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# **Appendix B - DAE & Probe Calibration Certificate**

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





Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

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Accreditation No.: SCS 0108

Certificate No: DAE4-877\_Mar23

CALIBRATION CERTIFICATE DAE4 - SD 000 D04 BN - SN: 877 Calibration procedure(s) Calibration procedure for the data acquisition electronics (DAE) Calibration date March 22, 2023 This calibration certificate documents the traceability to national standards, which realize the physical units of me The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate All calibrations have been conducted in the closed laboratory facility: environment temperature (22  $\pm$  3)°C and humidity < 70% Calibration Equipment used (M&TE critical for calibration) Primary Standards Cal Date (Certificate No.) Scheduled Calibration Keithley Multimeter Type 2001 SN: 0810278 29-Aug-22 (No:34389) Aug-23 Secondary Standards Check Date (in house) ID# Scheduled Check Auto DAE Calibration Unit SE UWS 053 AA 1001 27-Jan-23 (in house check) SE UMS 006 AA 1002 27-Jan-23 (in house check) In house check: Jan-24 Function Dominique Steffen Approved by: Technical Manager This calibration certificate shall not be reproduced except in full without written approval of the laboratory

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Accreditation No.: SCS 0108

Multilateral Agreement for the recognition of calibration certificates

Connector angle

Glossary DAE

data acquisition electronics

information used in DASY system to align probe sensor X to the robot

coordinate system.

# Methods Applied and Interpretation of Parameters

- DC Voltage Measurement: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- Connector angle: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
  - DC Voltage Measurement Linearity: Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
  - Common mode sensitivity: Influence of a positive or negative common mode voltage on the differential measurement.
  - Channel separation: Influence of a voltage on the neighbor channels not subject to an input voltage.
  - AD Converter Values with inputs shorted: Values on the internal AD converter corresponding to zero input voltage
- Input Offset Measurement. Output voltage and statistical results over a large number of zero voltage measurements
- Input Offset Current: Typical value for information; Maximum channel input offset current, not considering the input resistance.
- Input resistance: Typical value for information: DAE input resistance at the connector, during internal auto-zeroing and during measurement.
- Low Battery Alarm Voltage: Typical value for information. Below this voltage, a battery alarm signal is generated.
- Power consumption: Typical value for information. Supply currents in various operating

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# DC Voltage Measurement

A/D - Converter Resolution nominal High Range: 1LSB = Low Range: 1LSB = 

| <b>Calibration Factors</b> | x                     | Υ                     | Z                     |
|----------------------------|-----------------------|-----------------------|-----------------------|
| High Range                 | 404.056 ± 0.02% (k=2) | 404.135 ± 0.02% (k=2) | 404.594 ± 0.02% (k=2) |
|                            |                       | 3.98446 ± 1.50% (k=2) |                       |

#### **Connector Angle**

| Connector Angle to be used in DASY system | 324.0 ° ± 1 ° |
|---|---------------|

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# Appendix (Additional assessments outside the scope of SCS0108)

### 1. DC Voltage Linearity

| High Range        | Reading (µV) | Difference (μV) | Error (%) |
|-------------------|--------------|-----------------|-----------|
| Channel X + Input | 199995.34    | 1.67            | 0.00      |
| Channel X + Input | 20005.66     | 3.69            | 0.02      |
| Channel X - Input | -19998.51    | 3.25            | -0.02     |
| Channel Y + Input | 199992.72    | -0.59           | -0.00     |
| Channel Y + Input | 20001.27     | -0.63           | -0.00     |
| Channel Y - Input | -20002.07    | -0.24           | 0.00      |
| Channel Z + Input | 199995.19    | 1.87            | 0.00      |
| Channel Z + Input | 20002.20     | 0.33            | 0.00      |
| Channel Z - Input | -20001.48    | 0.46            | -0.00     |

| Low Range         | Reading (μV) | Difference (µV) | Error (%) |
|-------------------|--------------|-----------------|-----------|
| Channel X + Input | 2000.95      | -0.19           | -0.01     |
| Channel X + Input | 201.75       | 0.35            | 0.17      |
| Channel X - Input | -197.88      | 0.63            | -0.32     |
| Channel Y + Input | 2001.07      | 0.00            | 0.00      |
| Channel Y + Input | 200.95       | -0.29           | -0.14     |
| Channel Y - Input | -199.09      | -0.45           | 0.23      |
| Channel Z + Input | 2000.80      | -0.23           | -0.01     |
| Channel Z + Input | 200.44       | -0.78           | -0.39     |
| Channel Z - Input | -200.09      | -1.37           | 0.69      |

#### 2. Common mode sensitivity

|           | Common mode<br>Input Voltage (mV) | High Range<br>Average Reading (μV) | Low Range<br>Average Reading (μV) |
|-----------|-----------------------------------|------------------------------------|-----------------------------------|
| Channel X | 200                               | 3.29                               | 1.47                              |
|           | - 200                             | -0.42                              | -1.97                             |
| Channel Y | 200                               | -1.70                              | -1.48                             |
|           | - 200                             | -0.03                              | -0.02                             |
| Channel Z | 200                               | -12.86                             | -13.14                            |
|           | - 200                             | 10.63                              | 10.84                             |

# 3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

|           | Input Voltage (mV) | Channel X (μV) | Channel Y (µV) | Channel Z (μV) |
|-----------|--------------------|----------------|----------------|----------------|
| Channel X | 200                | 0.00           | 1,61           | -2.88          |
| Channel Y | 200                | 7.01           | 9              | 2.85           |
| Channel Z | 200                | 9.36           | 4.27           | -              |

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#### 4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring tin

|           | High Range (LSB) | Low Range (LSB) |
|-----------|------------------|-----------------|
| Channel X | 16025            | 13698           |
| Channel Y | 16238            | 14329           |
| Channel Z | 16111            | 14918           |

#### 5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec Input 10MΩ

|           | Average (μV) | min. Offset (μV) | max. Offset (μV) | Std. Deviation (µV) |
|-----------|--------------|------------------|------------------|---------------------|
| Channel X | 0.79         | -0.20            | 1.89             | 0.42                |
| Channel Y | 0.71         | -0.11            | 1.48             | 0.33                |
| Channel Z | 0.75         | -0.18            | 2.15             | 0.45                |

#### 6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

#### 7. Input Resistance (Typical values for information)

|           | Zeroing (kOhm) | Measuring (MOhm) |
|-----------|----------------|------------------|
| Channel X | 200            | 200              |
| Channel Y | 200            | 200              |
| Channel Z | 200            | 200              |

#### 8. Low Battery Alarm Voltage (Typical values for info

| Typical values | Alarm Level (VDC) |  |
|----------------|-------------------|--|
| Supply (+ Vcc) | +7.9              |  |
| Supply (- Vcc) | -7.6              |  |

# 9. Power Consumption (Typical values for information)

| Typical values | Switched off (mA) | Stand by (mA) | Transmitting (mA) |
|----------------|-------------------|---------------|-------------------|
| Supply (+ Vcc) | +0.01             | +6            | +14               |
| Supply (- Vcc) | -0.01             | -8            | -9                |

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Client

SGS

Taoyuan City, Taiwan

Certificate No

EUmm-9616\_Mar23

#### **CALIBRATION CERTIFICATE**

Object

EUmmWV4 - SN:9616

Calibration procedure(s)

QA CAL-02.v9, QA CAL-25.v8, QA CAL-42.v3

Calibration procedure for E-field probes optimized for close near field

evaluations in air

Calibration date

March 20, 2023

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) ℃ and humidity <70%.

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards       | ID         | Cal Date (Certificate No.)         | Scheduled Calibration |
|-------------------------|------------|------------------------------------|-----------------------|
| Power sensor NRP110T    | SN: 101244 | 14-Mar-22 (No. 20A1037915)         | Mar-23                |
| Spectrum analyzer FSV40 | SN: 101832 | 23-Jan-23 (No. 4030-315005314)     | Jan-24                |
| Ref. Probe EUmmWV3      | SN: 9374   | 03-Jan-23 (No. EUmmWV3-9374 Jan23) | Jan-24                |
| DAE4                    | SN: 789    | 03-Jan-23 (No. DAE4-789 Jan23)     | Jan-24                |

| Secondary Standards      | ID             | Check Date (in house)             | Scheduled Check        |
|--------------------------|----------------|-----------------------------------|------------------------|
| Generator APSIN26G       | SN: 669        | 28-Mar-17 (in house check May-22) | In house check: May-23 |
| Generator Agilent E8251A | SN: US41140111 | 28-Mar-17 (in house check May-22) | In house check: May-23 |

Name Sibrated by Leif Klysner Function

Laboratory Technician

Approved b

Sühn Technical Manager

SK

Issued: March 20, 2023

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#### Glossary

NORMx,y DCP

CF A, B, C, D Polarization (

Polarization 8

sensitivity in free space diode compression point crest factor (1/duty\_cycle) of the RF signal modulation dependent linearization parameters  $\varphi$  rotation around probe axis  $\vartheta$  rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e.,  $\vartheta=0$  is normal to probe axis

normal to probe axis

Connector Angle information used in DASY system to align probe sensor X to the robot coordinate system sensor deviation from the probe axis, used to calculate the field orientation and polarization Sensor Angles is the wave propagation direction

# Calibration is Performed According to the Following Standards:

a) IEEE Std 1309-2005, "IEEE Standard for calibration of electromagnetic field sensors and probes, excluding antennas, from 9 kHz to 40 GHz", December 2005

# Methods Applied and Interpretation of Parameters:

- NORMx,y: Assessed for E-field polarization θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). For
  frequencies > 6 GHz, the far field in front of waveguide horn antennas is measured for a set of frequencies in various
  waveguide bands up to 110 GHz.
- wavegues bases by to 110 or 12.

  \*\*DCPX;y:\*\* DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.

  Note: As the field is measured with a diode detector sensor, it is warrantied that the probe response is linear (E²) below the
  - documented lowest calibrated value

- documented lowest calibrated value.

  \*\*PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics

  \*\*The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R, R<sub>p</sub>, inductance L and capacitors C, C<sub>p</sub>).

  \*\*Ax,y; \*\*Bx,y; \*\*Cx,y; \*\*Dx,y; \*\*VRx,y; \*\*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.

  \*\*Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Sensor Unser: The sensor onset corresponds to the onset 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 NORMx (no uncertainty required).
   Equivalent Sensor Angle: The two probe sensors are mounted in the same plane at different angles. The angles are assessed using the information gained by determining the NORMx (no uncertainty required).
   Spherical isotropy (3D deviation from isotropy): in a locally homogeneous field realized using an open waveguide / horn

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EUmmWV4 - SN:9616

March 20, 2023

#### Parameters of Probe: EUmmWV4 - SN:9616

#### **Basic Calibration Parameters**

|                         | Sensor X | Sensor Y | Unc (k = 2) |
|-------------------------|----------|----------|-------------|
| Norm $(\mu V/(V/m)^2)$  | 0.01852  | 0.02127  | ±10.1%      |
| DCP (mV) B              | 105.0    | 105.0    | ±4.7%       |
| Equivalent Sensor Angle | -61.8    | 35.2     |             |

### Calibration Results for Frequency Response (750 MHz - 110 GHz)

| Frequency<br>GHz | Target<br>E-Field<br>V/m | Deviation Sensor X<br>dB | Deviation Sensor Y<br>dB | Unc (k = 2) |
|------------------|--------------------------|--------------------------|--------------------------|-------------|
| 0.75             | 77.2                     | -0.25                    | -0.34                    | ±0.43       |
| 1.8              | 140.4                    | -0.05                    | -0.04                    | ±0.43       |
| 2.0              | 133.0                    | 0.11                     | 0.13                     | ±0.43       |
| 2.2              | 124.8                    | -0.07                    | -0.04                    | ±0.43       |
| 2.5              | 123.0                    | 0.12                     | 0.15                     | ±0.43       |
| 3.5              | 256.2                    | -0.10                    | -0.10                    | ±0.43       |
| 3.7              | 249.8                    | 0.11                     | 0.11                     | ±0.43       |
| 6.6              | 76.1                     | 0.13                     | -0.03                    | ±0.98       |
| 8.0              | 68.3                     | 0.07                     | 0.03                     | ±0.98       |
| 10.0             | 67.5                     | 0.15                     | 0.16                     | ±0.98       |
| 15.0             | 55.3                     | 0.41                     | 0.38                     | ±0.98       |
| 26.6             | 114.9                    | -0.05                    | -0.07                    | ±0.98       |
| 30.0             | 121.2                    | -0.00                    | -0.00                    | ±0.98       |
| 35.0             | 119.8                    | 0.16                     | 0.18                     | ±0.98       |
| 40.0             | 105.8                    | 0.28                     | 0.29                     | ±0.98       |
| 50.0             | 60.5                     | 0.51                     | 0.48                     | ±0.98       |
| 55.0             | 75.8                     | -0.05                    | -0.03                    | ±0.98       |
| 60.0             | 80.0                     | -0.15                    | -0.15                    | ±0.98       |
| 65.0             | 77.7                     | -0.25                    | -0.16                    | ±0.98       |
| 70.0             | 73.8                     | -0.06                    | -0.03                    | ±0.98       |
| 75.0             | 73.2                     | -0.31                    | -0.36                    | ±0.98       |
| 75.0             | 80.8                     | -0.02                    | -0.04                    | ±0.98       |
| 80.0             | 79.9                     | -0.62                    | -0.63                    | ±0.98       |
| 85.0             | 47.6                     | -0.70                    | -0.74                    | ±0.98       |
| 90.0             | 72.3                     | -0.38                    | -0.37                    | ±0.98       |
| 92.0             | 72.0                     | -0.21                    | -0.22                    | ±0.98       |
| 95.0             | 66.6                     | -0.13                    | -0.14                    | ±0.98       |
| 97.0             | 57.0                     | -0.17                    | -0.16                    | ±0.98       |
| 100.0            | 55.0                     | -0.25                    | -0.22                    | ±0.98       |
| 105.0            | 53.0                     | -0.27                    | -0.23                    | ±0.98       |
| 110.0            | 61.1                     | 0.24                     | 0.12                     | ±0.98       |

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%.

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<sup>&</sup>lt;sup>B</sup> Linearization parameter uncertainty for maximum specified field strength



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EUmmWV4 - SN:9616

March 20, 2023

#### Parameters of Probe: EUmmWV4 - SN:9616

#### Calibration Results for Modulation Response

| UID   | Communication System Name   |   | A<br>dB | $dB\sqrt{\mu V}$ | С     | D         | 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      | 127.0      | ±2.7%       | ±4.7%                            |
|       | Colored Control             | Y | 0.00    | 0.00             | 1,00  | 1         | 66.8       |             | -                                |
| 10352 | Pulse Waveform (200Hz, 10%) | X | 3.47    | 60.00            | 14.92 | 10.00     | 6.0        | 6.0 ±1.4%   | ±9.6%                            |
|       |                             | Y | 3.34    | 60.00            | 15,33 | Section 1 | 6.0        | TORNE       | 20.076                           |
| 10353 | Pulse Waveform (200Hz, 20%) | X | 2.45    | 60.00            | 13.67 | 6.99      | 12.0       |             | ±9.6%                            |
|       |                             | Y | 2.27    | 60.00            | 14.30 | 1.0       | 12.0       |             |                                  |
| 10354 | Pulse Waveform (200Hz, 40%) | X | 1.54    | 60.50            | 12.51 | 3.98      | 23.0       | ±1.9%       | ±9.6%                            |
|       |                             | Y | 1.35    | 60.00            | 13.12 |           | 23.0       |             | 44.60                            |
| 10355 | Pulse Waveform (200Hz, 60%) | X | 0.86    | 60.00            | 11.52 | 2.22      | 27.0       |             | ±9.6%                            |
|       |                             | Y | 0.88    | 60.00            | 12.15 | 3.00      | 27.0       |             |                                  |
| 10387 | QPSK Waveform, 1 MHz        | X | 1.28    | 60.00            | 12.20 | 1.00      | 22.0 ±1.3% | ±9.6%       |                                  |
|       |                             | Y | 1.31    | 60.00            | 12.14 |           | 22.0       |             | 25.07                            |
| 10388 | QPSK Waveform, 10 MHz       | X | 1.29    | 60.00            | 11.79 | 0.00      | 22.0       | ±0.8%       | ±9.6%                            |
|       |                             | Y | 1.44    | 60.00            | 11.79 | 2.44      | 22.0       | 20,0,0      | 20.070                           |
| 10396 | 64-QAM Waveform, 100 kHz    | X | 3.28    | 64.60            | 15.53 | 3.01      | 17.0       | ±0.7%       | ±9.6%                            |
|       |                             | Y | 8.04    | 74.89            | 19.08 | 1000      | 17.0       | 201770      | 20.070                           |
| 10399 | 64-QAM Waveform, 40 MHz     | X | 2.10    | 60.00            | 12.33 | 0.00      | 19.0       | ±1.0%       | ±9.6%                            |
|       |                             | Y | 2.18    | 60.00            | 12.40 | 0.00      | 19.0       | 211070      | 10.070                           |
| 10414 | WLAN CCDF, 64-QAM, 40 MHz   | X | 3.30    | 60.00            | 12.77 | 0.00      | 12.0       | ±0.9%       | ±9.6%                            |
|       |                             | Y | 3.28    | 60.00            | 12.87 | 5.00      | 12.0       | 10.076      | 10.070                           |

Note: For details on UID parameters see Appendix

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



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EUmmWV4 - SN:9616

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#### Parameters of Probe: EUmmWV4 - SN:9616

#### Calibration Results for Linearity Response

| Frequency<br>GHz | Target E-Field<br>V/m | Deviation Sensor X<br>dB | Deviation Sensor Y<br>dB | Unc (k = 2) |
|------------------|-----------------------|--------------------------|--------------------------|-------------|
| 0.9              | 50.0                  | 0.05                     | -0.05                    | ±0.2        |
| 0.9              | 100.0                 | -0.05                    | -0.11                    | ±0.2        |
| 0.9              | 500.0                 | -0.02                    | 0.00                     | ±0.2        |
| 0.9              | 1000.0                | 0.01                     | 0.04                     | ±0.2        |
| 0.9              | 1500.0                | 0.00                     | 0.04                     | ±0.2        |
| 0.9              | 2100.0                | -0.02                    | 0.03                     | +0.2        |

#### Sensor Frequency Model Parameters (750 MHz - 55 GHz)

|                    | Sensor X | Sensor Y |
|--------------------|----------|----------|
| R (Ω)              | 78.05    | 67.45    |
| R <sub>p</sub> (Ω) | 84.75    | 76.51    |
| L (nH)             | 0.09975  | 0.08090  |
| C (pF)             | 0.2755   | 0.4008   |
| Cp (pF)            | 0.0833   | 0.1015   |

#### Sensor Frequency Model Parameters (55 GHz - 110 GHz)

|                    | Sensor X | Sensor Y |
|--------------------|----------|----------|
| R (Ω)              | 16.64    | 44.86    |
| R <sub>p</sub> (Ω) | 87.82    | 241.08   |
| L (nH)             | 0.05177  | 0.13850  |
| C (pF)             | 0.0783   | 0.0299   |
| Cp (pF)            | 0.0900   | 0.0338   |

