

APPENDIX A. – Probe Calibration Data



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



Schweizerischer Kallbrierdienst Service sulsse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

Accreditation No.: SCS 0108

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

Client DT&C (Dymstec)

Certificate No: EX3-3916_Mar22

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| Object | EX3DV4 - SN:391 | 6 | |
|---|---|---|---|
| | | | |
| Calibration procedure(s) | | A CAL-14.v6, QA CAL-23.v5, QA ure for dosimetric E-field probes | CAL-25.v7 |
| | | | |
| Calibration date: | March 30, 2022 | | |
| This calibration certificate docu | ments the traceshility to nation | al standards, which realize the physical units | of monsuramonts (SI) |
| | | bability are given on the following pages and | |
| The market share and share and | entannico mur connacinco proi | submy are great on the following pages and | are part of the outmoute. |
| All calibrations have been cond | lucted in the closed laboratory | facility: environment temperature (22 ± 3)°C a | and humidity < 70% |
| | lucido in the closed laboratory | acinty. environment temperature (22 ± 5) 6 a | and numicity < 70%. |
| Collibration Equipment used (M | OTE addiest for antibustions | | |
| Calibration Equipment used (M | & I E critical for calibration) | | |
| | | | |
| Primary Standards | ID | Cal Date (Certificate No.) | Scheduled Calibration |
| Power meter NRP | SN: 104778 | 09-Apr-21 (No. 217-03291/03292) | Apr-22 |
| Power sensor NRP-Z91 | SN: 103244 | 09-Apr-21 (No. 217-03291) | Apr-22 |
| Power sensor NRP-Z91 | SN: 103245 | 09-Apr-21 (No. 217-03292) | Apr-22 |
| | SN: CC2552 (20x) | 09-Apr-21 (No. 217-03343) | Apr-22 |
| Reference 20 dB Attenuator | | | |
| Reference 20 dB Attenuator DAE4 | SN: 660 | 13-Oct-21 (No. DAE4-660 Oct21) | Oct-22 |
| | SN: 660 SN: 3013 | 13-Oct-21 (No. DAE4-660_Oct21) 27-Dec-21 (No. ES3-3013_Dec21) | Oct-22 Dec-22 |
| DAE4 | | 13-Oct-21 (No. DAE4-660_Oct21) 27-Dec-21 (No. ES3-3013_Dec21) | Oct-22 Dec-22 |
| DAE4 | | 27-Dec-21 (No. ES3-3013_Dec21) | |
| DAE4 Reference Probe ES3DV2 | SN: 3013 | 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) | Dec-22 Scheduled Check |
| DAE4 Reference Probe ES3DV2 Secondary Standards | SN: 3013 | 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) 06-Apr-16 (in house check Jun-20) | Dec-22 Scheduled Check In house check: Jun-22 |
| DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E4419B | SN: 3013 ID SN: GB41293874 | 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) | Dec-22 Scheduled Check |
| DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E44198 Power sensor E4412A | SN: 3013 ID SN: GB41293874 SN: MY41498087 | 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 08-Apr-16 (in house check Jun-20) | Dec-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 |
| DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E44198 Power sensor E4412A Power sensor E4412A | SN: 3013 ID SN: GB41293874 SN: MY41498087 SN: 000110210 | 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) | Dec-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 |
| DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E44198 Power sensor E4412A Power sensor E4412A RF generator HP 8648C | SN: 3013 ID SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US41080477 | 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 08-Apr-16 (in house check Jun-20) 04-Aug-99 (in house check Jun-20) 31-Mar-14 (in house check Oct-20) | Dec-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 |
| DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A RF generator HP 8648C Network Analyzer E8358A | SN: 3013 ID SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US41080477 Name | 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 04-Aug-99 (in house check Jun-20) 31-Mar-14 (in house check Oct-20) Function | Dec-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 |
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| DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E44198 Power sensor E4412A Power sensor E4412A RF generator HP 8648C Network Analyzer E8358A Calibrated by: | SN: 3013 ID SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US41080477 Name Aidonia Georgiadou | 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 04-Aug-99 (in house check Jun-20) 31-Mar-14 (in house check Oct-20) Function | Dec-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 |
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Glossary:

| TSL | tissue simulating liquid |
|---------------------|--|
| NORMx,y,z | sensitivity in free space |
| ConvF | sensitivity in TSL / NORMx,y,z |
| DCP | diode compression point |
| CF | crest factor (1/duty_cycle) of the RF signal |
| A, B, C, D | modulation dependent linearization parameters |
| Polarization ϕ | φ rotation around probe axis |
| Polarization 9 | 9 rotation around an axis that is in the plane normal to probe axis (at measurement center), |
| | i.e., 9 = 0 is normal to probe axis |
| Connector Angle | information used in DASY system to align probe sensor X to the robot coordinate system |

Calibration is Performed According to the Following Standards:

- 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 9 = 0 (f ≤ 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,y,z = NORMx,y,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 ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- 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,y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 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 antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

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DASY/EASY - Parameters of Probe: EX3DV4 - SN:3916

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|--|----------|----------|----------|-----------|
| Norm (µV/(V/m) ²) ^A | 0.56 | 0.48 | 0.52 | ± 10.1 % |
| DCP (mV) ^B | 99.3 | 101.0 | 99.6 | |

Modulation Calibration Parameters

| UID | Communication System Name | | A dB | B dBõV | с | D dB | VR mV | Unc ^E (k=2) |
|-----|---------------------------|---|---------|-----------|-----|---------|----------|---------------------------|
| 0 | CW | X | 0.0 | 0.0 | 1.0 | 0.00 | 147.8 | ±3.0 % |
| - | | Y | 0.0 | 0.0 | 1.0 | | 140.9 | |
| | | Z | 0.0 | 0.0 | 1.0 | | 141.9 | |

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%.

^A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Page 5).

