 10959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)  | 5G NR FR1 FDD | 8.33     | +9.6                  |
| 10960 | AAF | 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)   | 5G NR FR1 TDD | 9.32     | +9.6                  |
| 10961 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz)  | 5G NR FR1 TDD | 9.38     | +9.6                  |
| 10962 | AAF | 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)  | 5G NR FR1 TDD | 9.40     | +9.6                  |
| 10963 | AAF | 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)  | 5G NR FR1 TDD | 9.00     | +9.6                  |
| 10964 | AAF | 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz)   | 5G NR FR1 TDD | 9.25     | +9.6                  |
| 10965 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)  | 5G NR FR1 TDD | 9.32     | +9.6                  |
| 10966 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)  | 5G NR FR1 TDD | 9.55     | +9.6                  |
| 10967 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)  | 5G NR FR1 TDD | 9.42     | +9.6                  |
| 10968 | AAD | 5G NR DL (CP-OFDM, TM 3.1, 100MHz, 64-QAM, 30kHz) | 5G NR FR1 TDD | 9.59     | +9.6                  |
| 10972 | AAC | 5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 15kHz)         | 5G NR FR1 TDD | 11.59    | +9.6                  |
| 10973 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100MHz, QPSK, 30kHz)     | 5G NR FR1 TDD | 9.06     | +9.6                  |
| 10974 | AAD | 5G NR (CP-OFDM, 100% RB, 100MHz, 358-QAM, 30kHz)  | 5G NR FR1 TDD | 10.28    | +9.6                  |
| 10978 | AAA | ULLA 2DR                                          | ULLA          | 16       | +9.6                  |
| 10979 | AAA | ULLA HDR4                                         | ULLA          | 8.68     | +9.6                  |
| 10980 | AAA | ULLA HDR8                                         | ULLA          | 10.32    | +9.6                  |
| 10981 | AAA | ULLA HDRp4                                        | ULLA          | 3.16     | +9.6                  |
| 10982 | AAA | ULLA HDRp8                                        | ULLA          | 0.43     | +9.6                  |

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| UID   | Rev | Communication System Name                       | Group         | PAR (dB) | Unc <sup>F</sup> (k=2) |
|-------|-----|-------------------------------------------------|---------------|----------|------------------------|
| 10883 | AAC | 5G NR DL (CP-OFDM, TM3.1, 40MHz, 64-QAM, 15kHz) | 5G NR FR1 TDD | 9.31     | ±9.6                   |
| 10884 | AAB | 5G NR DL (CP-OFDM, TM3.1, 50MHz, 64-QAM, 15kHz) | 5G NR FR1 TDD | 9.42     | ±9.6                   |
| 10885 | AAC | 5G NR DL (CP-OFDM, TM3.1, 40MHz, 64-QAM, 30kHz) | 5G NR FR1 TDD | 9.54     | ±9.6                   |
| 10886 | AAD | 5G NR DL (CP-OFDM, TM3.1, 50MHz, 64-QAM, 30kHz) | 5G NR FR1 TDD | 9.58     | ±9.6                   |
| 10887 | AAD | 5G NR DL (CP-OFDM, TM3.1, 60MHz, 64-QAM, 30kHz) | 5G NR FR1 TDD | 9.53     | ±9.6                   |
| 10888 | AAB | 5G NR DL (CP-OFDM, TM3.1, 70MHz, 64-QAM, 30kHz) | 5G NR FR1 TDD | 9.58     | ±9.6                   |