#### Sensor Model Parameters

|    | C1<br>fF | C2<br>fF | ν-1   | T1<br>ms V <sup>-2</sup> | T2<br>msV <sup>-1</sup> | T3<br>ms | T4<br>V-2 | T5<br>V <sup>-1</sup> | T6   |
|----|----------|----------|-------|--------------------------|-------------------------|----------|-----------|-----------------------|------|
| X. | 66.2     | 480.69   | 33.68 | 2.66                     | 9.97                    | 5.00     | 0.00      | 2.00                  | 1.01 |
| у  | 55.2     | 394.78   | 32.91 | 0.92                     | 9.82                    | 5.01     | 2.00      | 2.00                  | 1.01 |

#### Other Probe Parameters

| Sensor Arrangement                      | Rectangular |
|---|-------------|
| Connector Angle                         | -140.4°     |
| Mechanical Surface Detection Mode       | enabled     |
| Optical Surface Detection Mode          | disabled    |
| Probe Overall Length                    | 320 mm      |
| Probe Body Diameter                     | 8 mm        |
| Tip Length                              | 23 mm       |
| Tip Diameter                            | 8.0 mm      |
| Probe Tip to Sensor X Calibration Point | 1.5 mm      |
| Probe Tip to Sensor Y Calibration Point | 1.5 mm      |

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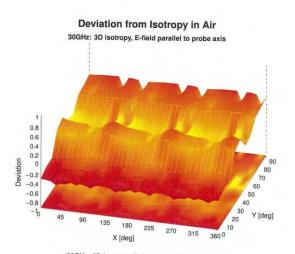
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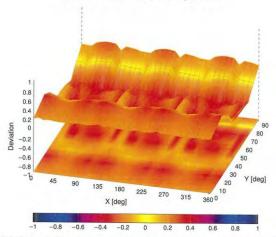
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60GHz: 3D isotropy, E-field parallel to probe axis



Probe isotropy for  $E_{bd}$ : probe rotated  $\phi=0^\circ$  to 360°, tilted from field propagation direction  $\bar{k}$  Parallel to the field propagation ( $\psi=0^\circ-90^\circ$ ) at 30 GHz: deviation within  $\pm 0.39$  dB Parallel to the field propagation ( $\psi=0^\circ-90^\circ$ ) at 60 GHz: deviation within  $\pm 0.38$  dB

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# **Appendix: Modulation Calibration Parameters**

| 0     | Rev | Communication System Name                           | Group     | PAR (dB) | UncE k = |
|-------|-----|---|-----------|----------|----------|
|       | CAR | 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      | 9.46     | ±9.6     |
| 10021 | DAC | GSM-FDD (TDMA, GMSK)                                | GSM       | 9.39     | ±9.6     |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0)                         | GSM       | 9.57     | ±9.6     |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1)                       | GSM       | 6.56     | ±9.6     |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0)                         | GSM       | 12.62    | ±9.6     |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1)                       | GSM       | 9.55     | ±9.6     |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2)                     | GSM       | 4.80     | ±9.6     |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)                   | GSM       | 3.55     | ±9.6     |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2)                     | GSM       | 7.78     | ±9.6     |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1)                 | Bluetooth | 5.30     | ±9.6     |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3)                 | Bluetooth | 1.87     | ±9.6     |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5)                 | Bluetooth | 1.16     | ±9.6     |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)           | Bluetooth | 7.74     | ±9.6     |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)           | Bluetooth | 4.53     | ±9.6     |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)           | Bluetooth | 3.83     | ±9.6     |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1)               | Bluetooth | 8.01     | ±9.6     |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3)               | Bluetooth | 4.77     | ±9.6     |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5)               | Bluetooth | 4.10     | ±9.6     |
| 10039 | CAB | CDMA2000 (1xRTT, RC1)                               | CDMA2000  | 4.10     | ±9.6     |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS      | 7.78     | ±9.6     |
| 10044 | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM)                    | AMPS      | 0.00     | +9.6     |
| 1004B | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)           | DECT      |          | -        |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)         | DECT      | 13.80    | ±9.6     |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1,28 Mcps)                      | TD-SCDMA  | 10.79    | ±9.6     |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)                   | GSM GSM   | 11.01    | ±9.6     |
| 10059 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps)            |           | 6.52     | ±9.6     |
| 10060 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)          | WLAN      | 2.12     | ±9.6     |
| 10061 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)           | WLAN      | 2.83     | ±9.6     |
| 10062 | CAD | IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps)            | WLAN      | 3.60     | ±9.6     |
| 10063 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)            | WLAN      | 8.68     | ±9.6     |
| 10064 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)           | WLAN      | 8.63     | ±9.6     |
| 10065 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)           | WLAN      | 9.09     | ±9.6     |
| 10066 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)           | WLAN      | 9.00     | ±9.6     |
| 10067 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)           | WLAN      | 9.38     | ±9.6     |
| 0068  | CAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps)           | WLAN      | 10.12    | ±9.6     |
| 10069 | CAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps)           | WLAN      | 10.24    | ±9.6     |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)       | WLAN      | 10.56    | ±9.6     |
| 0072  | CAB |   | WLAN      | 9.83     | ±9.6     |
| 0072  | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)      | WLAN      | 9.62     | ±9.6     |
| 0074  | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbps)      | WLAN      | 9.94     | ±9.6     |
| 0075  | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)      | WLAN      | 10.30    | ±9.6     |
| 0076  |     | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 36 Mbps)      | WLAN      | 10.77    | ±9.6     |
| 0076  | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)      | WLAN      | 10.94    | ±9.6     |
|       |     | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)      | WLAN      | 11.00    | ±9.6     |
| 0081  | CAB | CDMA2000 (1xRTT, RC3)                               | CDMA2000  | 3.97     | ±9.6     |
|       | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS      | 4.77     | ±9.6     |
| 0090  | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4)                       | GSM       | 6.56     | ±9.6     |
| 0097  | CAC | UMTS-FDD (HSDPA)                                    | WCDMA     | 3.98     | ±9.6     |
| 0098  | CAC | UMTS-FDD (HSUPA, Subtest 2)                         | WCDMA     | 3.98     | ±9.6     |
| 0099  | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4)                       | GSM       | 9.55     | ±9.6     |
| 0100  | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | LTE-FDD   | 5.67     | ±9.6     |
| 0101  | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | LTE-FDD   | 6.42     | ±9.6     |
| 0102  | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | LTE-FDD   | 6.60     | ±9.6     |
| 0103  | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | LTE-TDD   | 9.29     | ±9.6     |
| 0104  | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | LTE-TDD   | 9,97     | ±9.6     |
| 0105  | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | LTE-TDD   | 10.01    | ±9.6     |
| 0108  | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)            | LTE-FDD   | 5.80     | ±9.6     |
| 0109  | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)          | LTE-FDD   | 6.43     | ±9.6     |
| 0110  | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)             | LTE-FDD   | 5.75     | ±9.6     |
|       | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)           |           |          |          |

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| UID<br>10112 | CAH | Communication System Name   | Group        | PAR (dB)     | UncE k = 2 |
|--------------|-----|---|--------------|--------------|------------|
| 10113        | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)  LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)       | LTE-FDD      | 6.59         | ±9.6       |
| 10114        | CAD |   | LTE-FDD      | 6.62         | ±9.6       |
| 10115        | CAD | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | WLAN         | 8.10         | ±9.6       |
| 10116        | CAD | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)   | WLAN         | 8.46         | ±9.6       |
| 10117        | CAD | IEEE 802.11n (HT Greenleid, 135 Mbps, 64-QAM)   | WLAN         | 8.15         | ±9.6       |
| 10118        | CAD | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)  | WLAN         | 8.07         | ±9.6       |
| 10119        | CAD | IEEE 802.11rr (HT Mixed, 31 Mbps, 16-QAM)   | WLAN         | 8.59         | ±9.6       |
| 10140        | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)  | WLAN         | 8.13         | ±9.6       |
| 10141        | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)  | LTE-FDD      | 6.49         | ±9.6       |
| 10142        | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)   | LTE-FDD      | 6.53         | ±9.6       |
| 10143        | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)   | LTE-FDD      | 5.73         | ±9.6       |
| 10144        | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)   | LTE-FDD      | 6.35         | ±9.6       |
| 10145        | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)   | LTE-FDD      | 6.65         | ±9.6       |
| 10146        | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)   | LTE-FDD      | 5.76         | ±9.6       |
| 10147        | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)   | LTE-FDD      | 6.41         | ±9.6       |
| 10149        | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)   | LTE-FDD      | 6.72         | ±9.6       |
| 10150        | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)   | LTE-FDD      | 6.42         | ±9.6       |
| 10151        | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)   | LTE-FDD      | 6.60         | ±9.6       |
| 10152        | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)   | LTE-TDD      | 9.28         | ±9.6       |
| 10153        | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)   | LTE-TDD      | 9.92         | ±9.6       |
| 10154        | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)   | LTE-TDD      | 10.05        | ±9.6       |
| 10155        | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)   | LTE-FDD      | 5.75         | ±9.6       |
| 10156        | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)  | LTE-FDD      | 6.43         | ±9.6       |
| 10157        | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)  | LTE-FDD      | 5.79         | ±9.6       |
| 10158        | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   | LTE-FDD      | 6.49         | ±9.6       |
| 10159        | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)  | 10000        | 6.62         | ±9.6       |
| 10160        | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   | LTE-FDD      | 6.56         | ±9.6       |
| 10161        | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)   | LTE-FDD      | 5.82         | ±9.6       |
| 10162        | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   | LTE-FDD      | 6.43         | ±9.6       |
| 10166        | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)  | LTE-FDD      | 6.58         | ±9.6       |
| 10167        | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)  | LTE-FDD      | 5.46         | ±9.6       |
| 10168        | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)  | LTE-FDD      | 6.21         | ±9.6       |
| 10169        | CAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)   | LTE-FDD      | 6.79         | ±9.6       |
| 10170        | CAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)   | LTE-FDD      | 5.73         | ±9.6       |
| 10171        | AAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   | LTE-FDD      | 6.52         | ±9.6       |
| 10172        | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)   | LTE-FDD      | 6.49         | ±9.6       |
| 10173        | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)   | LTE-TOD      | 9,21         | ±9.6       |
| 10174        | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   | LTE-TOD      | 9.48         | ±9.6       |
| 10175        | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)   |              | 10.25        | ±9.6       |
| 10176        | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)   | LTE-FDD      | 5.72         | ±9.6       |
| 10177        | CAJ | LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)   | LTE-FDD      | 6.52         | ±9.6       |
| 10178        | CAH | LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)   | LTE-FDD      | 5,73         | ±9.6       |
| 10179        | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)   | LTE-FDD      | 6.52         | ±9.6       |
| 10180        | CAH | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)  |              | 6.50         | ±9.6       |
| 10181        | CAF | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)   | LTE-FDD      | 6.50         | ±9.6       |
| 10182        | CAF | LTE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)  | LTE-FDD      | 5.72<br>6.52 | ±9.6       |
|              | AAE | LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)  | LTE-FDD      | 6.50         |            |
|              | CAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)  | LTE-FDD      | 5.73         | ±9.6       |
|              | CAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)  | LTE-FDD      | 6.51         | ±9.6       |
|              | AAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)  | LTE-FDD      | 6.50         | ±9.6       |
|              | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)  | LTE-FDD      | 5.73         | ±9.6       |
|              | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)  | LTE-FDD      | 6.52         | ±9.6       |
|              | AAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)  | LTE-FDD      |              | ±9.6       |
|              | CAD | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)  | WLAN         | 6.50<br>8.09 | ±9.6       |
| 0194         | CAD | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)   | WLAN         |              | ±9.6       |
|              | CAD | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)   | WLAN         | 8.12         | ±9.6       |
|              | CAD | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)   | WLAN         | 8.10         | ±9.6       |
|              | CAD | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)  | WLAN         | 0110         | ±9.6       |
|              | CAD | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)  |              | 8,13         | ±9.6       |
|              | CAD | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)   | WLAN         | 8.27         | ±9.6       |
|              | CAD | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)  | WLAN         | 8.03         | ±9.6       |
|              | CAD | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)  | WLAN         | 8.13         | ±9.6       |
|              | CAD | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)  | WLAN         | 8.27         | ±9.6       |
|              |     | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)  | WLAN<br>WLAN | 8.06<br>8.48 | ±9.6       |
| 0223         | CAD |   |              |              |            |

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| UID   | Rev | Communication System Name  | Group    | PAR (dB) | UncE 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  | 10.26    | ±9.6       |
| 10228 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)                               | LTE-TOD  | 9.22     | ±9.6       |
| 10229 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3MHz, 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, 5MHz, 16-QAM)                                | LTE-TDD  | 9.48     | ±9.6       |
| 10233 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)                                | LTE-TDD  | 10.25    | 19.6       |
| 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-TOD  | 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  | 9.48     | ±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, 15MHz, 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-TOD  | 9.30     | ±9.6       |
| 10247 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)                             | LTE-TOD  | 9.91     | ±9.6       |
| 10248 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)                             | LTE-TOD  | 10.09    | ±9.6       |
| 10249 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)                               | LTE-TDD  | 9.29     | -          |
| 10250 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)                            | LTE-TOD  |          | ±9.6       |
| 10251 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)                            | LTE-TOD  | 9.81     | ±9.6       |
| 10252 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)                              | LTE-TOD  | 9.24     | ±9.6       |
| 10253 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)                            |          |          | ±9.6       |
| 10254 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)                            | LTE-TDD  | 9.90     | ±9.6       |
| 10255 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)                              | LTE-TOD  | 10.14    | ±9.6       |
| 10256 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)                          |          | 9.20     | ±9.6       |
| 10257 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)                          | LTE-TOD  | 9,96     | ±9.6       |
| 10258 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)                            | LTE-TDD  | 10.08    | ±9.6       |
| 10259 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)                            | LTE-TDD  | 9.34     | ±9.6       |
| 10260 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)                            | LTE-TDD  | 9.98     | ±9.6       |
| 10261 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)                              | LTE-TDD  | 9.97     | ±9.6       |
| 10262 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)                            | LTE-TDD  | 9.24     | ±9.6       |
| 10263 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)                            | LTE-TDD  | 9.83     | ±9.6       |
| 10264 | CAH |  | LTE-TDD  | 10.16    | ±9.6       |
| 10265 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)                              | LTE-TDD  | 9.23     | ±9.6       |
| 10266 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)                           | LTE-TDD  | 9,92     | ±9.6       |
| 10267 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)                           | LTE-TDD  | 10.07    | ±9.6       |
| 10268 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)                             | LTE-TOD  | 9.30     | ±9.6       |
| 0269  | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)                            | LTE-TDD  | 10.06    | ±9.6       |
|       |     | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)                            | LTE-TDD  | 10.13    | ±9.6       |
| 0270  | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK)                              | LTE-TDD  | 9.58     | ±9.6       |
| 0275  | CAC | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)                            | WCDMA    | 4.87     | ±9.6       |
|       |     | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)                             | WCDMA    | 3.96     | ±9.6       |
| 0277  | CAA | PHS (QPSK)   | PHS      | 11.81    | ±9.6       |
| 027B  | CAA | PHS (QPSK, BW 884 MHz, Rolloff 0.5)                                  | PHS      | 11.81    | ±9.6       |
| 0279  | CAA | PHS (QPSK, BW 884 MHz, Rolloff 0.38)                                 | PHS      | 12.18    | ±9.6       |
| 0290  | AAB | CDMA2000, RC1, SO55, Full Rate                                       | CDMA2000 | 3.91     | ±9.6       |
| 0291  | AAB | CDMA2000, RC3, SO55, Full Rate                                       | CDMA2000 | 3.46     | ±9.6       |
| 0292  | AAB | CDMA2000, RC3, SO32, Full Rate                                       | CDMA2000 | 3.39     | ±9.6       |
| 0293  | AAB | CDMA2000, RC3, SO3, Full Rate  | CDMA2000 | 3,50     | ±9.6       |
| 0295  | AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr.                                | CDMA2000 | 12.49    | ±9.6       |
| 0297  | AAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                              | LTE-FDD  | 5.81     | ±9.6       |
| 0298  | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                               | LTE-FDD  | 5.72     | ±9.6       |
| 0299  | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                             | LTE-FDD  | 6.39     | ±9.6       |
| 0300  | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                             | LTE-FDD  | 6.60     | ±9.6       |
| 0301  | AAA | IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)                 | WIMAX    | 12.03    | ±9.6       |
| 0302  | AAA | IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) | WiMAX    | 12.57    | ±9.6       |
| 0303  | AAA | IEEE 802.16e WIMAX (31:15, 5ms, 10 MHz, 64QAM, PUSC)                 | WiMAX    | 12.52    | ±9.6       |
| 0304  | AAA | IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)                | WIMAX    | 11.86    | ±9.6       |
| 0305  | AAA | IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)   | WiMAX    | 15.24    | ±9.6       |
| 0306  | AAA | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)   | WIMAX    | 14.67    | ±9.6       |