^B Numerical linearization parameter: uncertainty not required. ^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the

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DASY/EASY - Parameters of Probe: EX3DV4 - SN:3916

Other Probe Parameters

| Sensor Arrangement | Triangular |
|---|------------|
| Connector Angle (°) | -91.1 |
| Mechanical Surface Detection Mode | enabled |
| Optical Surface Detection Mode | disabled |
| Probe Overall Length | 337 mm |
| Probe Body Diameter | 10 mm |
| Tip Length | 9 mm |
| Tip Diameter | 2.5 mm |
| Probe Tip to Sensor X Calibration Point | 1 mm |
| Probe Tip to Sensor Y Calibration Point | 1 mm |
| Probe Tip to Sensor Z Calibration Point | 1 mm |
| Recommended Measurement Distance from Surface | 1.4 mm |

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

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DASY/EASY - Parameters of Probe: EX3DV4 - SN:3916

| f (MHz) ^c | Relative Permittivity ^F | Conductivity (S/m) F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k=2) |
|----------------------|---------------------------------------|-------------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 750 | 41.9 | 0.89 | 10.14 | 10.14 | 10.14 | 0.32 | 1.04 | ± 12.0 % |
| 835 | 41.5 | 0.90 | 9.83 | 9.83 | 9.83 | 0.48 | 0.80 | ± 12.0 % |
| 900 | 41.5 | 0.97 | 9.49 | 9.49 | 9.49 | 0.48 | 0.80 | ± 12.0 % |
| 1750 | 40.1 | 1.37 | 8.53 | 8.53 | 8.53 | 0.36 | 0.86 | ± 12.0 % |
| 1900 | 40.0 | 1.40 | 8.24 | 8.24 | 8.24 | 0.36 | 0.86 | ± 12.0 % |
| 2450 | 39.2 | 1.80 | 7.71 | 7.71 | 7.71 | 0.34 | 0.90 | ± 12.0 % |
| 2600 | 39.0 | 1.96 | 7.42 | 7.42 | 7.42 | 0.41 | 0.90 | ± 12.0 % |
| 5200 | 36.0 | 4.66 | 5.05 | 5.05 | 5.05 | 0.40 | 1.80 | ± 13.1 % |
| 5300 | 35.9 | 4.76 | 4.95 | 4.95 | 4.95 | 0.40 | 1.80 | ± 13.1 % |
| 5500 | 35.6 | 4.96 | 4.80 | 4.80 | 4.80 | 0.40 | 1.80 | ± 13.1 % |
| 5600 | 35.5 | 5.07 | 4.61 | 4.61 | 4.61 | 0.40 | 1.80 | ± 13.1 % |
| 5800 | 35.3 | 5.27 | 4.70 | 4.70 | 4.70 | 0.40 | 1.80 | ± 13.1 % |

Calibration Parameter Determined in Head Tissue Simulating Media

^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 for 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 5 GHz frequency validity can be extended to ± 110 MHz.
^F At frequencies below 3 GHz, the validity of tissue parameters (s and o) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAD values. At frequencies above 3 GHz, the validity of tissue parameters (s and o) can be relaxed to the 16 % if liquid compensation formula is applied to measured SAD values. At frequencies above 3 GHz, the validity of tissue parameters (s and o) can be relaxed to the 16 % if liquid compensation formula is applied to measured SAD values. At frequencies above 3 GHz, the validity of tissue parameters (s and o) can be relaxed to the 15 %. The uncertainty is the RSS of the sector of the sector of the sector of the sector of the sector.

The dependence of the value of

diameter from the boundary.

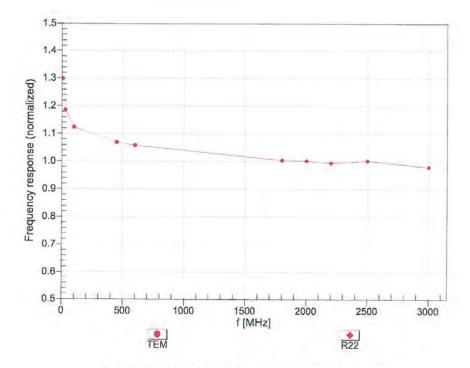
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Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

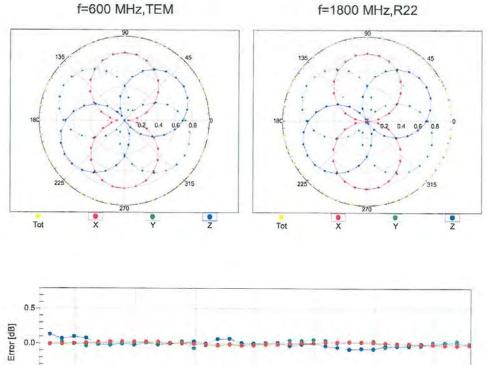
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Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

0.0--0.5--150 -100 -50 0 50 100 150 Roll ["] 100 MHz 600 MHz 2500 MHz

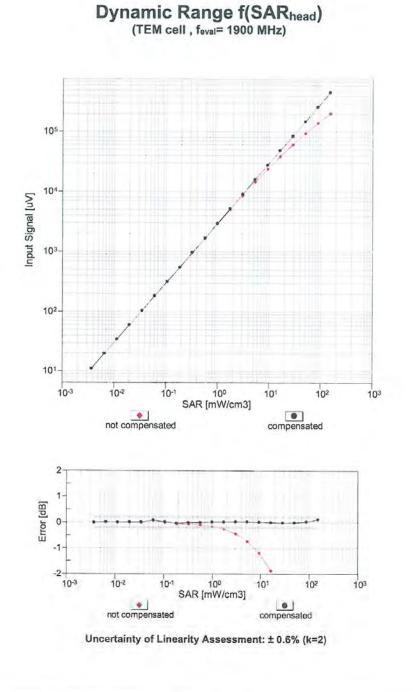
Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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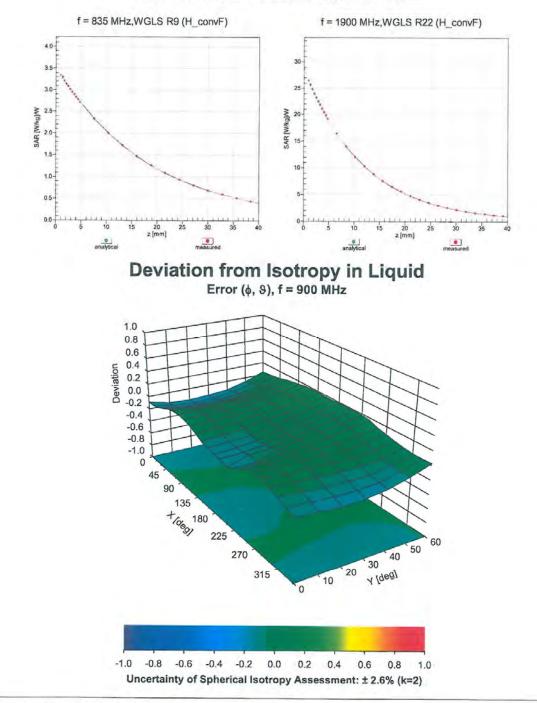