| 10889 | AAC | 5G NR DL (CP-OFDM, TM3.1, 80MHz, 64-QAM, 30kHz) | 5G NR FR1 TDD | 9.53     | ±9.6                   |
| 10890 | AAB | 5G NR DL (CP-OFDM, TM3.1, 90MHz, 64-QAM, 30kHz) | 5G NR FR1 TDD | 9.52     | ±9.6                   |
| 11008 | AAA | 5G NR DL (CP-OFDM, TM3.1, 30MHz, 64-QAM, 15kHz) | 5G NR FR1 TDD | 10.24    | ±9.6                   |
| 11009 | AAA | 5G NR DL (CP-OFDM, TM3.1, 30MHz, 64-QAM, 30kHz) | 5G NR FR1 TDD | 10.75    | ±9.6                   |
| 11005 | AAA | 5G NR DL (CP-OFDM, TM3.1, 20MHz, 64-QAM, 15kHz) | 5G NR FR1 FDD | 9.70     | ±9.6                   |
| 11006 | AAA | 5G NR DL (CP-OFDM, TM3.1, 30MHz, 64-QAM, 15kHz) | 5G NR FR1 FDD | 9.55     | ±9.6                   |
| 11007 | AAA | 5G NR DL (CP-OFDM, TM3.1, 40MHz, 64-QAM, 15kHz) | 5G NR FR1 FDD | 9.65     | ±9.6                   |
| 11008 | AAA | 5G NR DL (CP-OFDM, TM3.1, 50MHz, 64-QAM, 15kHz) | 5G NR FR1 FDD | 9.51     | ±9.6                   |
| 11009 | AAA | 5G NR DL (CP-OFDM, TM3.1, 25MHz, 64-QAM, 30kHz) | 5G NR FR1 FDD | 9.75     | ±9.6                   |
| 11010 | AAA | 5G NR DL (CP-OFDM, TM3.1, 30MHz, 64-QAM, 30kHz) | 5G NR FR1 FDD | 9.95     | ±9.6                   |
| 11011 | AAA | 5G NR DL (CP-OFDM, TM3.1, 40MHz, 64-QAM, 30kHz) | 5G NR FR1 FDD | 9.96     | ±9.6                   |
| 11012 | AAA | 5G NR DL (CP-OFDM, TM3.1, 50MHz, 64-QAM, 30kHz) | 5G NR FR1 FDD | 9.68     | ±9.6                   |
| 11013 | AAB | IEEE 802.11be (320MHz, MCS7, 99pc duty cycle)   | WLAN          | 8.47     | ±9.6                   |
| 11014 | AAD | IEEE 802.11be (320MHz, MCS8, 99pc duty cycle)   | WLAN          | 8.46     | ±9.6                   |
| 11015 | AAB | IEEE 802.11be (320MHz, MCS9, 99pc duty cycle)   | WLAN          | 8.44     | ±9.6                   |
| 11016 | AAB | IEEE 802.11be (320MHz, MCS10, 99pc duty cycle)  | WLAN          | 8.44     | ±9.6                   |
| 11017 | AAB | IEEE 802.11be (320MHz, MCS11, 99pc duty cycle)  | WLAN          | 8.41     | ±9.6                   |
| 11018 | AAB | IEEE 802.11be (320MHz, MCS12, 99pc duty cycle)  | WLAN          | 8.40     | ±9.6                   |
| 11019 | AAB | IEEE 802.11be (320MHz, MCS13, 99pc duty cycle)  | WLAN          | 8.29     | ±9.6                   |
| 11020 | AAB | IEEE 802.11be (320MHz, MCS14, 99pc duty cycle)  | WLAN          | 8.27     | ±9.6                   |
| 11021 | AAB | IEEE 802.11be (320MHz, MCS15, 99pc duty cycle)  | WLAN          | 8.45     | ±9.6                   |
| 11022 | AAB | IEEE 802.11be (320MHz, MCS16, 99pc duty cycle)  | WLAN          | 8.36     | ±9.6                   |
| 11023 | AAB | IEEE 802.11be (320MHz, MCS17, 99pc duty cycle)  | WLAN          | 8.09     | ±9.6                   |
| 11024 | AAB | IEEE 802.11be (320MHz, MCS18, 99pc duty cycle)  | WLAN          | 8.42     | ±9.6                   |
| 11025 | AAB | IEEE 802.11be (320MHz, MCS19, 99pc duty cycle)  | WLAN          | 8.32     | ±9.6                   |
| 11026 | AAB | IEEE 802.11be (320MHz, MCS20, 99pc duty cycle)  | WLAN          | 8.39     | ±9.6                   |

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