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| UID   | Rev  | Communication System Name   | Group             | PAR (dB) | UncE k = |
|-------|------|---|-------------------|----------|----------|
| 10307 | AAA  | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)               | WIMAX             | 14.49    | ±9.6     |
| 10308 | AAA  | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)                          | WIMAX             | 14.46    | ±9.6     |
| 10309 | AAA  | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)           | WiMAX             | 14.58    | ±9.6     |
| 10310 | AAA  | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)            | WiMAX             | 14.57    | ±9.6     |
| 10311 | AAE  | LTE-FDD (SC-FDMA, 100% RB, 15MHz, QPSK)   | LTE-FDD           | 6,06     | ±9.6     |
| 10313 | AAA. | IDEN 1:3  | IDEN              | 10.51    | ±9.6     |
| 10314 | AAA  | IDEN 1;6  | IDEN              | 13.48    | ±9.6     |
| 10315 | AAB  | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)                       | WLAN              | 1.71     | 19.6     |
| 10316 | AAB  | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)                   | WLAN              | 8.36     | ±9.6     |
| 10317 | AAD  | IEEE 802.11a WIFI 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)                         | WLAN              | 8.36     | ±9.6     |
| 10352 | AAA  | Pulse Waveform (200Hz, 10%)   | Generic           | 10.00    | ±9.6     |
| 10353 | AAA  | Pulse Wavelorm (200Hz, 20%)   | Generic           | 6.99     | ±9.6     |
| 10354 | AAA  | Pulse Waveform (200Hz, 40%)   | Generic           | 3.98     | ±9.6     |
| 10355 | AAA  | Pulse Waveform (200Hz, 60%)   | Generic           | 2.22     |          |
| 10356 | AAA  | Pulse Waveform (200Hz, 80%)   | Generic           | 0.97     | ±9.6     |
| 10387 | AAA  | QPSK Waveform, 1 MHz  |                   |          | ±9.6     |
| 10388 | AAA  | QPSK Waveform, 10 MHz   | Generic           | 5.10     | ±9.6     |
| 10396 | AAA  | 64-QAM Waveform, 100 kHz  |                   | 100000   | ±9.6     |
| 10399 | AAA  | 64-QAM Waveform, 40 MHz   | Generic           | 6.27     | ±9.6     |
| 10400 | AAE  | IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)                            | Generic           | 6.27     | ±9.6     |
| 10401 | AAE  | IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)                            | WLAN              | 8.37     | ±9.6     |
| 10402 | AAE  | IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)                            | WLAN              | 8.60     | ±9.6     |
| 10403 | AAB  | CDMA2000 (1xEV-DO, Rev. 0)  | WLAN              | 8.53     | ±9.6     |
| 10404 | AAB  |   | CDMA2000          | 3.76     | ±9.6     |
| 10404 | AAB  | CDMA2000 (1xEV-DO, Rev. A) CDMA2000, RC3, SO32, SCH0, Full Rate                 | CDMA2000          | 3.77     | ±9.6     |
| 10406 | AAH  |   | CDMA2000          | 5.22     | ±9.6     |
|       |      | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) | LTE-TDD           | 7.82     | ±9.6     |
| 10414 | AAA  | WLAN CCDF, 64-QAM, 40 MHz   | Generic           | 8.54     | ±9.6     |
| 10415 | AAA  | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)                       | WLAN              | 1.54     | ±9.6     |
| 10416 | AAA  | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)                   | WLAN              | 8.23     | ±9.6     |
| 10417 | AAC  | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)                       | WLAN              | 8.23     | ±9.6     |
| 10418 | AAA  | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)  | WLAN              | 8.14     | ±9.6     |
| 10419 | AAA  | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) | WLAN              | 8.19     | ±9.6     |
| 10422 | AAC  | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)                                    | WLAN              | 8.32     | ±9.6     |
| 10423 | AAC  | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)                                 | WLAN              | 8.47     | ±9.6     |
| 10424 | AAC  | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)                                 | WLAN              | 8.40     | ±9.6     |
| 10425 | AAC  | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                                     | WLAN              | 8.41     | ±9.6     |
| 10426 | AAC  | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)                                   | WLAN              | 8.45     | ±9.6     |
| 10427 | AAC  | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)                                  | WLAN              | 8.41     | ±9.6     |
| 10430 | AAE  | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)  | LTE-FDD           | 8.28     | ±9.6     |
| 10431 | AAE  | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)   | LTE-FDD           | 8.38     | ±9.6     |
| 10432 | AAD  | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)   | LTE-FDD           | 8.34     | ±9.6     |
| 10433 | AAD  | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)   | LTE-FDD           | 8.34     | ±9.6     |
| 10434 | AAB  | W-CDMA (BS Test Model 1, 64 DPCH)   | WCDMA             | 8.60     | ±9.6     |
| 10435 | AAG  | 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           | 7.56     | ±9.6     |
| 10448 | AAE  | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)                                  | LTE-FDD           | 7.53     | ±9.6     |
| 10449 | AAD  | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)                                  | LTE-FDD           | 7.51     | +9.6     |
| 10450 | AAD  | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)                                 | LTE-FDD           | 7.48     | ±9.6     |
| 10451 | AAB  | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)                                 | WCDMA             | 7.59     | ±9.6     |
| 10453 | AAE  | Validation (Square, 10 ms, 1 ms)  | Test              | 10.00    | ±9.6     |
| 10456 | AAC  | IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)                           | WLAN              | 8.63     | ±9.6     |
| 10457 | AAB  | UMTS-FDD (DC-HSDPA)   | WCDMA             | 6.62     | ±9.6     |
| 10458 | AAA  | CDMA2000 (1xEV-DO, Rev. B, 2 carriers)  | CDMA2000          | -        |          |
| 10459 | AAA  | CDMA2000 (1xEV-DO, Rev. B, 3 carriers)  |                   | 6.55     | ±9.6     |
| 10460 | AAB  | UMTS-FDD (WCDMA, AMR)   | CDMA2000<br>WCDMA | 8.25     | ±9.6     |
| 10461 | AAC  | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                 |                   | 2.39     | ±9.6     |
| 10462 | AAC  | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD           | 7.82     | ±9.6     |
| 10463 | AAC  |   | LTE-TDD           | 8.30     | ±9.6     |
| 10464 | AAD  | LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                | LTE-TDD           | 8.56     | ±9.6     |
| 10464 | AAD  | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                   | LTE-TDD           | 7.82     | ±9.6     |
|       |      | 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 | AAD  | 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 | AAG  | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                   | LTE-TDD           | 7.82     | ±9.6     |
| 10468 | AAG  | 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 | AAG  | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)                 | LTE-TDD           | 8,56     | ±9.6     |
| 10470 | AAG  | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                  | LTE-TDD           | 7,82     | ±9.6     |
| 10471 | AAG  | 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<br>10472 | Rev | Communication System Name  | Group   | PAR (dB)     | $Unc^{E} k = 2$ |
|--------------|-----|--|---------|--------------|-----------------|
| 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            |
| 10474        | AAF | LTE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 7.82         | ±9.6            |
| 10475        | 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            |
| 10477        | AAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.57         | ±9.6            |
| 10478        | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.32         | ±9.6            |
| 10479        | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 1,4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)       | LTE-TDD | 8.57         | ±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 | 7,74         | ±9.6            |
| 10481        | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)  | LTE-TOD | 8.18         | ±9.6            |
| 10482        | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)  | LTE-TOD | 8.45         | ±9.6            |
| 10483        | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 7.71         | ±9.6            |
| 10484        | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TOD | 8.39         | ±9.6            |
| 10485        | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.47<br>7.59 | ±9.6            |
| 10486        | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8,38         | ±9.6            |
| 10487        | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TOD | 8.60         | ±9.6            |
| 10488        | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | LTE-TOD | 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, 15MHz, 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-TOD | 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         | 19.6            |
| 10495        | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.37         | 19.6            |
| 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-TOD | 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-TOD | 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            |
| 10508        | 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            |
| 10509        | 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            |
| 10510        | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)<br>LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.99         | ±9.6            |
| 10511        | AAF | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TOD | 8.49         | ±9.6            |
| 10512        | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.51         | ±9.6            |
| 10513        | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 7.74         | ±9.6            |
| 10514        | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TOD | 8.42<br>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        | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)  | WLAN    | 8.23         | ±9.6            |
| 10519        | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)   | WLAN    | 8.39         | +9.6            |
| 10520        | AAC | IEEE 802,11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)   | WLAN    | 8.12         | ±9.6            |
| 10521        | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)   | WLAN    | 7.97         | ±9.6            |
| 10522        | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)   | WLAN    | 8.45         | ±9.6            |
| 10523        | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)   | WLAN    | 8.08         | ±9.6            |
| 10524        | AAC | IEEE 802:11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)   | WLAN    | 8.27         | ±9.6            |
| 10525        | AAC | IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)   | WLAN    | 8.36         | ±9.6            |
| 10526        | AAC | IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)   | WLAN    | 8.42         | ±9.6            |
| 10527        | AAC | IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)   | WLAN    | 8.21         | ±9.6            |
| 0528         | AAC | IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)   | WLAN    | 8.36         | ±9.6            |
| 0529         | AAC | IEEE 802.11ac WiFI (20 MHz, MCS4, 99pc duty cycle)   | WLAN    | 8.36         | ±9.6            |
| 0531         | AAC | IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)   | WLAN    | 8.43         | ±9.6            |
| 0532         | AAC | IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)   | WLAN    | 8.29         | ±9.6            |
| 0533         | AAC | IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)   | WLAN    | 8.38         | ±9.6            |
| 10534        | AAC | IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)   | WLAN    | 8.45         | ±9.6            |
| 0535         | AAC | IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)   | WLAN    | 8.45         | ±9.6            |
| 0536         | AAC | IEEE 802.11ac WIFI (40 MHz, MCS2, 99pc duty cycle)   | WLAN    | 8,32         | ±9.6            |
| 10537        | AAC | IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)                                    | WLAN    | 8.44         | ±9.6            |
| 0540         | AAC |  | WLAN    | 8.54         | ±9.6            |
|              |     | 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) | UncE k = 2 |
|-------|-----|---|---------|----------|------------|
| 10541 | AAC | IEEE 802.11ac WiFI (40 MHz, MCS7, 99pc duty cycle)              | WLAN    | 8.46     | ±9.6       |
| 10542 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)              | WLAN    | 8.65     | ±9.6       |
| 10543 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)              | WLAN    | 8.65     | ±9.6       |
| 10544 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)              | WLAN    | 8.47     | ±9.6       |
| 10545 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)              | WLAN    | 8.55     | ±9.6       |
| 10546 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)              | WLAN    | 8.35     | ±9.6       |
| 10547 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)              | WLAN    | 8.49     | ±9.6       |
| 10548 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)              | WLAN    | 8.37     |            |
| 10550 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)              | WLAN    | 8.38     | ±9.6       |
| 10551 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)              | WIAN    |          | ±9.6       |
| 10552 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)              | WLAN    | 8.50     | ±9.6       |
| 10553 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)              | WLAN    | 8.45     | ±9.6       |
| 10554 | AAD | IEEE 802.11ac WiFI (160 MHz, MCS0, 99pc duty cycle)             | WLAN    |          | ±9.6       |
| 10555 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)             | WLAN    | 8.48     | ±9.6       |
| 10556 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)             | WLAN    | 8.47     | ±9.6       |
| 10557 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)             | WLAN    | 10.00    | ±9.6       |
| 10558 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)             |         | 8.52     | ±9.6       |
| 10560 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)             | WLAN    | 8.61     | ±9.6       |
| 10561 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)             | WLAN    | 8.73     | ±9.6       |
| 10562 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)             | WLAN    | 8.56     | ±9.6       |
| 10563 | AAD | IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)             | WLAN    | 8.69     | ±9.6       |
| 10564 | AAA | IEEE 903 11 a WIFI (160 MIRZ, MCS9, 99DC GUTY CYCIE)            | WLAN    | 8.77     | ±9.6       |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)  | WLAN    | 8,25     | ±9.6       |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | WLAN    | 8.45     | ±9.6       |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | WLAN    | 8.13     | ±9.6       |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) | WLAN    | 8.00     | ±9.6       |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | WLAN    | 8.37     | ±9.6       |
|       |     | 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, 90pc duty cycle)       | WLAN    | 1.99     | ±9.6       |
|       | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)       | WLAN    | 1.99     | ±9.6       |
| 10573 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)     | WLAN    | 1.98     | ±9.6       |
| 10574 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)      | WLAN    | 1.98     | ±9.6       |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)  | WLAN    | 8.59     | ±9.6       |
| 10576 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)  | WLAN    | 8.60     | ±9.6       |
| 10577 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) | WLAN    | 8.70     | ±9.6       |
| 10578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) | WLAN    | 8.49     | ±9.6       |
| 10579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) | WLAN    | 8.36     | ±9.6       |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) | WLAN    | 8.76     | ±9.6       |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) | WLAN    | 8.35     | ±9.6       |
| 10582 | AAA | IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) | WLAN    | 8.67     | ±9.6       |
| 10583 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)       | WLAN    | 8.59     | ±9.6       |
| 10584 | AAC | IEEE 802.11a/h WiFl 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)       | WLAN    | 8.60     | ±9.6       |
| 10585 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)      | WLAN    | 8.70     | ±9.6       |
| 10586 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)      | WLAN    | 8.49     | ±9.6       |
| 0587  | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)      | WLAN    | 8.36     | 19.6       |
| 0588  | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)      | WLAN    | 8.76     | ±9.6       |
| 10589 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)      | WLAN    | 8.35     | ±9.6       |
| 0590  | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)      | WLAN    | 8.67     | ±9.6       |
| 0591  | AAC | IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)          | WLAN    | 8.63     | ±9.6       |
| 0592  | AAC | IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)          | WLAN    | 8.79     | ±9.6       |
| 0593  | AAC | IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)          | WLAN    | 8.64     | +9.6       |
| 0594  | AAC | IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)          | WLAN    | 8.74     | ±9.6       |
| 0595  | AAC | IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)          | WLAN    | 8.74     | ±9.6       |
| 0596  | AAC | IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)          | WLAN    | 8.71     | ±9.6       |
| 0597  | AAC | IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)          | WLAN    | 8.72     | ±9.6       |
| 0598  | AAC | IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)          | WLAN    | 8.50     |            |
| 0599  | AAC | IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)          | WLAN    | 8.79     | ±9.6       |
| 0600  | AAC | IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)          | WLAN    | 8.88     | ±9.6       |
| 0601  | AAC | IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)          | WLAN    | 8.88     |            |
| 0602  | AAC | IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)          | 177-077 |          | ±9.6       |
| 0603  | AAC | IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)          | WLAN    | 8.94     | ±9.6       |
| 0604  | AAC | IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)          | WLAN    | 9.03     | ±9.6       |
| 0605  | AAC | IEEE 802.11n (HT Mixed, 40 MHz, MCSS, 90pc duty cycle)          | WLAN    | 8.76     | ±9.6       |
| 0606  | AAC | IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)          | WLAN    | 8.97     | ±9.6       |
| 0607  | AAC | IEEE 802.111ac WiFi (20 MHz, MCS0, 90pc duty cycle)             | WLAN    | 8.82     | ±9.6       |
| 0608  | AAC |   | WLAN    | 8.64     | ±9.6       |
|       |     | IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)              | WLAN    | 8.77     | ±9.6       |

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|   | Rev                             | Communication System Name  | Group                                | PAR (dB)                             | UncE k = 2                           |
|---|---------------------------------|--|--------------------------------------|--------------------------------------|--------------------------------------|
| 10609   | AAC                             | IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)   | WLAN                                 | 8.57                                 | ±9.6                                 |
| 10610   | AAC                             | IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)   | WLAN                                 | 8.78                                 | ±9.6                                 |
| 10611   | AAC                             | IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)   | WLAN                                 | 8.70                                 | ±9.6                                 |
| 10612   | AAC                             | IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)   | WLAN                                 | 8.77                                 | ±9.6                                 |
| 10613   | AAC                             | IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)   | WLAN                                 | 8.94                                 | 19.6                                 |
| 10614   | AAC                             | IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)   | WLAN                                 | 8.59                                 | ±9.6                                 |
| 10615   | AAC                             | IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)   | WLAN                                 | 8.82                                 | ±9.6                                 |
| 10616   | AAC                             | IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)   | WLAN                                 | 8.82                                 | ±9.6                                 |
| 10617   | AAC                             | IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)   | WLAN                                 | 8.81                                 | ±9.6                                 |
| 10618   | AAC                             | IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)   | WLAN                                 | 8.58                                 | ±9.6                                 |
| 10619   | AAC                             | IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)   | WLAN                                 | 8.86                                 | ±9.6                                 |
| 10620   | AAC                             | IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)   | WLAN                                 | 8.87                                 | ±9.6                                 |
| 10621   | AAC                             | IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)   | WLAN                                 | 8.77                                 |                                      |
| 10622   | AAC                             | IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)   | WLAN                                 | 8.68                                 | ±9.6                                 |
| 10623   | AAC                             | IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)   | WLAN                                 | 8.82                                 | ±9.6                                 |
| 10624   | AAC                             | IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)   | WLAN                                 |                                      | ±9.6                                 |
| 10625   | AAC                             | IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)   |                                      | 8.96                                 | ±9.6                                 |
| 10626   | AAC                             | IEEE 802.11ac WIFI (80 MHz, MCS0, 90pc duty cycle)   | WLAN                                 | 8.96                                 | ±9.6                                 |
| 10627   | AAC                             | IEEE 802.11ac WiFI (80 MHz, MCS1, 90pc duty cycle)   | WLAN                                 | 8.83                                 | ±9.6                                 |
| 10628   | AAC                             | IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)   | WLAN                                 | 8.88                                 | ±9.6                                 |
| 10629   | AAC                             | IEEE 802.11ac WiFI (80 MHz, MCS2, 90pc duty cycle)   | WLAN                                 | 8.71                                 | ±9.6                                 |
| 10630   | AAC                             |  | WLAN                                 | 8.85                                 | ±9.6                                 |
| 10631   | AAC                             | IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)   | WLAN                                 | 8.72                                 | ±9.6                                 |
| -   | -                               | IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)   | WLAN                                 | 8.81                                 | ±9.6                                 |
| 10632   | AAC                             | IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)   | WLAN                                 | 8.74                                 | ±9.6                                 |
| 10633   | AAC                             | IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)   | WLAN                                 | 8.83                                 | ±9.6                                 |
| 10634   | AAC                             | IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)   | WLAN                                 | 8.80                                 | ±9.6                                 |
| 10635   | AAC                             | 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                                 | 8.98                                 | ±9.6                                 |
| 10641   | AAD                             | IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)  | WLAN                                 | 9.06                                 | ±9.6                                 |
| 10642   | AAD                             | IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)  | WLAN                                 | 9.06                                 | 19.6                                 |
| 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                                 | 19.6                                 |
| 10645   | AAD                             | IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)  | WLAN                                 | 9.11                                 |                                      |
| 10646   | AAH                             | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)  | LTE-TDD                              | 11.96                                | ±9.6                                 |
| 10647   | AAG                             | LTE-TDD (SC-FDMA, 1 RB, 20 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                              |                                      | ±9.6                                 |
| 10653   | AAF                             | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)  |                                      | 6.91                                 | ±9.6                                 |
| 10654   | AAE                             | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)  | LTE-TDD                              | 7.42                                 | ±9.6                                 |
| 10655   | AAF                             | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)  | LTE-TDD                              | 6.96                                 | ±9.6                                 |
| 10658   | AAB                             | Pulse Waveform (200Hz, 10%)  | LTE-TDD                              | 7.21                                 | ±9.6                                 |
| 10659   | AAB                             | Pulse Waveform (200Hz, 20%)  | Test                                 | 10.00                                | ±9.6                                 |
| 10660   | AAB                             |  | Test                                 | 6.99                                 | ±9.6                                 |
| 10661   | AAB                             | Pulse Waveform (200Hz, 40%)  | Test                                 | 3.98                                 | ±9.6                                 |
| 10662   | AAB                             | Pulse Waveform (200Hz, 60%)  | Test                                 | 2.22                                 | ±9.6                                 |
|   |                                 | 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                                 | 8.78                                 | ±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                                 | 8.90                                 | ±9.6                                 |
|   | AAC                             | IEEE 802,11ax (20 MHz, MCS5, 90pc duty cycle)  | WLAN                                 | 8.77                                 | ±9.6                                 |
| 0676  | AAC                             | IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)  | WLAN                                 | 8.73                                 | ±9.6                                 |
| 0676<br>10677   |                                 | IFFE BOOK FROM COOKING ALCOHOLOGY OF THE STATE OF THE STA | WLAN                                 | 8.78                                 | ±9.6                                 |
| 0676<br>10677<br>10678                                      | AAC                             | IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)  |                                      |                                      |                                      |
| 10676<br>10677<br>10678<br>10679                            |                                 | IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)  |                                      |                                      |                                      |
| 10676<br>10677<br>10678<br>10679                            | AAC                             | IEEE 802.11ax (20 MHz, MCSF, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCSB, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCSB, 90pc duty cycle)  | WLAN                                 | 8.89                                 | ±9.6                                 |
| 10676<br>10677<br>10678<br>10679<br>10680                   | AAC                             | IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)  | WLAN<br>WLAN                         | 8,89<br>8,80                         | ±9.6<br>±9.6                         |
| 10676<br>10677<br>10678<br>10679<br>10680                   | AAC<br>AAC                      | IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)<br>  IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)<br>  IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)   | WLAN<br>WLAN<br>WLAN                 | 8.89<br>8.80<br>8.62                 | ±9.6<br>±9.6<br>±9.6                 |
| 10676<br>10677<br>10678<br>10679<br>10680<br>10681<br>10682 | AAC<br>AAC<br>AAC               | IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)  | WLAN<br>WLAN<br>WLAN<br>WLAN         | 8.89<br>8.80<br>8.62<br>8.83         | ±9.6<br>±9.6<br>±9.6                 |
| 10676<br>10677<br>10678<br>10679<br>10680<br>10681<br>10682 | AAC<br>AAC<br>AAC<br>AAC        | IEEE 802.1 1ax (20 MHz, MCS8, 90c duty cycle) IEEE 802.1 1ax (20 MHz, MCS8, 90c duty cycle) IEEE 802.1 1ax (20 MHz, MCS9, 90c duty cycle) IEEE 802.1 1ax (20 MHz, MCS11, 90c duty cycle) IEEE 802.1 1ax (20 MHz, MCS11, 90c duty cycle) IEEE 802.1 1ax (20 MHz, MCS91, 90c duty cycle)   | WLAN<br>WLAN<br>WLAN<br>WLAN<br>WLAN | 8.89<br>8.80<br>8.62<br>8.83<br>8.42 | ±9.6<br>±9.6<br>±9.6<br>±9.6<br>±9.6 |
| 10676<br>10677<br>10678<br>10679<br>10680<br>10681<br>10682 | AAC<br>AAC<br>AAC<br>AAC<br>AAC | IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)  | WLAN<br>WLAN<br>WLAN<br>WLAN         | 8.89<br>8.80<br>8.62<br>8.83         | ±9.6<br>±9.6<br>±9.6                 |