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Conversion Factor Assessment

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





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- Servizio svizzero di taratura
- Swiss Calibration Service

Accreditation No.: SCS 0108

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| ent DI&C (Dyms | tec) | Certificate No E | (-7337_May22 |
|--|--|--|---|
| CALIBRATION CI | ERTIFICATE | | |
| Object | EX3DV4 - SN:73 | 37 | |
| Calibration procedure(s) | QA CAL-25.v7 | QA CAL-12.v9, QA CAL-14.v6, QA | |
| Calibration date | May 31, 2022 | | |
| All calibrations have been co | | atory facility: environment temperature (22 ± 3 |)°C and humidity < 70%. |
| Calibration Equipment used | (M&TE critical for calibration |) | |
| | |) Cal Date (Certilicate No.) | Scheduled Calibration |
| Primary Standards | ID SN: 104778 | | Scheduled Calibration Apr-23 |
| rimary Standards Power meter NRP | D | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) | Apr-23 Apr-23 |
| Primary Standards Power meter NRP Power sensor NRP-Z91 | ID SN: 104778 | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) | Apr-23 Apr-23 Oct-22 |
| Primary Standards Power meter NRP Power sensor NRP-Z91 DCP DAK-3.5 (weighted) | ID SN: 104778 SN: 103244 SN: 1249 SN: 1016 | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK12-1016_Oct21) | Apr-23 Apr-23 Oct-22 Oct-22 |
| Primary Slandards Power meter NRP Power sensor NRP-Z91 DCP DAK-3.5 (weighted) DCP DAK-12 | ID SN: 104778 SN: 103244 SN: 1249 SN: 1016 SN: CC2552 (20x) | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK12-1016_Oct21) 04-Apr-22 (No. 217-03527) | Apr-23 Apr-23 Oct-22 Oct-22 Apr-23 |
| Primary Standards Power meter NRP Power sensor NRP-Z91 DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator DAE4 | ID SN: 104778 SN: 103244 SN: 1249 SN: 1016 SN: CC2552 (20x) SN: 660 | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK12-1016_Oct21) 04-Apr-22 (No. 217-03527) 13-Oct-21 (No. DAE4-660_Oct21) | Apr-23 Apr-23 Oct-22 Oct-22 Apr-23 Oct-22 |
| Primary Standards Power meter NRP Power sensor NRP-Z91 DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator DAE4 | ID SN: 104778 SN: 103244 SN: 1249 SN: 1016 SN: CC2552 (20x) | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK12-1016_Oct21) 04-Apr-22 (No. 217-03527) | Apr-23 Apr-23 Oct-22 Oct-22 Apr-23 |
| Primary Standards Power meter NRP Power sensor NRP-Z91 DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 | ID SN: 104778 SN: 103244 SN: 1249 SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK12-1016_Oct21) 04-Apr-22 (No. 217-03527) 13-Oct-21 (No. DAE4-660_Oct21) 27-Dec-21 (No. ES3-3013_Dec21) | Apr-23 Apr-23 Oct-22 Oct-22 Apr-23 Oct-22 |
| Primary Standards Power meter NRP Power sensor NRP-Z91 DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards | ID SN: 104778 SN: 103244 SN: 1249 SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK12-1016_Oct21) 04-Apr-22 (No. 217-03527) 13-Oct-21 (No. DAE4-660_Oct21) 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) | Apr-23 Apr-23 Oct-22 Oct-22 Apr-23 Oct-22 Dec-22 Scheduled Check |
| Primary Standards Power meter NRP Power sensor NRP-Z91 DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E4419B | ID SN: 104778 SN: 103244 SN: 1249 SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK12-1016_Oct21) 04-Apr-22 (No. 217-03527) 13-Oct-21 (No. DAE4-660_Oct21) 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) 06-Apr-16 (in house check Jun-20) | Apr-23 Apr-23 Oct-22 Oct-22 Apr-23 Oct-22 Dec-22 Scheduled Check In house check: Jun-22 |
| Primary Standards Power meter NRP Power sensor NRP-Z91 OCP DAK-35 (weighted) OCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E4419B Power sensor E4412A | ID SN: 104778 SN: 103244 SN: 1249 SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK12-1016_Oct21) 04-Apr-22 (No. 217-03527) 13-Oct-21 (No. DAE4-660_Oct21) 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) | Apr-23 Apr-23 Oct-22 Oct-22 Apr-23 Oct-22 Dec-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 |
| Primary Standards Power meter NRP Power sensor NRP-Z91 DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A | ID SN: 104778 SN: 103244 SN: 103244 SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41498087 | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 04-Apr-22 (No. 217-03527) 13-Oct-21 (No. DAE4-660_Oct21) 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 04-Apr-29 (in house check Jun-20) | Apr-23 Apr-23 Oct-22 Oct-22 Apr-23 Oct-22 Dec-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 |
| Primary Standards Power meter NRP Power sensor NRP-Z91 OCP DAK-3.5 (weighted) OCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power sensor E44198 Power sensor E4412A Power sensor E4412A RF generator HP 8648C | ID SN: 104778 SN: 103244 SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41498087 SN: 000110210 | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (No. 217-03527) 13-Oct-21 (No. DAE4-660_Oct21) 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 08-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) | Apr-23 Apr-23 Oct-22 Oct-22 Apr-23 Oct-22 Dec-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 |
| Calibration Equipment used Primary Standards Power meter NRP Power sensor NRP-Z91 OCP DAK-35 (weighted) OCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A RF generator HP 8648C Network Analyzer E8358A | ID SN: 104778 SN: 103244 SN: 1249 SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 04-Apr-22 (No. 217-03527) 13-Oct-21 (No. DAE4-660_Oct21) 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 04-Apr-29 (in house check Jun-20) | Apr-23 Apr-23 Oct-22 Oct-22 Apr-23 Oct-22 Dec-22 Dec-22 |
| Primary Standards Power meter NRP Power sensor NRP-Z91 OCP DAK-3.5 (weighted) OCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power sensor E44198 Power sensor E4412A RF generator HP 8648C | ID SN: 104778 SN: 103244 SN: 1249 SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US3642U01700 SN: US41080477 | Cal Date (Certilicate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 20-Oct-21 (OCP-DAK3.5-1249_Oct21) 04-Apr-22 (No. 217-03527) 13-Oct-21 (No. DAE4-660_Oct21) 27-Dec-21 (No. ES3-3013_Dec21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 04-Aug-39 (in house check Jun-20) 31-Mar-14 (in house check Oct-20) | Apr-23 Apr-23 Oct-22 Oct-22 Apr-23 Oct-22 Dec-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 |