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| UID<br>10687 | Rev | Communication System Name                      | Group | PAR (dB) | UncE k = 2   |
|--------------|-----|--|-------|----------|--------------|
|              | 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  | 8.29     | ±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  | 8.78     | ±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  | 8.86     | ±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     |              |
| 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<br>±9.6 |
| 10709        | AAC | IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)  | WLAN  | 8.33     |              |
| 10710        | AAC | (EEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)  | WLAN  |          | ±9.6         |
| 10711        | AAC | IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)  |       | 8.29     | ±9.6         |
| 10712        | AAC | IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)  | WLAN  | 8.39     | ±9.6         |
| 10713        | AAC | IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)  | WLAN  | 8.67     | ±9.6         |
| 10714        | AAC | IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)  | WLAN  | 8.33     | ±9.6         |
| 10715        | AAC | IEEE 802.11ax (40 MHz, MCSB, 99pc duty cycle)  | WLAN  | 8.26     | ±9.6         |
| 10716        | AAC | IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)  | WLAN  | 8.45     | ±9.6         |
| 10717        | AAG | IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle) | WLAN  | 8.30     | ±9.6         |
| 10718        | AAC | IEEE 802,11ax (40 MHz, MCS11, 99pc duty cycle) | WLAN  | 8.48     | ±9.6         |
| 10719        | AAC |  | WLAN  | 8.24     | ±9.6         |
| 10720        | AAC | IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)  | WLAN  | 8.81     | ±9.6         |
| 10721        | AAC | IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)  | WLAN  | 8.87     | ±9.6         |
| 10722        | AAC | IEEE 802,11ax (80 MHz, MCS2, 90pc duty cycle)  | WLAN  | 8.76     | ±9.6         |
| 10723        | AAC | IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)  | WLAN  | 8.55     | ±9.6         |
| 10724        | AAC | IEEE 802.11ax (80 MHz, MGS4, 90pc duty cycle)  | WLAN  | 8.70     | ±9.6         |
| 10725        | AAC | IEEE 802.11ax (80 MHz, MGS5, 90pc duty cycle)  | WLAN  | 8,90     | ±9.6         |
| 10726        |     | IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)  | WLAN  | 8.74     | ±9.6         |
|              | 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  | 8,64     | ±9.6         |
| 10730        | AAC | IEEE 802.11ax (80 MHz, MCS11, 90pc 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     | ±9.5         |
| 0739         | AAC | IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)  | WLAN  | 8.29     | ±9.6         |
| 0740         | AAC | IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)  | WLAN  | 8.48     | ±9.6         |
| 0741         | AAC | IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) | WLAN  | 8.40     | ±9.6         |
| 0742         | AAC | IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) | WLAN  | 8.43     | ±9.6         |
| 0743         | AAC | IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle) | WLAN  | 8.94     | ±9.6         |
| 0744         | AAC | IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) | WLAN  | 9.16     | ±9.6         |
| 0745         | AAC | IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle) | WLAN  | 8.93     | ±9.6         |
| 0746         | AAC | IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) | WLAN  | 9.11     | ±9.6         |
| 0747         | AAC | IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle) | WLAN  | 9.04     | ±9.6         |
| 0748         | AAC | IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) | WLAN  | 8.93     | ±9.6         |
| 0749         | AAC | IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle) | WLAN  | 8.90     |              |
| 0750         | AAC | IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle) | WLAN  | 8.90     | ±9.6         |
| 0751         | AAC | IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) | WLAN  | 8.79     | ±9.6         |
| 0752         | AAC | IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle) |       |          | ±9.6         |
| -100         |     | (  | WLAN  | 8.81     | ±9.6         |

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| UID<br>10753 | Rev | Communication System Name  | Group         | PAR (dB) | UncE k = 2 |
|--------------|-----|--|---------------|----------|------------|
|              | AAC | IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)  | WLAN          | 9.00     | ±9.6       |
| 10754        | AAC | IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)  | WLAN          | 8,94     | ±9.6       |
|              |     | IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)   | WLAN          | 8.64     | ±9.6       |
| 10756        | AAC | IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)   | WLAN          | 8.77     | ±9.6       |
| 10757        | AAC | IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)   | WLAN          | 8.77     | ±9.6       |
| 10758        | AAC | IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)   | WLAN          | 8.69     | ±9.6       |
| 10759        | AAC | IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)   | WLAN          | 8.58     | ±9.6       |
| 10760        | AAC | IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)   | WLAN          | 8.49     | ±9.6       |
| 10761        | AAG | IEEE 802,11ax (160 MHz, MCS6, 99pc duty cycle)   | WLAN          | 8.58     | ±9.6       |
| 10762        | AAC | IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)   | WLAN          | 8.49     | ±9.6       |
|              |     | IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)   | WLAN          | 8.53     | ±9.6       |
| 10764        | AAC | IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)   | WLAN          | 8.54     | ±9.6       |
| 10766        | AAC | IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)  | WLAN          | B.54     | ±9.6       |
| 10767        | AAE | IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)  | WLAN          | 8.51     | ±9.6       |
| 10768        | AAD | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 7.99     | ±9.6       |
| 10769        |     | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.01     | ±9.6       |
|              | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.01     | ±9.6       |
| 10770        | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.02     | ±9.6       |
|              |     | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.02     | ±9.6       |
| 10772        | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.23     | ±9.6       |
| 10774        | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.03     | ±9.6       |
| 10774        | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.02     | ±9.6       |
| 10776        | AAD | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.31     | ±9.6       |
| 10776        | AAC | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.30     | ±9.6       |
| 10778        | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.30     | ±9.6       |
| 10778        | AAC | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.34     | ±9.6       |
| 0780         | AAD | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.42     | ±9.6       |
| 0781         | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.38     | ±9.6       |
|              |     | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.38     | ±9.6       |
| 0782<br>0783 | AAD | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.43     | ±9.6       |
|              |     | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.31     | ±9.6       |
| 10784        | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.29     | ±9.6       |
| 10786        | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.40     | ±9.6       |
| 10786        | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.35     | ±9.6       |
| 0788         | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.44     | ±9.6       |
| 0789         | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.39     | ±9.6       |
| 0790         | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.37     | ±9.6       |
| 0791         | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.39     | ±9.6       |
| 0792         | AAD | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 7.83     | ±9.6       |
| 0793         | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 7.92     | ±9.6       |
| 0794         | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 7.95     | ±9.6       |
| 0795         | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 7.82     | ±9.6       |
| 0796         | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 7.84     | ±9.6       |
| 0797         | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 7.82     | ±9.6       |
| 0798         | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.01     | ±9.6       |
| 0799         | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 7.89     | ±9.6       |
| 0801         | AAD | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 7.93     | ±9.6       |
| 0802         | AAD | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 7.89     | ±9.6       |
| 0803         | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 7.87     | ±9.6       |
| 0805         | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 7.93     | ±9.6       |
| 0806         | AAD | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.34     | ±9,6       |
| 0809         | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.37     | ±9,6       |
| 0810         | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)<br>5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.34     | ±9.6       |
| 0812         | AAD | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 8.34     | ±9.6       |
| 0817         | AAE | 5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.35     | ±9.6       |
| 0818         | AAD | 5G NR (CP-OFDM, 100% HB, 5 MHz, QPSK, 30 kHz)<br>5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.35     | ±9.6       |
| 0819         | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 KHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 KHz)    | 5G NR FR1 TDD | 8.34     | ±9.6       |
| 0820         | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.33     | ±9.6       |
| 0821         | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)<br>5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.30     | ±9.6       |
| 0822         | AAD |  | 5G NR FR1 TDD | 8.41     | ±9.6       |
| 0823         | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 KHz)   | 5G NR FR1 TDD | 8.41     | ±9.6       |
| 0824         | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 KHz)   | 5G NR FR1 TDD | 8.36     | ±9.6       |
| 0825         | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz)   | 5G NR FR1 TDD | 8.39     | ±9.6       |
| 0825         | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.41     | ±9.6       |
|              | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)<br>5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.42     | ±9.6       |
| 0828         |     |  | 5G NR FR1 TDD | 8.43     | ±9.6       |

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| UID            | Rev | Communication System Name  | Group         | PAR (dB) | UncE k=2 |
|----------------|-----|--|---------------|----------|----------|
| 10829          | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.40     | ±9.6     |
| 10830          | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.63     | ±9.6     |
| 10831          | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.73     | ±9.6     |
| 10832          | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.74     | ±9.6     |
| 10833          | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.70     | ±9.6     |
| 10834          | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.75     | ±9.6     |
| 10835          | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.70     | ±9.6     |
| 10836          | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.66     | ±9.6     |
| 10837          | AAD | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.68     | ±9.6     |
| 10839          | AAD | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.70     | ±9.6     |
| 10840          | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.67     | ±9.6     |
| 10841          | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 7.71     | ±9.6     |
| 10843          | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.49     | ±9.6     |
| 10844          | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.34     | ±9.6     |
| 10854          | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.41     | ±9.6     |
| 17.7.          |     | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.34     | ±9.6     |
| 10855          | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.36     | ±9.6     |
| 10856          | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.37     | ±9.6     |
|                |     | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.35     | ±9.6     |
| 10858<br>10859 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.36     | ±9.6     |
|                |     | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.34     | ±9.6     |
| 10860          | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.41     | ±9.6     |
| 10861          | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.40     | ±9.6     |
| 10864          | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.41     | ±9.6     |
| 10865          | AAD | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.37     | ±9.6     |
| 10866          | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.41     | ±9.6     |
| 10868          | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.68     | ±9.6     |
| 10869          | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5,89     | ±9.6     |
| 10870          | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)   | 5G NR FR2 TDD | 5.75     | ±9.6     |
| 10871          | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)  | 5G NR FR2 TDD | 5,86     | ±9.6     |
| 10872          | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 5.75     | ±9.6     |
| 10873          | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)   | 5G NR FR2 TDD | 6.52     | ±9.6     |
| 10874          | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)  | 5G NR FR2 TDD | 6.61     | ±9.6     |
| 10875          | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)   | 5G NR FR2 TDD | 6.65     | ±9.6     |
| 10876          | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)  | 5G NR FR2 TDD | 7.78     | ±9.6     |
| 10877          | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)   | 5G NR FR2 TDD | 8.39     | ±9,6     |
| 10878          | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)   | 5G NR FR2 TDD | 7.95     | ±9.6     |
| 10879          | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 8.41     | ±9.6     |
| 10880          | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)<br>5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)  | 5G NR FR2 TDD | 8.12     | ±9.6     |
| 10881          | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)  | 5G NR FR2 TDD | 8.38     | ±9.6     |
| 10882          | AAE |  | 5G NR FR2 TDD | 5.75     | ±9.6     |
| 10883          | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 5.96     | ±9.6     |
| 10884          | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 6.57     | ±9.6     |
| 10885          | AAE | 5G NR (DFT-s-OFDM, 100% HB, 50 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.53     | ±9.6     |
| 10886          | AAE | 5G NR (DFT-s-OFDM, 1 HB, 50 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61     | ±9.6     |
| 10887          | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)   | 5G NR FR2 TDD | 6.65     | ±9.6     |
| 10888          | AAE | 5G NR (CP-OFDM, 1 HB, 50 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)         | 5G NR FR2 TOD | 7.78     | 19.6     |
| 10889          | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 8.35     | ±9.6     |
| 10890          | AAE | 5G NR (CP-OFDM, 1 NS, 50 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 8.02     | ±9.6     |
| 0891           | AAF | 5G NR (CP-OFDM, 1 RB, 50 MHz, 18QAM, 120 kHz)  | 5G NR FR2 TDD | 8.40     | ±9.6     |
| 10892          | AAE | 5G NR (CP-OFDM, 1 NB, 50 MHz, 64QAM, 120 KHz)  | 5G NR FR2 TDD | 8.13     | ±9.6     |
| 0897           | AAC | 5G NR (DFT-s-OFDM, 1 RB, 5MHz, OPSK, 30 kHz)   | 5G NR FR2 TDD | 8.41     | ±9.6     |
| 0898           | AAB | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.66     | ±9.6     |
| 0899           | AAB | 5G NR (DFT-s-OFDM, 1 RB, 15MHz, QPSK, 30KHz)   | 5G NR FR1 TDD | 5.67     | ±9.6     |
| 0900           | AAB | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)   |               | 5.67     | ±9.6     |
| 0901           | AAB | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.68     | ±9.6     |
| 0902           | AAB | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)   |               | 5,68     | ±9.6     |
| 0903           | AAB | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.68     | ±9.6     |
| 0904           | AAB | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.68     | ±9.6     |
| 0905           | AAB | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)   |               | 5.68     | ±9.6     |
| 0906           | AAB | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.68     | ±9.6     |
| 0907           | AAC | 5G NR (DFT-s-OFDM, 1 HB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.68     | ±9.6     |
| 0908           | AAB | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.78     | ±9.6     |
| 0909           | AAB | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.93     | ±9.6     |
| 0910           | AAB | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.96     | ±9.6     |
|                |     | JU NIT (DE PS-OF DM, 30% HB, 20 MHZ, QPSK, 30 KHZ)   | 5G NR FR1 TDD | 5.83     | ±9.6     |

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| UID   | Rev | Communication System Name  | Group         | PAR (dB) | UncE 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 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6       |
| 10914 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6       |
| 10915 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.85     | ±9.6       |
| 10916 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.83     | ±9.6       |
| 10916 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.87     | ±9.6       |
| 10917 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.94     | ±9.6       |
| 10918 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.86     | ±9.6       |
| 10919 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.86     | ±9.6       |
| 10920 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.87     | ±9.6       |
| 10922 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.84     | ±9.6       |
| 10923 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.82     | ±9.6       |
| 10923 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.84     | ±9.6       |
| 10925 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.84     | ±9.6       |
| 10925 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.95     | ±9.6       |
| 10927 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.84     | ±9.6       |
| 10927 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.94     | ±9.6       |
| 10929 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.52     | ±9.6       |
| 10930 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.52     | ±9.6       |
| 10930 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.52     | ±9.6       |
| 10932 | 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       |
| 10935 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.51     | ±9.6       |
| 10936 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.51     | ±9.6       |
| 10937 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.90     | ±9.6       |
| 10938 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.77     | ±9.6       |
| 10939 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 KHz)   | 5G NR FR1 FDD | 5.90     | ±9.6       |
| 10940 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5,82     | ±9.6       |
| 10941 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.89     | ±9.6       |
| 10942 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 KHz)   | 5G NR FR1 FDD | 5.83     | ±9.6       |
| 10942 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.85     | ±9.6       |
| 10944 | AAC |  | 5G NR FR1 FDD | 5.95     | ±9.6       |
| 10945 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz) 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15kHz)        | 5G NR FR1 FDD | 5.81     | ±9.6       |
| 10946 | AAC |  | 5G NR FR1 FDD | 5.85     | ±9.6       |
| 10947 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.83     | ±9.6       |
| 10948 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)<br>5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87     | ±9.6       |
| 10949 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz)  | 5G NR FR1 FDD | 5.94     | ±9.6       |
| 10950 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)  | 5G NR FR1 FDD | 5.87     | ±9.6       |
| 10951 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)  | 5G NR FR1 FDD | 5.94     | ±9.6       |
| 10952 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 5.92     | ±9.6       |
| 10953 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)  | 5G NR FR1 FDD | 8.25     | ±9.6       |
| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 FDD | 8.15     | ±9.6       |
| 10955 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz)   | 5G NR FR1 FDD | 8.23     | ±9.6       |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 KHz)  | 5G NR FR1 FDD | 8.42     | ±9.6       |
| 10957 | AAA | 5G NR DL (CP-OFDM, 1M 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 FDD | 8.14     | ±9.6       |
| 10958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 FDD | 8.31     | ±9.6       |
| 10959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 13 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 FDD | 8.61     | ±9.6       |
| 10960 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)  |               | 8.33     | ±9.6       |
| 10961 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.32     | ±9,6       |
| 10962 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 TDD | 9.36     | ±9.6       |
| 10963 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz)   | 5G NR FR1 TDD | 9.40     | ±9.6       |
| 10964 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.55     | ±9.6       |
| 0965  | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.29     | ±9.6       |
| 0966  | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.37     | ±9.6       |
| 0967  | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.55     | ±9.6       |
| 0968  | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 KHz)   | 5G NR FR1 TDD | 9.42     | ±9.6       |
| 0972  | AAB | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 9.49     | ±9.6       |
| 0973  | AAB | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 11.59    | ±9.6       |
| 0974  | AAB | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 9.06     | ±9.6       |
| 0978  | AAA | ULLA BDR   | 5G NR FR1 TDD | 10.28    | ±9.6       |
| 0979  | AAA | ULLA HDR4  | ULLA          | 1.16     | ±9.6       |
| 10980 | AAA | ULLA HDR8  | ULLA          | 8.58     | ±9.6       |
| 10981 | AAA | ULLA HDRD4   | ULLA          | 10.32    | ±9.6       |
|       | AAA | ULLA HDRp8   | ULLA          | 3.19     | ±9.6       |
| 10982 |     |  | ULLA          | 3.43     | ±9.6       |

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| UID   | Rev | Communication System Name                          | Group         | PAR (dB) | UncE k=2 |
|-------|-----|--|---------------|----------|----------|
| 10983 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.31     | +9.6     |
| 10984 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.42     | ±9.6     |
| 10985 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.54     |          |
| 10986 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.50     | ±9.6     |
| 10987 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.53     | ±9.6     |
| 10988 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.53     | ±9.6     |
| 10989 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.33     | ±9.6     |
| 10990 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD |          | ±9.6     |
| 11003 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.52     | ±9.6     |
| 11004 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 10.24    | ±9,6     |
| 11005 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 10.73    | ±9,6     |
| 11006 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz) |               | 8.70     | ±9.6     |
| 11007 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.55     | ±9.6     |
| 11008 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.46     | ±9.6     |
| 11009 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.51     | ±9.6     |
| 11010 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.76     | ±9.6     |
| 11011 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.95     | ±9.6     |
| 11012 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.96     | ±9.6     |
| 11013 | AAA | IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)     | 5G NR FR1 FDD | 8.68     | ±9.6     |
| 11014 | AAA | IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)     | WLAN          | 8.47     | ±9,6     |
| 11015 | AAA | IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)     | WLAN          | 8.45     | ±9.6     |
| 11016 | AAA | IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)     | WLAN          | B.44     | ±9.6     |
| 11017 | AAA | IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)     | WLAN          | 8.44     | ±9.6     |
| 11018 | AAA |  | WLAN          | 8.41     | ±9.6     |
| 11019 | AAA | IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)     | WLAN          | 8.40     | ±9.6     |
| 11020 | AAA | IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)     | WLAN          | 8.29     | ±9.6     |
| 11020 | AAA | IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)     | WLAN          | 8.27     | ±9.6     |
| 11022 |     | IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)     | WLAN          | 8.46     | ±9.6     |
| 11022 | AAA | IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)    | WLAN          | 8.36     | ±9.6     |
|       | AAA | IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)    | WLAN          | 8.09     | ±9.6     |
| 11024 | AAA | IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)    | WLAN          | 8.42     | ±9.6     |
| 11025 | AAA | IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)    | WLAN          | 8.37     | ±9.6     |
| 11026 | AAA | IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)     | WLAN          | 8.39     | ±9.6     |

E Uncertainty is determined using the max, deviation from linear response applying rectangular distribution and is expressed for the square of the field value

Certificate No: EUmm-9616 Mar23

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Client SGS

Taoyuan City, Taiwan

Certificate No: DAE4-856\_Apr23

**CALIBRATION CERTIFICATE** 

ject DAE4 - SD 000 D04 BM - SN: 856

Calibration procedure(s) QA CAL-06,v30

Calibration procedure for the data acquisition electronics (DAE)

Calibration date: April 26, 2023

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&TE critical for calibration)

 Primary Standards
 ID #
 Cal Date (Certificate No.)
 Scheduled Calibration

 Keithley Mullimeter Type 2001
 SN: 0810278
 29-Aug-22 (No:34389)
 Aug-23

 Secondary Standards
 ID #
 Check Date (In house)
 Scheduled Check

 Auto DAE Calibration Unit
 SE UWS 053 AA 1001
 27-Jan-23 (in house check)
 In house check: Jan-24

 Calibrator Box V2.1
 SE UMS 006 AA 1002
 27-Jan-23 (in house check)
 In house check: Jan-24

Calibrated by:

Name Dominique Steffen Function

Laboratory Technician

Approved by:

Sven Kühn

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Technical Manager

Issued: April 26, 2023

Certificate No; DAE4-856 Apr23

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# Glossary

DAE data acquisition electronics

Connector angle information used in DASY system to align probe sensor X to the robot coordinate system.

#### Methods Applied and Interpretation of Parameters

- DC Voltage Measurement: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- Connector angle: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
  - DC Voltage Measurement Linearity: Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
  - Common mode sensitivity: Influence of a positive or negative common mode voltage on the differential measurement.
  - Channel separation: Influence of a voltage on the neighbor channels not subject to an input voltage.
  - AD Converter Values with inputs shorted: Values on the internal AD converter corresponding to zero input voltage
  - Input Offset Measurement. Output voltage and statistical results over a large number of zero voltage measurements
  - Input Offset Current: Typical value for information; Maximum channel input offset current, not considering the input resistance
  - Input resistance: Typical value for information: DAE input resistance at the connector, during internal auto-zeroing and during measurement.
  - Low Battery Alarm Voltage: Typical value for information. Below this voltage, a battery alarm signal is generated.
  - Power consumption: Typical value for information. Supply currents in various operating

Certificate No: DAE4-856\_Apr23

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#### DC Voltage Measurement

A/D - Converter Resolution nominal High Range: 1LSB = Low Range: 1LSB = High Range: 1LSB = 6.1 µV , full range = -100...+300 mV Low Range: 1LSB = 61 nV , full range = -1,...,.+3mV DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

| Calibration Factors | X                     | Y                     | Z                     |
|---------------------|-----------------------|-----------------------|-----------------------|
| High Range          | 403.370 ± 0.02% (k=2) | 404.486 ± 0.02% (k=2) | 403.808 ± 0.02% (k=2) |
| Low Range           | 3.97542 ± 1.50% (k=2) | 3.98680 ± 1.50% (k=2) | 3.96383 ± 1.50% (k=2) |

#### Connector Angle

| 64.0 ° ± 1 ° |
|--------------|
|              |

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# Appendix (Additional assessments outside the scope of SCS0108)

#### 1. DC Voltage Linearity

| High Range        | Reading (µV) | Difference (µV) | Error (%) |
|-------------------|--------------|-----------------|-----------|
| Channel X + Input | 199995.45    | -0.16           | -0.00     |
| Channel X + Input | 20000.79     | -1.95           | -0.01     |
| Channel X - Input | -19999.94    | 1.32            | -0.01     |
| Channel Y + Input | 199995.47    | -0.01           | -0.00     |
| Channel Y + Input | 19999.71     | -2.77           | -0.01     |
| Channel Y - Input | -20001.74    | -0.33           | 0.00      |
| Channel Z + Input | 199996.14    | 0.85            | 0.00      |
| Channel Z + Input | 20000.02     | -2,41           | -0.01     |
| Channel Z - Input | -20002.27    | -0.77           | 0.00      |

| Low Range         | Reading (μV) | Difference (µV) | Error (%) |
|-------------------|--------------|-----------------|-----------|
| Channel X + Input | 2001.78      | 0.12            | 0.01      |
| Channel X + Input | 202.40       | 0.62            | 0.31      |
| Channel X - Input | -197.53      | 0.27            | -0.14     |
| Channel Y + Input | 2001.63      | 0.07            | 0.00      |
| Channel Y + Input | 201.29       | -0.49           | -0.24     |
| Channel Y - Input | -198.64      | -0.68           | 0.34      |
| Channel Z + Input | 2001.47      | -0.02           | -0.00     |
| Channel Z + Input | 200.66       | -1.10           | -0.55     |
| Channel Z - Input | -199.66      | -1.70           | 0.86      |
|                   |              |                 |           |

#### 2. Common mode sensitivity

|           | Common mode<br>Input Voltage (mV) | High Range<br>Average Reading (μV) | Low Range<br>Average Reading (μV) |
|-----------|-----------------------------------|------------------------------------|-----------------------------------|
| Channel X | 200                               | -14.74                             | -15.96                            |
|           | - 200                             | 17.58                              | 16.13                             |
| Channel Y | 200                               | -2.02                              | -1.85                             |
|           | - 200                             | 0.84                               | 0.65                              |
| Channel Z | 200                               | 10.20                              | 10.60                             |
|           | - 200                             | -13.62                             | -13.52                            |

#### 3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

|           | Input Voltage (mV) | Channel X (µV) | Channel Y (μV) | Channel Z (μV) |
|-----------|--------------------|----------------|----------------|----------------|
| Channel X | 200                | 7              | 2.57           | -3.02          |
| Channel Y | 200                | 6.55           | ide i          | 2.52           |
| Channel Z | 200                | 8.37           | 5.01           | -              |

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# 4. AD-Converter Values with inputs shorted

|           | High Range (LSB) | Low Range (LSB) |
|-----------|------------------|-----------------|
| Channel X | 16218            | 15865           |
| Channel Y | 15948            | 15452           |
| Channel Z | 15894            | 16017           |

#### 5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec Input 10M $\Omega$ 

|           | Average (μV) | min. Offset (μV) | max. Offset (μV) | Std. Deviation<br>(µV) |
|-----------|--------------|------------------|------------------|------------------------|
| Channel X | 0.70         | 0.11             | 1.60             | 0.28                   |
| Channel Y | 1.51         | 0.49             | 2.67             | 0.44                   |
| Channel Z | 1.88         | 0.76             | 4.64             | 0.73                   |

### 6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

|           | Zeroing (kOhm) | Measuring (MOhm) |  |  |
|-----------|----------------|------------------|--|--|
| Channel X | 200            | 200              |  |  |
| Channel Y | 200            | 200              |  |  |
| Channel Z | 200            | 200              |  |  |

8. Low Battery Alarm Voltage (Typical values for information)

| Typical values | Alarm Level (VDC) |  |
|----------------|-------------------|--|
| Supply (+ Vcc) | +7.9              |  |
| Supply (- Vcc) | -7.6              |  |

9. Power Consumption (Typical values for information)

| Typical values | Switched off (mA) | Stand by (mA) | Transmitting (mA |  |
|----------------|-------------------|---------------|------------------|--|
| Supply (+ Vcc) | +0.01             | +6            | +14              |  |
| Supply (- Vcc) | -0.01             | -8            | -9               |  |

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Client

SGS

Taoyuan City, Taiwan

Certificate No.

EX-7712\_Apr23

#### **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7712

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 14, 2023

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) ℃ 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-Z91       | SN: 103244       | 30-Mar-23 (No. 217-03804)         | Mar-24                |
| OCP DAK-3.5 (weighted)     | SN: 1249         | 20-Oct-22 (OCP-DAK3.5-1249_Oct22) | Oct-23                |
| OCP DAK-12                 | SN: 1016         | 20-Oct-22 (OCP-DAK12-1016 Oct22)  | Oct-23                |
| 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 ES3DV2     | SN: 3013         | 06-Jan-23 (No. ES3-3013 Jan23)    | Jan-24                |
|                            |                  |                                   |                       |

| Secondary Standards     | ID               | Check Date (in house)             | Scheduled Check        |
|-------------------------|------------------|-----------------------------------|------------------------|
| Power meter E4419B      | SN: GB41293874   | 06-Apr-16 (in house check Jun-22) | In house check: Jun-24 |
| Power sensor E4412A     | SN: MY41498087   | 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: US3642U01700 | 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 |

Calibrated by

Laboratory Technician

Approved by

Sven Kühn Technical Manager

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Jeffrey Katzman

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#### Glossary

tissue simulating liquid sensitivity in free space sensitivity in TSL / NORMx,y,z NORMx,y,z ConvF

diode compression point crest factor (1/duty\_cycle) of the RF signal modulation dependent linearization parameters A, B, C, D

Polarization w w rotation around probe axis

Polarization 8  $\theta$  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 information used in DASY system to align probe sensor X to the robot coordinate system Connector Angle

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

- a) 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.
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

#### Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization  $\theta = 0$  ( $f \le 900$  MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E2-field uncertainty inside TSL (see below ConvF)
- NORM(f)x,  $\chi$  = NORMx,  $\chi$ , z \* 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
- DCPx,y,z: 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 Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: 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 ≤ 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 NORMx,yz \* Conyr\* Whereby the uncertainty cosponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from +50 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
- · Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis).
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

Certificate No: EX-7712\_Apr23

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EX3DV4 - SN:7712 April 14, 2023

#### Parameters of Probe: EX3DV4 - SN:7712

#### **Basic Calibration Parameters**

|                          | Sensor X | Sensor Y | Sensor Z | Unc (k = 2) |
|--------------------------|----------|----------|----------|-------------|
| Norm $(\mu V/(V/m)^2)$ A | 0.65     | 0.59     | 0.64     | ±10.1%      |
| DCP (mV) B               | 102.5    | 101.5    | 100.4    | ±4.7%       |

#### Calibration Results for Modulation Response

| UID   | Communication System Name  |   | A<br>dB | $dB\sqrt{\mu V}$ | С     | 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    | 135.8    | ±3.3%                      | ±4.7%                            |       |
|       |  | Y   | 0.00    | 0.00             | 1.00  | 17 10   | 133.8    |                            | -                                |       |
|       | the state of the s | Z   | 0.00    | 0.00             | 1.00  |         | 136.5    | 5                          |                                  |       |
| 10352 | Pulse Waveform (200Hz, 10%)  | X   | 1.45    | 60.28            | 5.80  | 10.00   | 60.0     | ±2.7%                      | ±9.6%                            |       |
|       |  | Y   | 1.36    | 60.00            | 5.90  | 1       | 60.0     |                            | -57                              |       |
|       |  | Z   | 1.50    | 60.69            | 6.18  |         | 60.0     |                            |                                  |       |
| 10353 | Pulse Waveform (200Hz, 20%)  | X   | 48.00   | 76.00            | 9.00  | 6.99    | 80,0     | 80.0 ±2.4%<br>80.0<br>80.0 | ±9.6%                            |       |
|       | 7,000,000,000,000,000,000  | Y   | 22.00   | 74.00            | 9.00  |         | 80.0     |                            |                                  |       |
|       |  | Z   | 0.81    | 60.00            | 4.62  |         | 80.0     |                            |                                  |       |
| 10354 | Pulse Waveform (200Hz, 40%)  | X   | 0.45    | 123.47           | 1.01  | 3.98    | 95.0     | 95.0 ±2.6%<br>95.0<br>95.0 | ±2.6%                            | ±9.6% |
|       | 100000000000000000000000000000000000000  | Y   | 0.44    | 60.00            | 3.47  |         | 95.0     |                            |                                  |       |
|       |  | Z   | 0.02    | 125.69           | 0.34  |         | 95.0     |                            |                                  |       |
| 10355 | Pulse Waveform (200Hz, 60%)  | X   | 4.31    | 159.86           | 14.19 | 2.22    | 120.0    | ±1.7%                      | ±9.69                            |       |
|       |  | Y   | 10.20   | 87.06            | 0.02  |         | 120.0    |                            |                                  |       |
|       |  | Z   | 1.07    | 159.92           | 0.86  |         | 120.0    |                            |                                  |       |
| 10387 | QPSK Waveform, 1 MHz   | X   | 0.69    | 65.49            | 12.63 |         | 150.0    | ±4.3%                      | ±9.6%                            |       |
|       |  | Y   | 0.64    | 65.75            | 13.28 |         | 150.0    |                            |                                  |       |
|       |  | Z   | 0.53    | 64.94            | 13.14 |         | 150.0    |                            |                                  |       |
| 10388 | QPSK Waveform, 10 MHz  | X   | 1.44    | 66.26            | 14.19 | 0.00    | 150.0    | ±1.1%                      | ±9.69                            |       |
|       | Carried and a series of  | Y   | 1.44    | 66.89            | 14.44 |         | 150.0    |                            | 3187                             |       |
|       |  | Z   | 1.48    | 67.93            | 14.98 |         | 150.0    |                            |                                  |       |
| 10396 | 64-QAM Waveform, 100 kHz   | QAM Waveform, 100 kHz X 1.71 64.94 16.36 3. | 3.01    | 150.0 ±1.0%      | ±9.69 |         |          |                            |                                  |       |
|       | PARTY CONTRACTOR OF THE PARTY O | Y   | 1.81    | 65.93            | 16.84 |         | 150.0    | - Transfer                 |                                  |       |
|       |  | Z   | 1.64    | 64.38            | 16.40 | 1       | 150.0    |                            |                                  |       |
| 10399 | 64-QAM Waveform, 40 MHz  | X   | 2.91    | 66.39            | 15.20 | 0.00    | 150.0    | ±2.4%                      | ±9.69                            |       |
|       | Canal Control of the Control of the Control  | Y   | 2.90    | 66.68            | 15.34 | 1       | 150.0    |                            | -                                |       |
|       | The second second  | Z   | 2.91    | 66.95            | 15.60 |         | 150.0    |                            |                                  |       |
| 10414 | WLAN CCDF, 64-QAM, 40 MHz  | X   | 3.97    | 65.97            | 15.39 | 0.00    | 150.0    | ±4.2%                      | ±9.69                            |       |
|       | 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | Y   | 3.89    | 66.24            | 15.45 | 1000    | 150.0    |                            | 2000                             |       |
|       |  | Z   | 3.89    | 66.45            | 15.66 |         | 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%

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

B Linearization parameter uncertainty for maximum specified field strength.

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



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#### Parameters of Probe: EX3DV4 - SN:7712

#### Sensor Model Parameters

|   | C1<br>fF | C2<br>fF | α<br>V <sup>-1</sup> | T1<br>msV <sup>-2</sup> | T2<br>msV <sup>-1</sup> | T3<br>ms | T4<br>V-2 | T5<br>V-1 | Т6   |
|---|----------|----------|----------------------|-------------------------|-------------------------|----------|-----------|-----------|------|
| X | 11.8     | 87.37    | 34.95                | 2.97                    | 0.00                    | 4.90     | 0.26      | 0.03      | 1.00 |
| У | 10.1     | 73.28    | 33.86                | 4.02                    | 0.00                    | 4.90     | 0.53      | 0.00      | 1.00 |
| Z | 9.7      | 72.48    | 35.51                | 3.41                    | 0.00                    | 4.92     | 0.07      | 0.05      | 1.00 |

#### Other Probe Parameters

| Sensor Arrangement                            | Triangular |
|---|------------|
| Connector Angle                               | 127.9°     |
| Mechanical Surface Detection Mode             | enabled    |
| Optical Surface Detection Mode                | disabled   |
| Probe Overall Length                          | 337 mm     |
| Probe Body Diameter                           | 10 mm      |
| Tip Length                                    | 9 mm       |
| Tip Diameter                                  | 2.5 mm     |
| Probe Tip to Sensor X Calibration Point       | 1 mm       |
| Probe Tip to Sensor Y Calibration Point       | 1 mm       |
| Probe Tip to Sensor Z Calibration Point       | 1 mm       |
| Recommended Measurement Distance from Surface | 1.4 mm     |

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

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Parameters of Probe: EX3DV4 - SN:7712

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

| f (MHz) <sup>C</sup> | Relative<br>Permittivity <sup>F</sup> | Conductivity <sup>F</sup><br>(S/m) | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup><br>(mm) | Unc<br>(k = 2) |
|----------------------|---------------------------------------|------------------------------------|---------|---------|---------|--------------------|----------------------------|----------------|
| 750                  | 41.9                                  | 0.89                               | 10.35   | 10.35   | 10.35   | 0.56               | 0.80                       | ±12.0%         |
| 835                  | 41.5                                  | 0.90                               | 10.16   | 10.16   | 10.16   | 0.38               | 0.99                       | ±12.0%         |
| 900                  | 41.5                                  | 0.97                               | 9.88    | 9.88    | 9.88    | 0.45               | 0.89                       | ±12.0%         |
| 1450                 | 40.5                                  | 1.20                               | 8.82    | 8.82    | 8.82    | 0.43               | 0.80                       | ±12.0%         |
| 1750                 | 40.1                                  | 1.37                               | 8.77    | 8.77    | 8.77    | 0.32               | 0.86                       | ±12.0%         |
| 1900                 | 40.0                                  | 1.40                               | 8.47    | 8.47    | 8,47    | 0.34               | 0.86                       | ±12.0%         |
| 2000                 | 40.0                                  | 1.40                               | 8.41    | 8.41    | 8.41    | 0.36               | 0.86                       | ±12.0%         |
| 2300                 | 39.5                                  | 1.67                               | 8.33    | 8.33    | 8.33    | 0.26               | 0.90                       | ±12.09         |
| 2450                 | 39.2                                  | 1.80                               | 7.91    | 7.91    | 7.91    | 0.39               | 0.90                       | ±12.09         |
| 2600                 | 39.0                                  | 1.96                               | 7.66    | 7.66    | 7.66    | 0.39               | 0.90                       | ±12.09         |
| 3300                 | 38.2                                  | 2.71                               | 7.63    | 7.63    | 7.63    | 0.30               | 1.35                       | ±14.09         |
| 3500                 | 37.9                                  | 2.91                               | 7.37    | 7.37    | 7.37    | 0.30               | 1.35                       | ±14.09         |
| 3700                 | 37.7                                  | 3.12                               | 7.46    | 7.46    | 7.46    | 0.30               | 1.35                       | ±14.09         |
| 3900                 | 37.5                                  | 3.32                               | 7.39    | 7.39    | 7.39    | 0.40               | 1.60                       | ±14.09         |
| 4100                 | 37.2                                  | 3.53                               | 7.11    | 7.11    | 7.11    | 0.40               | 1.60                       | ±14.0%         |
| 4200                 | 37.1                                  | 3.63                               | 6.74    | 6.74    | 6.74    | 0.40               | 1.70                       | ±14.09         |
| 4400                 | 36.9                                  | 3.84                               | 6.67    | 6.67    | 6.67    | 0.40               | 1.70                       | ±14.09         |
| 4600                 | 36.7                                  | 4.04                               | 6.76    | 6.76    | 6.76    | 0.40               | 1.70                       | ±14.09         |
| 4800                 | 36.4                                  | 4.25                               | 6.72    | 6.72    | 6.72    | 0.40               | 1.80                       | ±14.09         |
| 4950                 | 36.3                                  | 4.40                               | 6.12    | 6.12    | 6.12    | 0.40               | 1.80                       | ±14.09         |
| 5250                 | 35.9                                  | 4.71                               | 5.65    | 5.65    | 5.65    | 0.40               | 1.80                       | ±14.09         |
| 5600                 | 35.5                                  | 5.07                               | 5.12    | 5.12    | 5.12    | 0.40               | 1.80                       | ±14.09         |
| 5750                 | 35.4                                  | 5,22                               | 5.36    | 5.36    | 5.36    | 0.40               | 1.80                       | ±14.09         |
| 5850                 | 35.2                                  | 5.32                               | 5.18    | 5.18    | 5.18    | 0.40               | 1.80                       | ±14.09         |

C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz to ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 8 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5GHz frequency validity can be extended to ±10 MHz.