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





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

Glossary

| TSL | tissue simulating liquid |
|--------------------------|--|
| NORMx,y,z | sensitivity in free space |
| ConvF | sensitivity in TSL / NORMx,y,z |
| DCP | diode compression point |
| CF | crest factor (1/duty_cycle) of the RF signal |
| A, B, C, D | modulation dependent linearization parameters |
| Polarization φ | φ rotation around probe axis |
| Polarization ϑ | ϑ 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 |
| Connector Angle | information used in DASV system to align probe sensor X to the robot coordinate system |

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

Calibration is Performed According to the Following Standards:

- a) IEC/IEE 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 ∂ = 0 (f ≤ 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,y,z = NORMx,y,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 ConvF.
- 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 $f \le 800$ 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, y, z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 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 antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- · Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).



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Parameters of Probe: EX3DV4 - SN:7337

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k = 2) |
|--------------------------|----------|----------|----------|-------------|
| Norm $(\mu V/(V/m)^2)^A$ | 0.61 | 0.59 | 0.55 | ±10.1% |
| DCP (mV) B | 107.7 | 104.7 | 100.8 | ±4.7% |

Calibration Results for Modulation Response

| UID | Communication System Name | | A dB | B dBõV | с | D dB | VR mV | Max dev. | Max Unc ^E k = 2 |
|-----------------------|---|---|---------|-----------|-------|-------------------------|----------|-------------|----------------------------------|
| 0 | CW | X | 0.00 | 0.00 | 1.00 | 0.00 | 161.9 | ±2.5% | ±4.7% |
| 2 | 1 M | Y | 0.00 | 0.00 | 1.00 | 1000 | 159.2 | | 1.1 |
| | | Z | 0.00 | 0.00 | 1.00 | 1.4 | 167.9 | | 1. |
| 10352 | Pulse Waveform (200Hz, 10%) | X | 1.59 | 60.98 | 6.46 | 10.00 | 60.0 | ±3.5% | ±9.6% |
| | 1 4 1 1 4 1 4 1 4 1 4 1 4 1 4 4 4 4 4 4 | Y | 16.18 | 127.04 | 9.87 | | 60.0 | | |
| | | Z | 20.00 | 90.69 | 20.15 | 1.4 | 60.0 | | |
| 10353 | Pulse Waveform (200Hz, 20%) | X | 0.84 | 60.00 | 4.89 | 6.99 | 80.0 | ±4.8% | ±9.6% |
| | | Y | 20.00 | 120.44 | 28.09 | | 80.0 | | |
| and the second second | | Z | 20.00 | 93.12 | 20.21 | 1. International (1997) | 80.0 | | |
| 10354 | Pulse Waveform (200Hz, 40%) | X | 0.05 | 126.76 | 0.07 | 3.98 | 95.0 | ±2.7% | ±9.6% |
| | | Y | 0.03 | 79.73 | 10000 | | 95.0 | | |
| | | Z | 20.00 | 96.87 | 20.55 | | 95.0 | | |
| 10355 | Pulse Waveform (200Hz, 60%) | X | 7.17 | 159.91 | 5.06 | 2.22 | 120.0 | ±1.7% | ±9.6% |
| | and and a when the set of | Y | 0.03 | 60.00 | 10000 | | 120.0 | | |
| | | Z | 20.00 | 97.71 | 19.52 | | 120.0 | | |
| 10387 | QPSK Waveform, 1 MHz | X | 0.56 | 64.07 | 12.07 | 1.00 | 150.0 | ±4.0% | ±9.6% |
| | | Y | 0.71 | 71.32 | 18.32 | | 150.0 | | |
| | | Z | 1.54 | 64.37 | 13.84 | | 150.0 | | |
| 10388 | QPSK Waveform, 10 MHz | X | 1.34 | 65.88 | 13.74 | 0.00 | 150.0 | ±1.2% | ±9.6% |
| | Construction of the second s | Y | 1.79 | 72.19 | 16.77 | 1.1 | 150.0 | | |
| | | Z | 2.03 | 66.28 | 14.56 | | 150.0 | | |
| 10396 | 64-QAM Waveform, 100 kHz | X | 1.67 | 64.43 | 15.79 | 3.01 | 150.0 | ±1.0% | ±9.6% |
| | A A A A A A A A A A A A A A A A A A A | Y | 1.52 | 63.11 | 15.72 | | 150.0 | 1.000 | 1.00 |
| | which is a second second second second | Z | 2.86 | 70.19 | 18.52 | 1.00 | 150.0 | | |
| 10399 | 64-QAM Waveform, 40 MHz | X | 2.83 | 66.35 | 15.04 | 0.00 | 150.0 | ±2.0% | ±9.6% |
| | a second second second second second | Y | 2.89 | 67.67 | 16.18 | | 150.0 | 1 | 1.1.1 |
| | and the second | Z | 3.37 | 66.33 | 15.19 | | 150.0 | 1 | |
| 10414 | WLAN CCDF, 64-QAM, 40 MHz | X | 3.83 | 66.03 | 15.23 | 0.00 | 150.0 | ±3.9% | ±9.6% |
| | | Y | 3.83 | 67.50 | 16.14 | | 150.0 | | |
| | | Z | 4.81 | 65.26 | 15.21 | | 150.0 | | |