\*The probes are calibrated using issues simulating idjudis (TSI) Lint devisation or and to by less than ±5% from the target values (typically better than ±3%) and are valid for TSI. with devisations of up to ±10%. If TSI, with devisations from the target of less than ±5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

\*G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less

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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.



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#### Parameters of Probe: EX3DV4 - SN:7712

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

| f (MHz) <sup>C</sup> | Relative<br>Permittivity <sup>F</sup> | Conductivity <sup>F</sup><br>(S/m) | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup><br>(mm) | Unc<br>(k = 2) |
|----------------------|---------------------------------------|------------------------------------|---------|---------|---------|--------------------|----------------------------|----------------|
| 6500                 | 34.5                                  | 6.07                               | 5.70    | 5.70    | 5,70    | 0.20               | 2.00                       | ±18.6%         |
| 7000                 | 33.9                                  | 6.65                               | 5.90    | 5.90    | 5.90    | 0.20               | 2.00                       | ±18.6%         |

C 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 Corn/F uncertainty at calibration frequency and the uncertainty for the indicated frequency band.
The probes are calibrated using tissues simulating (iguids (TSL) that deviate for ε and σ by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.

A liphu/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less

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than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3-6 GHz; and below ±4% for frequencies between 6-10 GHz at any distance larger than half the probe tip diameter from the boundary.

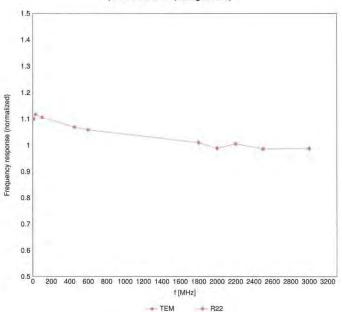


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# Frequency Response of E-Field

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



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

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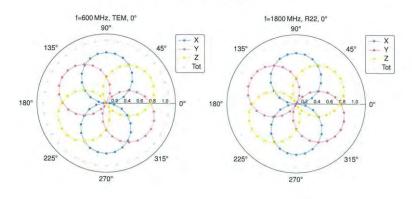
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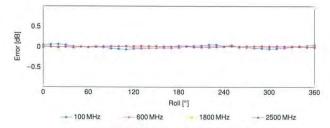


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#### Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$





Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

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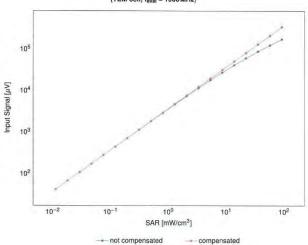


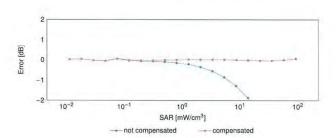
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### Dynamic Range f(SAR<sub>head</sub>)

(TEM cell, f<sub>eval</sub> = 1900 MHz)





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

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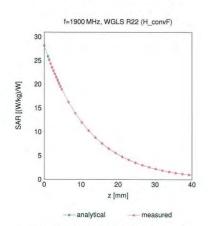
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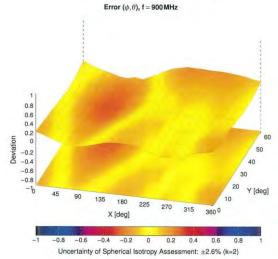
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#### **Conversion Factor Assessment**



## **Deviation from Isotropy in Liquid**



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### **Appendix: Modulation Calibration Parameters**

| UID   | Rev | Communication System Name                           | Group     | PAR (dB) | UncE k = |
|-------|-----|---|-----------|----------|----------|
| 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      | 9.46     | ±9.6     |
| 10021 | DAC | GSM-FDD (TDMA, GMSK)                                | GSM       | 9.39     | ±9.6     |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0)                         | GSM       | 9.57     | ±9.6     |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1)                       | GSM       | 6.56     | ±9.6     |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0)                         | GSM       | 12.62    | ±9.6     |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1)                       | GSM       | 9.55     | ±9.6     |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2)                     | GSM       | 4.80     | ±9.6     |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)                   | GSM       | 3.55     | ±9.6     |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2)                     | GSM       | 7.78     | ±9.6     |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1)                 | Bluetooth | 5.30     | ±9.6     |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3)                 | Bluetooth | 1.87     | ±9.6     |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5)                 | Bluetooth | 1.16     | ±9.6     |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)           | Bluetooth | 7.74     | ±9.6     |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)           | Bluetooth | 4.53     | ±9.6     |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)           | Bluetooth | 3.83     | ±9.6     |
| 0036  | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1)               | Bluetooth | 8.01     |          |
| 0037  | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3)               | Bluetooth | 4.77     | ±9.6     |
| 0038  | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5)               |           |          | ±9.6     |
| 0039  | CAB | CDMA2000 (1xRTT, RC1)                               | Bluetooth | 4.10     | ±9.6     |
| 0042  | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | CDMA2000  | 4.57     | ±9.6     |
| 0042  | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM)                    | AMPS      | 7.78     | ±9,6     |
| 0044  | CAA |   | AMPS      | 0.00     | ±9.6     |
| 10048 |     | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)           | DECT      | 13.80    | ±9.6     |
|       | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)         | DECT      | 10,79    | ±9.6     |
| 0056  | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps)                      | TD-SCDMA  | 11.01    | ±9.6     |
| 0058  | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)                   | GSM       | 6.52     | ±9.6     |
| 0059  | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)            | WLAN      | 2,12     | ±9.6     |
| 0060  | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)          | WLAN      | 2.83     | ±9.6     |
| 10061 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)           | WLAN      | 3.60     | ±9.6     |
| 10062 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)            | WLAN      | 8.68     | ±9.6     |
| 0063  | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)            | WLAN      | 8.63     | ±9.6     |
| 10064 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)           | WLAN      | 9.09     | ±9.6     |
| 10065 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)           | WLAN      | 9.00     | ±9.6     |
| 10066 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)           | WLAN      | 9.38     | ±9.6     |
| 0067  | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)           | WLAN      | 10.12    | ±9.6     |
| 0068  | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)           | WLAN      | 10.24    | ±9.6     |
| 0069  | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)           | WLAN      | 10.56    | ±9.6     |
| 0071  | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)       | WLAN      | 9.83     | ±9.6     |
| 0072  | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)      | WLAN      | 9.62     | ±9.6     |
| 0073  | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)      | WLAN      | 9.94     | ±9.6     |
| 0074  | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)      | WLAN      | 10.30    | ±9.6     |
| 0075  | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)      | WLAN      | 10.77    | ±9.6     |
| 0076  | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)      | WLAN      | 10.77    | ±9.6     |
| 0077  | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 54 Mbps)      | WLAN      | 11.00    | ±9.6     |
| 0081  | CAB | CDMA2000 (1xRTT, RC3)                               | CDMA2000  | 3.97     |          |
| 0082  | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS      | 4.77     | ±9.6     |
| 0090  | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4)                       | GSM       |          | ±9.6     |
| 0090  | CAC | UMTS-FDD (HSDPA)                                    |           | 6.56     | ±9.6     |
| 0097  | CAC | UMTS-FDD (HSUPA, Subtest 2)                         | WCDMA     | 3.98     | ±9.6     |
| 0098  | DAC |   | WCDMA     | 3.98     | ±9.6     |
| 0100  | CAF | EDGE-FDD (TDMA, 8PSK, TN 0-4)                       | GSM       | 9.55     | ±9.6     |
|       |     | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | LTE-FDD   | 5.67     | ±9.6     |
| 0101  | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | LTE-FDD   | 6.42     | ±9.6     |
| 0102  | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | LTE-FDD   | 6.60     | ±9.6     |
| 0103  | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | LTE-TOD   | 9.29     | ±9.6     |
| 0104  | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | LTE-TDD   | 9.97     | ±9.6     |
| 0105  | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | LTE-TDD   | 10.01    | ±9.6     |
| 0108  | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)            | LTE-FDD   | 5.80     | ±9.6     |
| 0109  | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)          | LTE-FDD   | 6.43     | ±9.6     |
| 0110  | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)             | LTE-FDD   | 5.75     | ±9.6     |
| 0111  | 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) | UncE k = |
|-------|-----|---|---------|----------|----------|
| 10112 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)                                    | LTE-FDD | 6.59     | ±9.6     |
| 10113 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)                                     | LTE-FDD | 6.62     | ±9.6     |
| 10114 | CAD | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)                                 | WLAN    | 8.10     | ±9.6     |
| 0115  | CAD | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)                                 | WLAN    | 8.46     | ±9.6     |
| 0116  | CAD | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)                                | WLAN    | 8.15     | ±9.6     |
| 0117  | CAD | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)                                      | WLAN    | 8.07     | ±9.6     |
| 0118  | CAD | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)                                      | WLAN    | 8.59     | ±9.6     |
| 0119  | CAD | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)                                     | WLAN    | 8,13     | ±9.6     |
| 0140  | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)                                    | LTE-FDD | 6.49     | ±9.6     |
| 0141  | CAF | LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)                                     | LTE:FDD | 6.53     | ±9.6     |
| 0142  | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)                                       | LTE-FDD | 5.73     | ±9.6     |
| 0143  | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)                                     | LTE-FDD | 6.35     | ±9.6     |
| 0144  | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)                                     | LTE-FDD | 6.65     | ±9.6     |
| 0145  | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)                                      | LTE-FDD | 5.76     | ±9.6     |
| 0146  | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)                                   | LTE-FDD | 6.41     | ±9.6     |
| 0147  | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)                                   | LTE-FDD | 6.72     | ±9.6     |
| 0149  | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)                                     | LTE-FDD | 6.42     | ±9.6     |
| 0150  | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)                                     | LTE-FDD | 6.60     |          |
| 0151  | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                                       |         |          | ±9.6     |
| 0152  | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)                                     | LTE-TDD | 9.28     | ±9.6     |
| 153   | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)                                     | LTE-TOD | 10.05    |          |
| 0154  | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)                                       |         |          | ±9.6     |
| 0155  | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSR)                                       | LTE-FDD | 5.75     | ±9.6     |
| 0156  | CAH | LTE-FDD (SC-FDMA, 50% RB, 10MHz, 16-QAM)                                      | LTE-FDD | 6.43     | ±9.6     |
| 0157  | CAH | LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK) LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QAM) | LTE-FDD | 5.79     | ±9.6     |
| 0158  | CAH |   | LTE-FDD | 6.49     | ±9.6     |
| 0159  | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)                                     | LTE-FDD | 6.62     | ±9.6     |
| 0160  | CAF | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)                                      | LTE-FDD | 6.56     | ±9.6     |
|       |     | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)                                       | LTE-FDD | 5.82     | ±9.6     |
| 0161  | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)                                     | LTE-FDD | 6.43     | ±9.6     |
| 0162  | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)                                     | LTE-FDD | 6.58     | ±9.6     |
| 0166  | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)                                      | LTE-FDD | 5.46     | ±9.6     |
| 0167  | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)                                    | LTE-FDD | 6.21     | ±9.6     |
| 0168  | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)                                    | LTE-FDD | 6.79     | ±9.6     |
| 0169  | CAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)   | LTE-FDD | 5.73     | ±9.6     |
| 0170  | CAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)                                       | LTE-FDD | 6.52     | ±9.6     |
| 0171  | AAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)                                       | LTE-FDD | 6.49     | ±9.6     |
| 0172  | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)   | LTE-TDD | 9.21     | ±9.6     |
| 0173  | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)                                       | LTE-TDD | 9.48     | ±9.6     |
| 0174  | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)                                       | LTE-TDD | 10.25    | ±9.6     |
| 0175  | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)   | LTE-FDD | 5.72     | ±9.6     |
| 0176  | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)                                       | LTE-FDD | 6.52     | ±9.6     |
| 0177  | CAJ | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)  | LTE-FDD | 5.73     | ±9.6     |
| 0178  | CAH | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)  | LTE-FDD | 6.52     | ±9.6     |
| 0179  | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)                                       | LTE-FDD | 6.50     | ±9.6     |
| 0180  | CAH | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)  | LTE-FDD | 6.50     | ±9.6     |
| 0181  | CAF | LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)  | LTE-FDD | 5.72     | ±9.6     |
| 0182  | CAF | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)                                       | LTE-FDD | 6.52     | ±9.6     |
| 0183  | AAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)                                       | LTE-FDD | 6.50     | ±9.6     |
| 0184  | CAF | LTE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK)   | LTE-FDD | 5.73     | ±9.6     |
| 0185  | CAF | LTE-FDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)   | LTE-FDD | 6.51     | -        |
| 0186  | AAF | LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)   | LTE-FDD |          | ±9.6     |
| 0187  | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)  | LTE-FOD | 6.50     | ±9.6     |
| 0188  | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)                                      | LTE-FOD | 5.73     | ±9.6     |
| 189   | AAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)                                      |         | 6.52     | ±9.6     |
| 0193  | CAD | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)                                  | LTE-FDD | 6.50     | ±9.6     |
| 194   | CAD | IEEE 802.11n (HT Greenfield, 9.5 Mbps, BPSK)                                  | WLAN    | 8.09     | ±9.6     |
| 195   | CAD | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)                                 | WLAN    | 8.12     | ±9.6     |
| 1196  | CAD | IEEE 802.11n (HT Greenlied, 65 Mbps, 64-QAM)                                  | WLAN    | 8.21     | ±9.6     |
| 196   | CAD |   | WLAN    | 8.10     | ±9.6     |
| 0197  | CAD | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)                                      | WLAN    | 8.13     | ±9.6     |
|       |     | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)                                      | WLAN    | 8.27     | ±9.6     |
| 0219  | CAD | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)                                       | WLAN    | 8.03     | ±9.6     |
| 0220  | CAD | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)                                    | WLAN    | 8.13     | ±9.6     |
| 0221  | CAD | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)                                    | WLAN    | 8.27     | ±9.6     |
| 0222  | CAD | IEEE 802,11n (HT Mixed, 15 Mbps, BPSK)  | WLAN    | 8.06     | ±9.6     |
| 0223  | CAD | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)                                      | WLAN    | 8.48     | ±9.6     |
| 0224  | CAD | 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) | UncE 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  | 10.26    | ±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-TOD  | 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-TOD  | 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-TOD  | 9.96     | ±9.6       |
| 10257 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)  | LTE-TOD  | 10.08    | ±9.6       |
| 10258 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)  | LTE-TDD  | 9.34     | ±9.6       |
| 10259 | CAE | 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-TOD  | 9.97     | ±9.6       |
| 10261 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)  | LTE-TOD  | 9.24     | ±9.6       |
| 10262 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)  | LTE-TOD  | 9.83     | ±9.6       |
| 10263 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)  | LTE-TOD  | 10.16    | ±9.6       |
| 10264 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)  | LTE-TOD  | 9.23     |            |
| 10265 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)   | LTE-TOD  | 9.92     | ±9.6       |
| 10266 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)   | LTE-TDD  | 10.07    |            |
| 10267 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)   |          | 9.30     | ±9.6       |
| 10268 | CAG |  | LTE-TDD  | 10.06    | ±9.6       |
| 10269 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)  | LTE-TDD  | 10.06    | ±9.6       |
| 10209 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)  |          | 1.0110   | ±9.6       |
| 10274 |     | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)   | LTE-TDD  | 9.58     | ±9.6       |
| 10274 | CAC | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | WCDMA    | 4.87     | ±9.6       |
| 10275 | CAA | PHS (QPSK)   | WCDMA    | 3.96     | ±9.6       |
|       |     |  | PHS      | 11.81    | ±9.6       |
| 10278 | CAA | PHS (QPSK, BW 884 MHz, Rolloff 0.5)  | PHS      | 11.81    | ±9.6       |
| 10279 | AAB | PHS (QPSK, BW 884 MHz, Rolloff 0.38)   | 17.00    | 12.18    | ±9.6       |
|       |     | CDMA2000, RC1, SO55, Full Rate   | CDMA2000 | 3.91     | ±9.6       |
| 10291 | AAB | CDMA2000, RC3, SO55, Full Rate   | CDMA2000 | 3.46     | ±9.6       |
| 0292  | AAB | CDMA2000, RC3, SO32, Full Rate   | CDMA2000 | 3.39     | ±9.6       |
| 0293  | AAB | CDMA2000, RC3, SO3, Full Rate  | CDMA2000 | 3.50     | ±9.6       |
| 0295  | AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr.  | CDMA2000 | 12.49    | ±9.6       |
| 0297  | 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       |
| 0299  | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)   | LTE-FDD  | 6.39     | ±9.6       |
| 0300  | 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.   | 14.67    | ±9.6       |

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| UID   | Rev   | Communication System Name  | Group              | PAR (dB) | UncE k = 2 |
|-------|-------|--|--------------------|----------|------------|
| 10307 | AAA   | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)  | WIMAX              | 14.49    | ±9.6       |
| 10308 | AAA   | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)   | WIMAX              | 14.46    | ±9.6       |
| 10309 | AAA   | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)  | WIMAX              | 14.58    | ±9.6       |
| 10310 | AAA   | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)   | WIMAX              | 14.57    | ±9.6       |
| 10311 | AAE   | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)   | LTE-FDD            | 6.06     | ±9.6       |
| 10313 | AAA   | IDEN 1:3   | IDEN               | 10.51    | ±9.6       |
| 10314 | AAA   | IDEN 1:6   | IDEN               | 13.48    | ±9.6       |
| 10315 | AAB   | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)  | WLAN               | 1.71     | ±9.6       |
| 10316 | AAB   | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)  | WLAN               | 8.36     | ±9.6       |
| 10317 | AAD   | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)  | WLAN               | 8.36     | ±9.6       |
| 10352 | AAA   | Pulse Waveform (200Hz, 10%)  | Generic            | 10.00    | ±9.6       |
| 10353 | AAA   | Pulse Waveform (200Hz, 20%)  | Generic            | 6.99     | ±9.6       |
| 10354 | AAA   | Pulse Waveform (200Hz, 40%)  | Generic            | 3.98     | ±9.6       |
| 10355 | AAA   | Pulse Waveform (200Hz, 60%)  | Generic            | 2.22     | ±9.6       |
| 10356 | AAA   | Pulse Waveform (200Hz, 80%)  | Generic            | 0.97     | ±9.6       |
| 10387 | AAA   | QPSK Waveform, 1 MHz   | Generic            | 5.10     | ±9.6       |
| 10388 | AAA   | QPSK Wavelorm, 10 MHz  | Generic            | 5.22     | ±9.6       |
| 10396 | AAA   | 64-QAM Waveform, 100 kHz   |                    | 6.27     |            |
| 10399 | AAA   | 64-QAM Waveform, 40 MHz  | Generic<br>Generic | 6.27     | ±9.6       |
| 10399 | AAE   |  | WLAN               | 8.37     | ±9.6       |
|       |       | IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)   | 7.000 11.0         |          | ±9.6       |
| 10401 | AAE   | IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)   | WLAN               | 8.60     | ±9.6       |
| 10402 | AAE   | IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)   | WLAN               | 8.53     | ±9.6       |
| 10403 | AAB   | CDMA2000 (1xEV-DO, Rev. 0)   | GDMA2000           | 3.76     | ±9.6       |
| 10404 | AAB   | GDMA2000 (1xEV-DO, Rev. A)   | CDMA2000           | 3.77     | ±9.6       |
| 10406 | AAB   | CDMA2000, RC3, SO32, SCH0, Full Rate   | CDMA2000           | 5.22     | ±9.6       |
| 10410 | 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     | ±9.6       |
| 10414 | AAA   | WLAN CCDF, 64-QAM, 40 MHz  | Generic            | 8.54     | ±9.6       |
| 10415 | AAA   | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)  | WLAN               | 1.54     | ±9.6       |
| 10416 | AAA   | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)  | WLAN               | 8.23     | ±9.6       |
| 10417 | AAC   | IEEE 802.11a/h WIFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)  | WLAN               | 8.23     | ±9.6       |
| 10418 | AAA   | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)   | WLAN               | 8.14     | ±9.6       |
| 10419 | AAA   | IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)  | WLAN               | 8.19     | ±9.6       |
| 10422 | AAC   | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)   | WLAN               | 8.32     | ±9.6       |
| 10423 | AAC   | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)  | WLAN               | 8.47     | ±9.6       |
| 10424 | AAC   | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)  | WLAN               | 8.40     | ±9.6       |
| 10425 | AAC   | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)  | WLAN               | 8.41     | ±9.6       |
| 10426 | AAC   | IEEE 802.11n (HT Greenfield, 15 Mups, 15-QAM)  | WLAN               | 8.45     | ±9.6       |
| 10427 | AAC   | IEEE 802.11n (HT Greenfield, 90 Mbps, 64-QAM)  | WLAN               |          |            |
|       |       |  |                    | 8,41     | ±9,6       |
| 10430 | AAE   | LTE-FDD (OFDMA, 5MHz, E-TM 3.1)  | LTE-FDD            | 8.28     | ±9.6       |
| 10431 | 7.0.1 | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)  | LTE-FDD            | 8.38     | ±9.6       |
| 10432 | AAD   | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)  | LTE-FDD            | 8.34     | ±9.6       |
| 10433 | AAD   | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)  | LTE-FDD            | 8.34     | ±9.6       |
| 10434 | AAB   | W-CDMA (BS Test Model 1, 64 DPCH)  | WCDMA              | 8.60     | ±9.6       |
| 10435 | AAG   | 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, 5MHz, E-TM 3.1, Clipping 44%)  | LTE-FDD            | 7.56     | ±9.6       |
| 10448 | AAE   | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)   | LTE-FDD            | 7.53     | ±9.6       |
| 10449 | AAD   | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)   | LTE-FDD            | 7.51     | ±9.6       |
| 10450 | AAD   | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)  | LTE-FDD            | 7.48     | ±9.6       |
| 10451 | AAB   | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)  | WCDMA              | 7.59     | ±9.6       |
| 10453 | AAE   | Validation (Square, 10 ms, 1 ms)   | Test               | 10.00    | ±9.6       |
| 10456 | AAC   | IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)  | WLAN               | 8.63     | ±9.6       |
| 10457 | AAB   | UMTS-FDD (DC-HSDPA)  | WCDMA              | 6.62     | ±9.6       |
| 10458 | AAA   | CDMA2000 (1xEV-DO, Rev. B, 2 carriers)   | CDMA2000           | 6.55     | ±9.6       |
| 10459 | AAA   | CDMA2000 (1xEV-DO, Rev. B, 3 carriers)   | CDMA2000           | 8.25     | ±9.6       |
| 10460 | AAB   | UMTS-FDD (WCDMA, AMR)  | WCDMA              | 2.39     | ±9.6       |
| 10461 | AAC   | 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 | AAC   | 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       |
| 10462 | AAC   | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD            | 8.56     | ±9.6       |
| 10464 | AAD   | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) |                    |          |            |
|       | -     |  | LTE-TDD            | 7.82     | ±9.6       |
| 10465 | AAD   | 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 | AAD   | 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 | AAG   | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)  | LTE-TDD            | 7.82     | ±9.6       |
| 10468 | AAG   | 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 | AAG   | LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD            | 8.56     | ±9.6       |
| 10470 | AAG   | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | LTE-TDD            | 7.82     | ±9.6       |
| 10471 | AAG   | 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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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| UID   | Rev | Communication System Name  | Group   | PAR (dB)     | UncE 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, 15MHz, 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 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TOD | 8.32         | ±9,6       |
| 10478 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 8.57         | ±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-TOD | 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 | AAG | I.TE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | LTE-TDD | 7.59         | ±9.6       |
| 10486 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TDD | 8.38         | ±9.6       |
| 10487 | AAG | 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-TOD | 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, 15-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-TOD | 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 Subtrame=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       |
|       | _   | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TOD | 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       |
| 10510 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | LTE-TOD | 7.99         | ±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       |
| 10512 | AAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, 0L Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.51<br>7.74 | ±9.6       |
| 10512 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TOD | 8.42         | ±9.6       |
| 10514 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | LTE-TOD | 8.42         | ±9.6       |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2Mbps, 99pc duty cycle)   | WLAN    | 1.58         |            |
| 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, 5.5 Mbps, 99pc duty cycle)  | WLAN    | 1.57         | ±9.6       |
| 10518 | AAC | IEEE 802.11a/h WiFl 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)  |         |              |            |
| 10518 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mops, 99pc duty cycle)  | WLAN    | 8.23<br>8.39 | ±9.6       |
| 10520 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)   | WLAN    | 8.12         | ±9.6       |
| 10521 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 16 Mbps, 99pc duty cycle)   | WLAN    | 7.97         | ±9.6       |
| 10522 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)   | WLAN    | B.45         | ±9.6       |
| 10523 | AAC | IEEE 802.11a/h WiFl 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)   | WLAN    | 8.08         | ±9.6       |
| 10524 | AAC | IEEE 802.11a/h WIFI 5 GHz (OFDM, 46 Mbps, 99pc duty cycle)   | WLAN    | 8.27         | ±9.6       |
| 10525 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)   | WLAN    | 8.36         | ±9.6       |
| 10525 | AAC | IEEE 802.11ac WiFI (20 MHz, MCSI, 99pc duty cycle)   | WLAN    | 8.42         | ±9.6       |
| 10527 | AAC | IEEE 802.11ac WiFI (20 MHz, MCS1, 99pc duty cycle)   | WLAN    | 8.21         | ±9.6       |
| 10528 | AAC | IEEE 802.11ac WIFI (20 MHz, MCS2, 99pc duty cycle)   | WLAN    | 8.36         | ±9.6       |
| 10529 | AAC | IEEE 802.11ac WIFI (20 MHz, MCS3, 99pc duty cycle)   | WIAN    | 8.36         | 19.6       |
| 10531 | AAC | IEEE 802.11ac WIFI (20 MHz, MCS4, 99pc duty cycle)   | WLAN    | 8.43         | ±9.6       |
| 10532 | AAC | IEEE 802.11ac WiFi (20 MHz, MCSR, 99pc duty cycle)   | WLAN    | 8.29         | ±9.6       |
| 10532 | AAC | IEEE 802.11ac WIFI (20 MHz, MCS7, 99pc duty cycle)   | WLAN    | 8.29         | ±9.6       |
| 10534 | AAC | IEEE 802.11ac WIFI (40 MHz, MCS0, 99pc duty cycle)   | WLAN    | 8.45         | ±9.6       |
| 10535 | AAC | IEEE 802.11ac WIFI (40 MHz, MCS1, 99pc duty cycle)   | WLAN    | 8.45         | ±9.6       |
| 10535 | AAC | IEEE 802.11ac WIFI (40 MHz, MCS1, 99pc duty cycle)   | WLAN    | 8.45         |            |
| 10536 | AAC |  |         | 8.32<br>8.44 | ±9.6       |
| 10537 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)                                  | WLAN    | 4111         | ±9.6       |
| 10538 | AAC |  | WLAN    | 8.54         | ±9.6       |
|       | AAC | 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) | UncE k = 2 |
|-------|------|---|--------|----------|------------|
| 10541 | AAC  | IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)  | WLAN   | B.46     | ±9.6       |
| 10542 | AAC  | IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)  | WLAN   | 8.65     | ±9.6       |
| 10543 | AAC  | IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)  | WLAN   | 8.65     | ±9.6       |
| 10544 | AAC  | IEEE 802.11ac WiFI (80 MHz, MCS0, 99pc duty cycle)  | WLAN   | 8.47     | ±9.6       |
| 10545 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)  | WLAN   | 8.55     | ±9.6       |
| 10546 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)  | WLAN   | 8.35     | ±9.6       |
| 10547 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)  | WLAN   | 8.49     | ±9.6       |
| 10548 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)  | WLAN   | 8.37     | ±9.6       |
| 10550 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)  | WLAN   | 8.38     | ±9.6       |
| 10551 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)  | WLAN   | 8.50     | ±9.6       |
| 10552 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)  | WLAN   | 8.42     | ±9.6       |
| 10553 | AAG  | IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)  | WLAN   | 8.45     | ±9.6       |
| 10554 | AAD  | IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)   | WLAN   | 8.48     | ±9.6       |
| 10555 | AAD  | IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)   | WLAN   | 8.47     | ±9.6       |
| 10556 | AAD  | IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)   | WLAN   | 8.50     | ±9.6       |
| 10557 | AAD  | IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)   | WLAN   | 8.52     | ±9.6       |
| 10558 | AAD  | IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)   | WLAN   | 8.61     | ±9.6       |
| 10560 | AAD  | IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)   | WLAN   | 8.73     | ±9.6       |
| 10561 | AAD  | IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)   | WLAN   | 8.56     | ±9.6       |
| 10562 | AAD  | IEEE 802,11ac WiFi (160 MHz, MCS8, 99pc duty cycle)   | WLAN   | 8.69     | ±9.6       |
| 10563 | AAD  | 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   | 8.00     | ±9.6       |
| 10568 | AAA  | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)   | WLAN   | 8.37     | 19.6       |
| 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 WiFt 2.4 GHz (DSSS-OFDM, 44 Mbps, 99pc duty cycle)   | WLAN   | 8.30     | ±9.6       |
| 10571 | AAA  | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)   | WLAN   | 1.99     |            |
| 10572 | AAA  |   |        | 1394     | ±9.6       |
| 10573 | AAA  | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) | WLAN   | 1.99     | ±9.6       |
|       |      |   | WLAN   | 1.98     | ±9.6       |
| 10574 | AAA  | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)  | WLAN   | 1.98     | ±9.6       |
| 10575 | AAA  | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)  | WLAN   | 8.59     | ±9.6       |
| 10576 | AAA  | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)  | WLAN   | 8.60     | ±9.6       |
| 10577 | AAA  | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)   | WLAN   | 8.70     | ±9.6       |
| 10578 | AAA  | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)   | WLAN   | 8.49     | ±9.6       |
| 10579 | AAA  | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)   | WLAN   | 8.36     | ±9.6       |
| 10580 | AAA  | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)   | WLAN   | 8.76     | ±9.6       |
| 10581 | AAA  | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)   | WLAN   | 8.35     | ±9.6       |
| 10582 | .AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   | WLAN   | 8.67     | ±9.6       |
| 10583 | AAC  | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)   | WLAN   | 8.59     | ±9.6       |
| 10584 | AAC  | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)   | WLAN   | 8.60     | ±9.6       |
| 10585 | AAC  | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)  | WLAN   | 8.70     | ±9.6       |
| 10586 | AAC  | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)  | WLAN   | 8.49     | ±9.6       |
| 10587 | AAC  | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)  | WLAN   | 8.36     | ±9.6       |
| 10588 | AAC  | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)  | WLAN   | 8.76     | ±9.6       |
| 10589 | AAC  | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)  | WLAN   | 8.35     | ±9.6       |
| 10590 | AAC  | IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)  | WLAN   | 8.67     | ±9.6       |
| 10591 | AAC  | IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)  | WLAN   | 8.63     | ±9.6       |
| 10592 | AAC  | IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)  | WLAN   | 8.79     | ±9,6       |
| 10593 | AAC  | IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)  | WLAN   | 8,64     | ±9.6       |
| 10594 | AAC  | IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)  | WLAN   | 8.74     | ±9.6       |
| 10595 | AAC  | IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)  | WLAN   | 8.74     | ±9.6       |
| 10596 | AAC  | IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)  | WLAN   | 8.71     | ±9.6       |
| 10597 | AAC  | IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)  | WLAN   | 8.72     | ±9.6       |
| 10598 | AAC  | IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)  | WLAN   | 8.50     | ±9.6       |
| 10599 | AAC  | IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)  | WLAN   | 8.79     | ±9.6       |
| 10600 | AAC  | IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)  | WLAN   | 88,8     | ±9.6       |
| 10601 | AAC  | IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)  | WLAN   | 8,82     | ±9,6       |
| 10602 | AAC  | IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)  | WLAN   | 8.94     | ±9,6       |
| 10603 | AAC  | IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)  | WLAN   | 9.03     | ±9.6       |
| 10604 | AAC  | IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)  | WLAN   | 8.76     | ±9.6       |
| 10605 | AAC  | IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)  | WLAN   | 8.97     | ±9.6       |
| 10606 | AAC  | IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)  | WLAN   | 8.82     | ±9.6       |
|       |      |   | 750000 |          | 12.5       |
| 10607 | AAC  | IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)  | WLAN   | 8.64     | ±9.6       |

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| UID   | Rev  | Communication System Name   | Group        | PAR (dB) | UncE k = 2 |
|-------|------|---|--------------|----------|------------|
| 10609 | AAC  | IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)  | WLAN         | 8.57     | ±9.6       |
| 10610 | AAC  | IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)  | WLAN         | 8.78     | ±9.6       |
| 10611 | AAC  | IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)  | WLAN         | 8.70     | ±9.6       |
| 10612 | AAC  | IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)  | WLAN         | B.77     | ±9.6       |
| 10613 | AAC  | IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)  | WLAN         | 8.94     | ±9.6       |
| 10614 | AAC  | IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)  | WLAN         | 8,59     | ±9.6       |
| 10615 | AAC  | IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)  | WLAN         | 8.82     | ±9.6       |
| 10616 | AAC  | IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)  | WLAN         | 8.82     | ±9.6       |
| 10617 | AAC  | IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)  | WLAN         | 8.81     | ±9.6       |
| 10618 | AAC  | IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)  | WLAN         | 8.58     | ±9.6       |
| 10619 | AAC  | IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)  | WLAN         | 8.86     | ±9.6       |
| 10620 | AAC  | IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)  | WLAN         | 8.87     | ±9.6       |
| 10621 | AAC  | IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)  | WLAN         | 8.77     | ±9.6       |
| 10622 | AAC  | IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)  | WLAN         | 8.68     | ±9.6       |
| 10623 | AAC  | IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)  | WLAN         | 8.82     | ±9.6       |
| 10624 | AAC  | IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)  | WLAN         | 8.96     | ±9.6       |
| 10625 | AAC  | IEEE 802.11ac WiFI (40 MHz, MCS9, 90pc duty cycle)  | WLAN         | 8.96     | ±9.6       |
| 10626 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)  | WLAN         | 8.83     | ±9.6       |
| 10627 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)  | WLAN         | 8.88     | ±9.6       |
| 10628 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)  | WLAN         | 8.71     | ±9.6       |
| 10629 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)  | WLAN         | 8.85     | ±9.6       |
| 10630 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)  | WLAN         | 8.72     | ±9.6       |
| 10631 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)  | WLAN         | 8.81     | ±9.6       |
| 10632 | AAC  | IEEE 802.11ac WIFI (80 MHz, MCS6, 90pc duty cycle)  | WLAN         | 8.74     | ±9.6       |
| 10633 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)  | WLAN         | 8.83     | ±9.6       |
| 10634 | AAC  | IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)  | WLAN         | 8.80     | ±9.6       |
| 10635 | AAC  | 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         | 8.98     | ±9.6       |
| 10641 | AAD  | IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)   | WLAN         | 9.06     | ±9.6       |
| 10642 | AAD  | IEEE 802.11ac WIFI (160 MHz, MCS6, 90pc duty cycle)   | WLAN         | 9.06     | ±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 | AAG  | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)  | LTE-TOD      | 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-TOD      | 7.42     | ±9.6       |
| 10654 | AAE  | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD      | 6.96     | ±9.6       |
| 10655 | AAF  |   | LTE-TDD      | 7.21     |            |
|       | 2.00 | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   |              |          | ±9.6       |
| 10658 | AAB  | Pulse Waveform (200Hz, 10%)   | Test         | 10.00    | ±9.6       |
| 10659 | AAB  | Pulse Waveform (200Hz, 20%)   | Test<br>Test | 6.99     | ±9.6       |
| 10661 | AAB  | Pulse Waveform (200Hz, 40%)   | Test         | 2.22     | ±9.6       |
|       |      | Pulse Waveform (200Hz, 60%)   | 10000        | 0.00     |            |
| 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         | 8.78     | ±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         | 8.90     | ±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         | 8.89     | ±9.6       |
| 10680 | AAC  | IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)   | WLAN         | 8.80     | ±9.6       |
| 10681 | AAC  | IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)  | WLAN         | 8.62     | ±9.6       |
| 10682 | AAC  | IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)  | WLAN         | 8.83     | ±9.6       |
| 10683 | AAC  | IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)   | WLAN         | 8.42     | ±9.6       |
| 10684 | AAC  | IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)   | WLAN         | 8.26     | ±9.6       |
| 10685 | AAC  | IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)   | WLAN         | 8.33     | ±9.6       |
| 10686 | AAC  | IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)   | WLAN         | 8.28     | ±9.6       |