Note: For details on UID parameters see Appendix

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

A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 to 7). 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:7337

Sensor Model Parameters

| | C1 fF | C2 fF | α V ⁻¹ | T1 msV ⁻² | T2 ms V ⁻¹ | T3 ms | T4 V ⁻² | T5 V ⁻¹ | Т6 |
|---|----------|----------|----------------------|-------------------------|--------------------------|----------|-----------------------|-----------------------|------|
| Х | 10.0 | 71.79 | 33.19 | 4.60 | 0.00 | 4.92 | 0.60 | 0.00 | 1.00 |
| У | 6.7 | 51.01 | 36.61 | 0.00 | 0.00 | 5.00 | 0.00 | 0.00 | 1.00 |
| Z | 49.3 | 369.08 | 35.55 | 11.24 | 0.01 | 5.10 | 1.36 | 0.21 | 1.01 |

Other Probe Parameters

| Sensor Arrangement | Triangular |
|---|------------|
| Connector Angle | -174.2° |
| Mechanical Surface Detection Mode | enabled |
| Optical Surface Detection Mode | disabled |
| Probe Overall Length | 337 mm |
| Probe Body Diameter | 10 mm |
| Tip Length | 9 mm |
| Tip Diameter | 2.5 mm |
| Probe Tip to Sensor X Calibration Point | 1 mm |
| Probe Tip to Sensor Y Calibration Point | 1 mm |
| Probe Tip to Sensor Z Calibration Point | 1 mm |
| Recommended Measurement Distance from Surface | 1.4 mm |

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

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Parameters of Probe: EX3DV4 - SN:7337

Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) ^C | Relative Permittivity ^F | Conductivity ^F (S/m) | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k = 2) |
|----------------------|---------------------------------------|------------------------------------|---------|---------|---------|--------------------|----------------------------|----------------|
| 750 | 41.9 | 0.89 | 10.19 | 10.19 | 10.19 | 0.54 | 0.81 | ±12.0% |
| 835 | 41.5 | 0.90 | 9.85 | 9.85 | 9.85 | 0.48 | 0.80 | ±12.0% |
| 900 | 41.5 | 0.97 | 9.73 | 9.73 | 9.73 | 0.43 | 0.80 | ±12.0% |
| 1750 | 40.1 | 1.37 | 8.70 | 8.70 | 8.70 | 0.26 | 0.80 | ±12.0% |
| 1900 | 40.0 | 1.40 | 8.39 | 8.39 | 8.39 | 0.34 | 0.80 | ±12.0% |
| 2450 | 39.2 | 1.80 | 7.66 | 7.66 | 7.66 | 0.33 | 0.80 | ±12.0% |
| 2600 | 39.0 | 1.96 | 7.39 | 7.39 | 7.39 | 0.38 | 0.80 | ±12.0% |
| 3300 | 38.2 | 2.71 | 6.87 | 6.87 | 6.87 | 0.25 | 1.35 | ±13.1% |
| 3500 | 37.9 | 2.91 | 6.80 | 6.80 | 6.80 | 0.30 | 1.35 | ±13.1% |
| 3700 | 37.7 | 3.12 | 6.60 | 6.60 | 6.60 | 0.30 | 1.35 | ±13.1% |
| 3900 | 37.5 | 3.32 | 6.20 | 6.20 | 6.20 | 0.40 | 1.60 | ±13.1% |
| 4100 | 37.2 | 3.53 | 6.08 | 6.08 | 6.08 | 0.40 | 1.60 | ±13.1% |
| 4200 | 37.1 | 3.63 | 6.05 | 6.05 | 6.05 | 0.40 | 1.70 | ±13.1% |
| 4400 | 36.9 | 3.84 | 5.66 | 5.66 | 5.66 | 0.40 | 1.70 | ±13.1% |
| 4600 | 36.7 | 4.04 | 5.57 | 5.57 | 5.57 | 0.40 | 1.70 | ±13.1% |
| 4800 | 36.4 | 4.25 | 5.54 | 5.54 | 5.54 | 0.40 | 1.80 | ±13.1% |
| 4950 | 36.3 | 4.40 | 5.48 | 5.48 | 5.48 | 0.40 | 1.80 | ±13.1% |
| 5200 | 36.0 | 4.66 | 5.60 | 5.60 | 5.60 | 0.40 | 1.80 | ±13.1% |
| 5300 | 35.9 | 4.76 | 5.49 | 5.49 | 5.49 | 0.40 | 1.80 | ±13.1% |
| 5500 | 35.6 | 4.96 | 5.20 | 5.20 | 5.20 | 0.40 | 1.80 | ±13.1% |
| 5600 | 35.5 | 5.07 | 5.07 | 5.07 | 5.07 | 0.40 | 1.80 | ±13.1% |
| 5800 | 35.3 | 5.27 | 5.05 | 5.05 | 5.05 | 0.40 | 1.80 | ±13.1% |

^C Frequency validity above 300 MHz of \pm 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to \pm 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 \pm 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to \pm 110 MHz. ^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz the validity of tissue parameters (ϵ and σ) is restricted to \pm 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated to the total tissue narameters.

indicated target tissue parameters.

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

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Parameters of Probe: EX3DV4 - SN:7337

Calibration Parameter Determined in Body Tissue Simulating Media

| f (MHz) ^C | Relative Permittivity ^F | Conductivity ^F (S/m) | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k = 2) |
|----------------------|---------------------------------------|------------------------------------|---------|---------|---------|--------------------|----------------------------|----------------|
| 750 | 55.5 | 0.96 | 10.15 | 10.15 | 10.15 | 0.33 | 0.98 | ±12.0% |
| 835 | 55.2 | 0.97 | 9.93 | 9.93 | 9.93 | 0.34 | 0.95 | ±12.0% |
| 900 | 55.0 | 1.05 | 9.69 | 9.69 | 9.69 | 0.51 | 0.80 | ±12.0% |
| 1750 | 53.4 | 1.49 | 8.17 | 8.17 | 8.17 | 0.38 | 0.86 | ±12.0% |
| 1900 | 53.3 | 1.52 | 7.75 | 7.75 | 7.75 | 0.40 | 0.86 | ±12.0% |
| 2450 | 52.7 | 1.95 | 7.51 | 7.51 | 7.51 | 0.35 | 0.90 | ±12.0% |
| 2600 | 52.5 | 2.16 | 7.47 | 7.47 | 7.47 | 0.31 | 0.90 | ±12.0% |
| 3300 | 51.6 | 3.08 | 6.51 | 6.51 | 6.51 | 0.40 | 1.35 | ±13.1% |
| 3500 | 51.3 | 3.31 | 6.45 | 6.45 | 6.45 | 0.40 | 1.35 | ±13.1% |
| 3700 | 51.0 | 3.55 | 6.35 | 6.35 | 6.35 | 0.40 | 1.35 | ±13.1% |
| 3900 | 50.8 | 3.78 | 6.22 | 6.22 | 6.22 | 0.40 | 1.60 | ±13.1% |
| 4100 | 50.5 | 4.01 | 6.07 | 6.07 | 6.07 | 0.40 | 1.60 | ±13.1% |
| 4200 | 50.4 | 4.13 | 5.90 | 5.90 | 5.90 | 0.40 | 1.60 | ±13.1% |
| 4400 | 50.1 | 4.37 | 5.84 | 5.84 | 5.84 | 0.40 | 1.70 | ±13.1% |
| 4600 | 49.8 | 4.60 | 5.78 | 5.78 | 5.78 | 0.40 | 1.70 | ±13.1% |
| 4800 | 49.6 | 4.83 | 5.60 | 5.60 | 5.60 | 0.50 | 1.90 | ±13.1% |
| 4950 | 49.4 | 5.01 | 5.43 | 5.43 | 5.43 | 0.50 | 1.90 | ±13.1% |
| 5200 | 49.0 | 5.30 | 5.06 | 5.06 | 5.06 | 0.50 | 1.90 | ±13.1% |
| 5300 | 48.9 | 5.42 | 4.91 | 4.91 | 4.91 | 0.50 | 1.90 | ±13.1% |
| 5500 | 48.6 | 5.65 | 4.56 | 4.56 | 4.56 | 0.50 | 1.90 | ±13.1% |
| 5600 | 48.5 | 5.77 | 4.42 | 4.42 | 4.42 | 0.50 | 1.90 | ±13.1% |
| 5800 | 48.2 | 6.00 | 4.45 | 4.45 | 4.45 | 0.50 | 1.90 | ±13.1% |

^C Frequency validity above 300 MHz of \pm 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to \pm 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 \pm 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to \pm 110 MHz. ^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to \pm 5%. The uncertainty is the RSS of the ConvF uncertainty for uncertainty for the convF uncertainty of the convF uncertainty for the restricted to \pm 5%.

indicated target tissue parameters.

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

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Parameters of Probe: EX3DV4 - SN:7337

Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) ^C | Relative Permittivity ^F | Conductivity ^F (S/m) | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k = 2) |
|----------------------|---------------------------------------|------------------------------------|---------|---------|---------|--------------------|----------------------------|----------------|
| 6500 | 34.5 | 6.07 | 5.50 | 5.50 | 5.50 | 0.25 | 2.50 | ±18.6% |

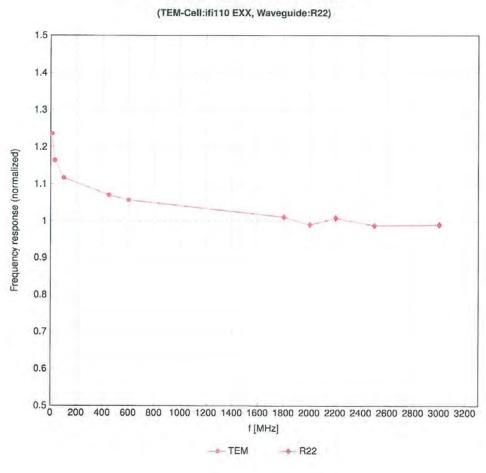
^C Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. ^C At frequencies 6–10 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to $\pm10\%$ if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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

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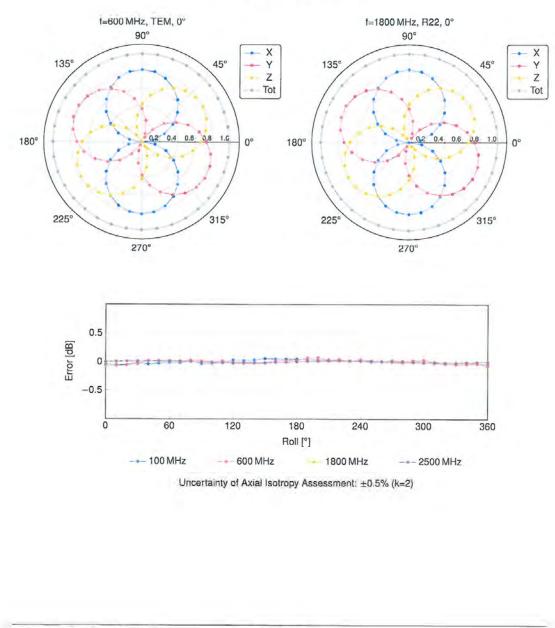
Frequency Response of E-Field