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| UID  | Rev | Communication System Name                      | Group   | PAR (dB) | UncE k = |
|------|-----|--|---------|----------|----------|
| 0687 | AAC | IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)  | WLAN    | 8.45     | ±9.6     |
| 0688 | AAC | IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)  | WLAN    | 8.29     | ±9.6     |
| 0689 | AAC | IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)  | WLAN    | 8.55     | ±9.6     |
| 0690 | AAC | IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)  | WLAN    | 8.29     | ±9.6     |
| 0691 | AAC | IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)  | WLAN    | 8.25     | ±9.6     |
| 0692 | AAC | IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)  | WLAN    | 8.29     | ±9.6     |
| 0693 | AAC | IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle) | WLAN    | 8.25     |          |
| 0694 | AAC | IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle) |         |          | ±9.6     |
|      |     |  | WLAN    | 8.57     | ±9.6     |
| 0695 | AAC | IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)  | WLAN    | 8.78     | ±9.6     |
| 0696 | AAC | IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)  | WLAN    | 8.91     | ±9.6     |
| 0697 | AAC | IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)  | WLAN    | 8.61     | ±9.6     |
| 0698 | AAC | IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)  | WLAN    | 8.89     | ±9.6     |
| 0699 | AAC | IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)  | WLAN    | 8.82     | ±9.6     |
| 0700 | AAC | IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)  | WLAN    | B.73     | ±9.6     |
| 0701 | AAC | IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)  | WLAN    | 6.86     | ±9.6     |
| 0702 | AAC | IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)  | WLAN    | 8.70     | ±9.6     |
| 0703 | AAC | IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)  | WLAN    | 8.82     | ±9.6     |
| 0704 | AAC | IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)  | WLAN    | 8.56     | ±9.6     |
| 0705 | AAC | IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle) | WLAN    | 8.69     | ±9.6     |
| 0706 | AAC | IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle) | WLAN    | 8.66     | ±9.6     |
| 707  | AAC | IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)  | WLAN    | 8.32     | ±9.6     |
| 708  | AAC | IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)  | WLAN    | 8.55     | ±9.6     |
| 0709 | AAC | IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)  | WLAN    | 8.33     | ±9.6     |
| 0710 | AAC | IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)  | WLAN    | 8.29     | -        |
| 0711 | AAC | IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)  | 1000000 | 2.010    | ±9.6     |
| 0712 | -   |  | WLAN    | 8.39     | ±9.6     |
|      | AAC | IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)  | WLAN    | 8.67     | ±9.6     |
| 0713 | AAC | IEEE 802,11ax (40 MHz, MCS6, 99pc duty cycle)  | WLAN    | 8.33     | ±9.6     |
| 0714 | AAC | IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)  | WLAN    | 8.26     | ±9.6     |
| 0715 | AAC | IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)  | WLAN    | 8.45     | ±9.6     |
| 0716 | AAC | IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)  | WLAN    | B.30     | ±9.6     |
| 0717 | AAC | IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle) | WLAN    | 8.48     | ±9.6     |
| 0718 | AAC | IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) | WLAN    | 8.24     | ±9.6     |
| 0719 | AAC | IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)  | WLAN    | 8.81     | ±9.6     |
| 0720 | AAC | IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)  | WLAN    | 8.87     | ±9.6     |
| 0721 | AAC | IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)  | WLAN    | 8.76     | ±9.6     |
| 0722 | AAC | IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)  | WLAN    | 8.55     | ±9.6     |
| 0723 | AAC | IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)  | WLAN    | 8.70     | ±9.6     |
| 0724 | AAC | IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)  | WLAN    | 8.90     | ±9.6     |
| 0725 | AAC | IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)  | WLAN    | 8.74     | ±9.6     |
| 0726 | AAC | IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)  | WLAN    | 8.72     | +9.6     |
| 0727 | AAC |  |         |          |          |
|      |     | IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)  | WLAN    | 8.66     | ±9.6     |
| 0728 | AAC | IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)  | WLAN    | 8.65     | ±9.6     |
| 0729 | AAC | IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) | WLAN    | 8.64     | ±9.6     |
| 0730 | AAC | IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle) | WLAN    | 8.67     | ±9.6     |
| 0731 | AAC | IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)  | WLAN    | 8.42     | ±9.6     |
| 0732 | AAC | IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)  | WLAN    | 8.46     | ±9.6     |
| 0733 | AAC | IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)  | WLAN    | 8.40     | ±9.6     |
| 734  | AAC | IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)  | WLAN    | 8.25     | ±9.6     |
| 0735 | AAC | IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)  | WLAN    | 8.33     | ±9.6     |
| 736  | AAC | IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)  | WLAN    | 8.27     | ±9.6     |
| 737  | AAC | IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)  | WLAN    | 8.36     | ±9.6     |
| 0738 | AAC | IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)  | WLAN    | B.42     | ±9.6     |
| 739  | AAC | IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)  | WLAN    | 8.29     | ±9.6     |
| 0740 | AAC | IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)  | WLAN    | 8.48     | ±9.6     |
| 0741 | AAC | IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) | WLAN    | 8.40     | ±9.6     |
| 0742 | AAC | IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) | WLAN    | 8.43     | ±9.6     |
| 743  | AAC | IEEE 802.11ax (60 MHz, MCS0, 90pc duty cycle)  | WLAN    |          |          |
| 744  | AAC |  |         | 8.94     | ±9,6     |
|      |     | IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) | WLAN    | 9.16     | ±9.6     |
| 745  | AAC | IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle) | WLAN    | 8.93     | ±9.6     |
| 0746 | AAC | IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) | WLAN    | 9.11     | ±9.6     |
| 747  | AAC | IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle) | WLAN    | 9.04     | ±9.6     |
| 0748 | AAC | IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) | WLAN    | 8.93     | ±9.6     |
| 0749 | AAC | IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle) | WLAN    | 8.90     | ±9.6     |
| 0750 | AAC | IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle) | WLAN    | 8.79     | ±9.6     |
| 0751 | AAC | IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) | WLAN    | 8.82     | ±9.6     |
| 0752 | 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) | Unc <sup>E</sup> k = |
|-------|-----|---|---------------|----------|----------------------|
| 10753 | AAC | IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle) | WLAN          | 9.00     | ±9.6                 |
| 10754 | AAC | IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle) | WLAN          | 8.94     | ±9.6                 |
| 10755 | AAC | IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)  | WLAN          | 8.64     | ±9.6                 |
| 10756 | AAC | IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)  | WLAN          | 8.77     | ±9.6                 |
| 10757 | AAC | IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)  | WLAN          | 8.77     | ±9.6                 |
| 10758 | AAC | IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)  | WLAN          | 8.69     | ±9.6                 |
| 10759 | AAC | IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)  | WLAN          | 8.58     | ±9.6                 |
| 10760 | AAC | IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)  | WLAN          | 8.49     | ±9.6                 |
| 10761 | AAC | IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)  | WLAN          | 8.58     | ±9.6                 |
| 10762 | AAC | IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)  | WLAN          | 8.49     | ±9.6                 |
| 10763 | AAC | IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)  | WLAN          | 8.53     | ±9.6                 |
| 10764 | AAC | IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)  | WLAN          | 8.54     | ±9.6                 |
| 10765 | AAC | IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle) | WLAN          | 8.54     | ±9.6                 |
| 10766 | AAC | IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle) | WLAN          | 8.51     | ±9.6                 |
| 10767 | AAE | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)      | 5G NR FR1 TDD | 7.99     | ±9.6                 |
| 10768 | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.01     | ±9.6                 |
| 10769 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.01     | ±9.6                 |
| 10770 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.02     | ±9.6                 |
| 10771 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.02     | ±9.6                 |
| 10772 | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.23     | ±9.6                 |
| 10773 | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.03     | ±9.6                 |
| 10774 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 8.02     | ±9.6                 |
| 10775 | AAD | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.31     | ±9.6                 |
| 10776 | AAD | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.30     | ±9.6                 |
| 10777 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.30     | ±9.6                 |
| 10778 | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.34     | ±9.6                 |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.42     | ±9.6                 |
| 10780 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.38     | ±9.6                 |
| 10781 | AAD | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.38     | ±9.6                 |
| 10782 | AAD | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.43     | ±9.6                 |
| 10783 | AAE | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.31     | ±9.6                 |
| 10784 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.29     | ±9.6                 |
| 10785 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.40     | ±9.6                 |
| 10786 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15kHz)   | 5G NR FR1 TDD | 8.35     | ±9.6                 |
| 10787 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.44     | +9.6                 |
| 10788 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.39     | ±9.6                 |
| 10789 | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.37     | 19.6                 |
| 10790 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.39     | ±9.6                 |
| 10791 | AAE | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 7.83     | ±9.6                 |
| 10792 | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.03     | ±9.6                 |
| 10793 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.95     | 19.6                 |
| 10794 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.82     |                      |
| 10795 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.84     | ±9.6                 |
| 10795 | AAD |   | 5G NR FR1 TDD | 7.82     |                      |
|       |     | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)     |               |          | ±9.6                 |
| 10797 | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 8.01     | ±9.6                 |
| 10798 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.89     | ±9.6                 |
| 10799 | AAD | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)     | 5G NR FRI TDD | 7.93     | ±9.6                 |
|       |     | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)     | 44-000-00-00- |          | ±9.6                 |
| 10802 | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.87     | ±9.6                 |
| 10803 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.93     | ±9,6                 |
| 0805  | AAD | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.34     | ±9.6                 |
| 10806 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.37     | ±9.6                 |
| 10809 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.34     | ±9.6                 |
| 10810 | AAD | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.34     | ±9.6                 |
| 10812 | AAD | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.35     | ±9.6                 |
| 10817 | AAE | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 8.35     | ±9.6                 |
| 10818 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.34     | ±9.6                 |
| 10819 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.33     | ±9.6                 |
| 10820 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.30     | ±9.6                 |
| 10821 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41     | ±9.6                 |
| 10822 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41     | ±9.6                 |
| 10823 | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.36     | ±9.6                 |
| 10824 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.39     | ±9.6                 |
| 10825 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.41     | ±9.6                 |
| 10827 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.42     | ±9.6                 |
| 10828 | AAD | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.43     | ±9.6                 |

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| UID   | Rev | Communication System Name                            | Group         | PAR (dB) | UncE k = 2 |
|-------|-----|--|---------------|----------|------------|
| 10829 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 8.40     | ±9.6       |
| 10830 | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.63     | ±9.6       |
| 10831 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.73     | ±9.6       |
| 10832 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7,74     | ±9.6       |
| 10833 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6       |
| 10834 | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.75     | ±9.6       |
| 10835 | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6       |
| 10836 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.66     | ±9.6       |
| 10837 | AAD | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.68     | ±9.6       |
| 10839 | AAD | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6       |
| 10840 | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.67     | ±9.6       |
| 10841 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         | 5G NR FR1 TDD | 7.71     | ±9.6       |
| 10843 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8,49     | ±9.6       |
| 10844 | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.34     | ±9.6       |
| 10846 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.41     | ±9.6       |
| 10854 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.34     | ±9.6       |
| 10855 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.36     | ±9.6       |
| 10856 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.37     | ±9.6       |
| 10857 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.35     | ±9.6       |
| 10858 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.36     | ±9.6       |
| 10859 | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.34     | ±9.6       |
| 10860 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.41     | ±9.6       |
| 10861 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.40     | ±9.6       |
| 10863 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.41     | ±9.6       |
| 10864 | AAD | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.37     | ±9.6       |
| 10865 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)      | 5G NR FR1 TDD | 8.41     | +9.6       |
| 10866 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68     | ±9.6       |
| 10868 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.89     | ±9.6       |
| 10869 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 5.75     | ±9.6       |
| 10870 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)  | 5G NR FR2 TDD | 5.86     | ±9.6       |
| 10871 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 5.75     | ±9.6       |
| 10872 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52     | +9.6       |
| 10873 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 6.61     | ±9.6       |
| 10874 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65     | ±9.6       |
| 10875 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)        | 5G NR FR2 TDD | 7,78     | ±9.6       |
| 10876 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 8.39     | ±9.6       |
| 10877 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       | 5G NR FR2 TDD | 7.95     | ±9.6       |
| 10878 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 8.41     | ±9.6       |
| 10879 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)       | 5G NR FR2 TDD | 8.12     | 19.6       |
| 10880 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 8.38     | ±9.6       |
| 10881 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 5.75     | ±9.6       |
| 10882 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)   | 5G NR FR2 TDD | 5.96     | ±9.6       |
| 10883 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 6.57     | ±9.6       |
| 10884 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 6.53     | ±9.6       |
| 10885 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 6.61     | ±9.6       |
| 10886 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)  | 5G NR FR2 TDD | 6.65     | ±9.6       |
| 10887 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         | 5G NR FR2 TDD | 7.78     | ±9.6       |
| 10888 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 8.35     | ±9.6       |
| 10889 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)        | 5G NR FR2 TDD | 8.02     | ±9.6       |
| 10890 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 8.40     | ±9.6       |
| 10891 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)        | 5G NR FR2 TDD | 8.13     | ±9.6       |
| 10892 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 8.41     | ±9.6       |
| 10897 | AAC | 5G NR (DFT;s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD | 5.66     | ±9.6       |
| 10898 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD |          |            |
| 10899 | AAB | 5G NR (DFT:s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.67     | ±9.6       |
| 10999 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | +9.6       |
| 10900 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)       | 5G NR FRI TDD | 5.68     | ±9.6       |
| 10901 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 KHz)       | 5G NR FRI TDD |          |            |
| 10902 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       | 5G NR FRI TDD | 5.68     | ±9.6       |
| 10903 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 KHz)       |               |          | ±9.6       |
| 10904 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 KHz)       | 5G NR FR1 TDD | 5.68     | ±9.6       |
| 10905 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 KHz)       |               | 0.00     | ±9.6       |
| 10905 | AAC |  | 5G NR FR1 TDD | 5.68     | ±9.6       |
|       |     | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.78     | ±9.6       |
| 10908 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.93     | ±9.6       |
| 10909 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.96     | ±9.6       |
|       | AAB | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.83     | ±9.6       |

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| UID   | Rev | Communication System Name                           | Group         | PAR (dB) | $Unc^{E} k = 3$ |
|-------|-----|---|---------------|----------|-----------------|
| 10911 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.93     | ±9.6            |
| 10912 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.84     | ±9.6            |
| 0913  | AAB | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.84     | ±9.6            |
| 0914  | AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.85     | ±9.6            |
| 0915  | AAB | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.83     | ±9.6            |
| 0916  | AAB | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.87     | ±9.6            |
| 0917  | AAB | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94     | ±9.6            |
| 0918  | AAC | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.86     | ±9.6            |
| 0919  | AAB | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.86     | ±9.6            |
| 0920  | AAB | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.87     | ±9.6            |
| 0921  | AAB | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6            |
| 0922  | AAB | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.82     | ±9.6            |
| 0923  | AAB | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6            |
| 0924  | AAB | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6            |
| 0925  | AAB | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.95     | ±9.6            |
| 0926  | AAB | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6            |
| 0927  | AAB | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94     | ±9.6            |
| 0928  | AAC | 5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)         | 5G NR FR1 FDD | 5.52     | ±9.6            |
| 0929  | AAC | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52     | ±9.6            |
| 0930  | AAC | 5G NR (DFT-s-OFDM, 1 RB, 15MHz, QPSK, 15kHz)        | 5G NR FR1 FDD | 5.52     | ±9.6            |
| 0931  | AAC | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6            |
| 0932  | AAC | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6            |
| 0933  | AAC | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6            |
| 0934  | AAC | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6            |
| 0935  | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6            |
| 0936  | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.90     | ±9.6            |
| 0937  | AAC | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.77     | ±9.6            |
| 0938  | AAC | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.90     | ±9.6            |
| 0939  | AAC | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.82     | ±9.6            |
| 0940  | AAC | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.89     | ±9.6            |
| 0941  | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.83     | ±9.6            |
| 0942  | AAC | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.85     | ±9.6            |
| 0943  | AAD | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.95     | ±9.6            |
| 0944  | AAC | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.81     | ±9.6            |
| 0945  | AAC | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.85     | ±9.6            |
| 0946  | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.83     | ±9.6            |
| 0947  | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87     | ±9.6            |
| 0948  | AAC | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94     | ±9.6            |
| 0949  | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87     | ±9.6            |
| 0950  | AAC | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94     | ±9.6            |
| 0951  | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.92     | ±9.6            |
| 0952  | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 FDD | 8.25     | ±9.6            |
| 0953  | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.15     | ±9.6            |
| 0954  | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.23     | ±9.6            |
| 0955  | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.42     | ±9.6            |
| 0956  | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 FDD | 8.14     | ±9.6            |
| 0957  | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.31     | ±9.6            |
| 0958  | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.61     | ±9.6            |
| 0959  | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.33     | ±9.6            |
| 0960  | AAC | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 TDD | 9.32     | ±9.6            |
| 0961  | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.36     | ±9.6            |
| 0962  | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.40     | ±9.6            |
| 0963  | AAB | 5G NR DL (CP-OFDM, TM 3:1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.55     | ±9.6            |
| 0964  | AAC | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.29     | ±9.6            |
| 0965  | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.37     | ±9.6            |
| 0966  | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.55     | ±9.6            |
| 0967  | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.42     | ±9.6            |
| 0968  | AAB | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49     | ±9.6            |
| 0972  | AAB | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         | 5G NR FR1 TDD | 11.59    | ±9.6            |
| 0973  | AAB | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 9.06     | ±9.6            |
| 0974  | AAB | 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)  | 5G NR FR1 TDD | 10.28    | ±9.6            |
| 0978  | AAA | ULLA BOR  | ULLA          | 1,16     | ±9.6            |
| 0979  | AAA | ULLA HDR4   | ULLA          | 8.58     | ±9.6            |
| 0980  | AAA | ULLA HDR8   | ULLA          | 10.32    | ±9.6            |
| 0981  | AAA | ULLA HDRp4  | ULLA          | 3.19     | ±9.6            |
| 0982  | AAA | ULLA HDRp8  | ULLA          | 3.43     | ±9.6            |

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| UID   | Rev | Communication System Name                          | Group         | PAR (dB) | UncE k = 2 |
|-------|-----|--|---------------|----------|------------|
| 10983 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.31     | ±9.6       |
| 10984 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.42     | ±9.6       |
| 10985 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.54     | ±9.6       |
| 10986 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.50     | ±9.6       |
| 10987 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.53     | ±9.6       |
| 10988 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.38     | ±9.6       |
| 10989 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.33     | ±9.6       |
| 10990 | AAA | 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 | 8.51     | ±9.6       |
| 11009 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.76     | ±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 FDD | B.96     | ±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 | AAA | IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)     | WLAN          | 8.47     | ±9.6       |
| 11014 | AAA | IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)     | WLAN          | 8.45     | ±9.6       |
| 11015 | AAA | IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)     | WLAN          | 8.44     | ±9.6       |
| 11016 | AAA | IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)     | WLAN          | 8.44     | ±9.6       |
| 11017 | AAA | IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)     | WLAN          | 8.41     | ±9.6       |
| 11018 | AAA | IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)     | WLAN          | 8.40     | ±9.6       |
| 11019 | AAA | IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)     | WLAN          | 8.29     | ±9.6       |
| 11020 | AAA | IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)     | WLAN          | 8.27     | 19.6       |
| 11021 | AAA | IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)     | WLAN          | 8.46     | ±9.6       |
| 11022 | AAA | IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)    | WLAN          | 8.36     | ±9.6       |
| 11023 | AAA | IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)    | WLAN          | 8.09     | ±9.6       |
| 11024 | AAA | IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)    | WLAN          | 8.42     | ±9.6       |
| 11025 | AAA | IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)    | WLAN          | 8.37     | ±9.6       |
| 11026 | AAA | IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)     | WLAN          | 8.39     | ±9.6       |

E Uncertainty is determined using the max, deviation from linear response applying rectangular distribution and is expressed

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# - End of report -

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