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

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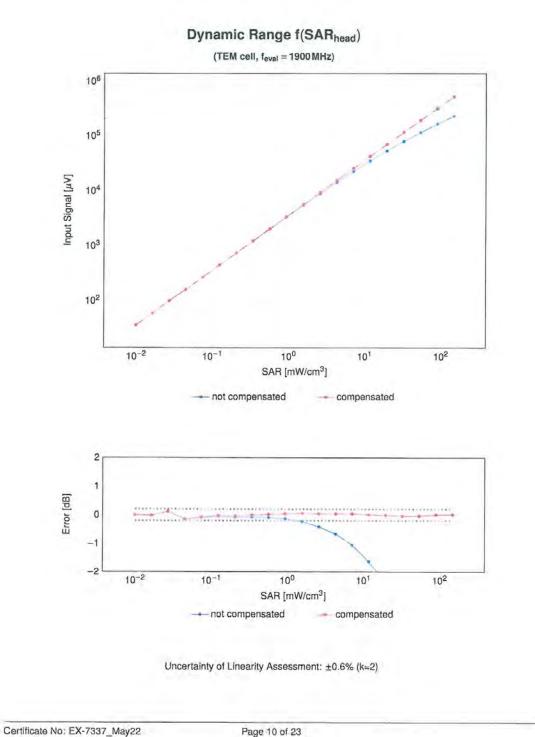
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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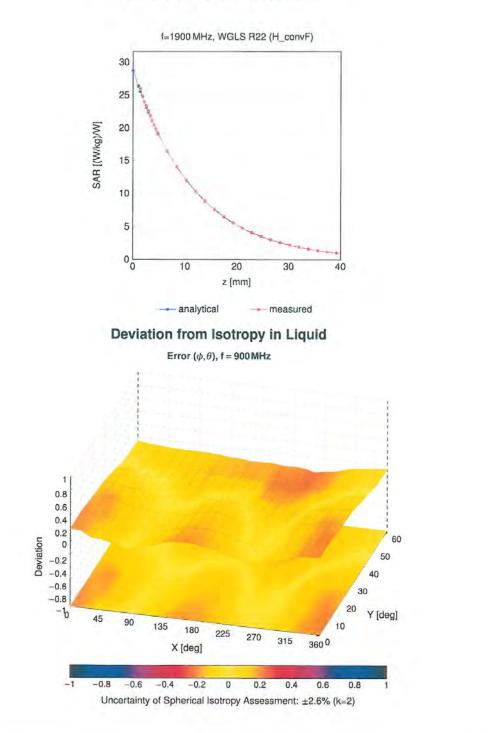
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Appendix: Modulation Calibration Parameters

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|-------|-----|--|--------------|----------|----------------------|
| 0 | | CW | CW | 0.00 | ±4.7 |
| 10010 | CAA | SAR Validation (Square, 100 ms, 10 ms) | Test | 10.00 | ±9.6 |
| 10011 | CAB | UMTS-FDD (WCDMA) | WCDMA | 2.91 | ±9.6 |
| 10012 | CAB | IEEE 802.11b WiFI 2.4 GHz (DSSS, 1 Mbps) | WLAN | 1.87 | ±9.6 |
| 10013 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | WLAN | 9.46 | ±9.6 |
| 10021 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ±9.6 |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | ±9.6 |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 6.56 | ±9.6 |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0) | GSM | 12.62 | ±9.6 |
| 0026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9.55 | ±9.6 |
| 0027 | 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 |
| 0030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1) | Bluetooth | 5.30 | ±9.6 |
| 0031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3) | Bluetooth | 1.87 | ±9.6 |
| 0032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5) | Bluetooth | 1.16 | ±9.6 |
| 0033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) | Bluetooth | 7.74 | ±9.6 |
| 0034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) | Bluetooth | 4.53 | ±9.6 |
| 0035 | 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 | ±9.6 |
| 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) | Bluetooth | 4.10 | ±9.6 |
| 0039 | CAB | CDMA2000 (1xRTT, RC1) | CDMA2000 | 4.10 | ±9.6 |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS | | |
| 10042 | CAA | IS-91/EIA/TIA-553 FDD (FDMA/FDM, FI/4-DQFSK, Hailfate) | | 7.78 | ±9.6 |
| 10048 | CAA | | AMPS DECT | 0.00 | ±9.6 |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | | 13.80 | ±9.6 |
| 10056 | CAA | | DECT | 10.79 | ±9,6 |
| 10058 | DAC | UMTS-TDD (TD-SCDMA, 1.28 Mcps) | TD-SCDMA | 11.01 | ±9.6 |
| | CAB | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | ±9.6 |
| 10059 | | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) | WLAN | 2.12 | ±9.6 |
| | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) | WLAN | 2.83 | ±9.6 |
| 10061 | | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) | WLAN | 3.60 | ±9.6 |
| 10062 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) | WLAN | 8.68 | ±9.6 |
| 10063 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) | WLAN | 8.63 | ±9.6 |
| 10064 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) | WLAN | 9.09 | ±9.6 |
| 10065 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps) | WLAN | 9.00 | ±9.6 |
| 10066 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps) | WLAN | 9.38 | ±9.6 |
| 10067 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps) | WLAN | 10.12 | ±9.6 |
| 10068 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | ±9.6 |
| 10069 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) | WLAN | 10.56 | ±9.6 |
| 10071 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps) | WLAN | 9.83 | ±9.6 |
| 0072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.62 | ±9.6 |
| 10073 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | WLAN | 9.94 | ±9.6 |
| 10074 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | WLAN | 10.30 | ±9.6 |
| 10075 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | WLAN | 10.77 | ±9.6 |
| 10076 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | WLAN | 10.94 | ±9.6 |
| 10077 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | WLAN | 11.00 | ±9.6 |
| 10081 | CAB | CDMA2000 (1xRTT, RC3) | CDMA2000 | 3.97 | ±9.6 |
| 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 | 6.56 | +9.6 |
| 0097 | CAC | UMTS-FDD (HSDPA) | WCDMA | 3.98 | ±9.6 |
| 0098 | DAC | UMTS-FDD (HSUPA, Subtest 2) | WCDMA | 3.98 | ±9.6 |
| 0099 | CAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | GSM | 9.55 | ±9,6 |
| 0100 | CAC | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-FDD | 5.67 | ±9.6 |
| 0101 | CAB | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ±9.6 |
| 0102 | CAB | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.6 |
| 0103 | DAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-TDD | 9.29 | ±9.6 |
| 0104 | CAE | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.97 | ±9.6 |
| 0105 | CAE | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.01 | +9.6 |
| 0108 | CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-FDD | 5.80 | ±9.6 |
| 0109 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ±9.6 |
| 0110 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-FDD | 5.75 | ±9.6 |
| 0111 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.44 | ±9.6 |

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| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|-------|-----|--|---------|----------|----------------------|
| 10112 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.59 | ±9.6 |
| 10113 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.62 | ±9.6 |
| 10114 | CAG | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) | WLAN | 8.10 | ±9.6 |
| 10115 | CAG | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | WLAN | 8.46 | ±9.6 |
| 10116 | CAG | IEEE 802,11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN | 8.15 | ±9.6 |
| 10117 | CAG | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8.07 | ±9.6 |
| 10118 | CAD | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | WLAN | 8.59 | ±9.6 |
| 10119 | CAD | IEEE 802 11n (HT Mixed, 135 Mbps, 64-QAM) | WLAN | 8.13 | ±9.6 |
| 10140 | CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.49 | ±9.6 |
| 10141 | CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.53 | ±9.6 |
| 10142 | CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 |
| 10143 | CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.35 | ±9.6 |
| 10144 | CAC | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.65 | ±9.6 |
| 10145 | CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.76 | ±9.6 |
| 10146 | CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6,41 | ±9.6 |
| 10147 | CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.72 | ±9.6 |
| 10149 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ±9.6 |
| 10150 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.6 |
| 10151 | CAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-TDD | 9.28 | ±9.6 |
| 10152 | CAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-TOD | 9.92 | ±9.6 |
| 10153 | CAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.05 | ±9.6 |
| 10154 | CAF | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-FDD | 5.75 | ±9.6 |
| 10155 | CAF | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ±9.6 |
| 10156 | CAF | LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK) | LTE-FDD | 5.79 | ±9.6 |
| 10157 | CAE | LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QAM) | LTE-FDD | 6.49 | ±9.6 |
| 10158 | CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.62 | ±9.6 |
| 10159 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5MHz, 64-QAM) | LTE-FDD | 6.56 | ±9.6 |
| 10160 | CAG | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-FDD | 5.82 | ±9.6 |
| 10161 | CAG | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.43 | ±9.6 |
| 10162 | CAG | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.58 | ±9.6 |
| 10166 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.46 | ±9.6 |
| 10167 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.21 | ±9.6 |
| 10168 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.79 | ±9.6 |
| 10169 | CAG | LTE-FDD (SC-FDMA, 1 BB, 20 MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 |
| 10170 | CAG | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-FDD | 6.52 | +9.6 |
| 10171 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-FDD | 6.49 | ±9.6 |
| 10172 | CAE | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-TDD | 9.21 | ±9.6 |
| 10173 | CAE | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-TDD | 9.48 | ±9.6 |
| 10174 | CAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6 |
| 10175 | CAF | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-FDD | 5.72 | ±9.6 |
| 10176 | CAF | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.6 |
| 10177 | CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 |
| 10178 | CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.6 |
| 10179 | AAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-FDD | 6.50 | ±9.6 |
| 10180 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-FDD | 6.50 | |
| 10181 | CAG | LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK) | LTE-FDD | 5,72 | ±9.6 |
| 10182 | CAG | LTE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.6 |
| 10183 | CAG | LTE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.6 |
| 10184 | CAG | LTE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK) | LTE-FDD | | ±9.6 |
| 10185 | CAI | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-FDD | 5.73 | ±9.6 ±9.6 |
| 10186 | CAG | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-FDD | 6.50 | |
| 10187 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1,4 MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 |
| 10188 | CAG | | | | ±9.6 |
| 10189 | CAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.52 | ±9.6 |
| 10193 | CAE | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) | WLAN | 6.50 | ±9.6 |
| 0194 | AAD | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | WLAN | 8.09 | ±9.6 |
| 0194 | CAE | IEEE 802.11n (HT Greenfield, 39 Mbps, 18-QAM) | | 8.12 | ±9.6 |
| 0196 | CAE | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) | WLAN | 8.21 | ±9.6 |
| 10196 | AAE | | WLAN | 8.10 | ±9.6 |
| | | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | WLAN | 8.13 | ±9.6 |
| 0198 | CAF | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) | WLAN | 8.27 | ±9.6 |
| 10219 | CAF | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN | 8.03 | ±9.6 |
| 10220 | AAF | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | WLAN | 8.13 | ±9.6 |
| 0221 | CAC | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) | WLAN | 8.27 | ±9.6 |
| 0222 | CAC | 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) | Unc ^E k = |
|-------|-----|--|----------|---|----------------------|
| 10225 | CAD | UMTS-FDD (HSPA+) | WCDMA | 5.97 | ±9.6 |
| 10226 | CAD | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.49 | ±9.6 |
| 10227 | GAD | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.26 | ±9.6 |
| 10228 | CAD | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TDD | 9.22 | ±9.6 |
| 10229 | DAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-TOD | 9.48 | ±9.6 |
| 10230 | CAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-TDD | 10.25 | +9.6 |
| 10231 | CAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-TDD | 9.19 | +9.6 |
| 10232 | CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-TDD | 9.48 | ±9.6 |
| 10233 | CAD | LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6 |
| 10234 | CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-TDD | 9.21 | ±9.6 |
| 10235 | CAD | LTE-TDD (SC-FDMA, 1 RB, 10MHz, 16-QAM) | LTE-TDD | 9.48 | ±9.6 |
| 10236 | GAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6 |
| 10237 | CAD | LTE-TDD (SC-FDMA, 1 RB, 10MHz, OPSK) | LTE-TDD | 9.21 | ±9.6 |
| 10238 | CAB | LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM) | LTE-TDD | 9.48 | +9.6 |
| 10239 | CAB | LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM) | | and the second se | |
| 10239 | CAB | | LTE-TDD | 10.25 | ±9.6 |
| | | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-TDD | 9.21 | ±9.6 |
| 0241 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.82 | ±9.6 |
| 10242 | CAD | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 9.86 | ±9.6 |
| 0243 | CAD | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.46 | ±9.6 |
| 0244 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-TDD | 10.06 | ±9.6 |
| 0245 | CAG | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-TDD | 10.06 | ±9.6 |
| 0246 | CAG | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-TDD | 9.30 | ±9.6 |
| 0247 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.91 | ±9.6 |
| 0248 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.09 | ±9.6 |
| 0249 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-TDD | 9.29 | ±9.6 |
| 0250 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.81 | ±9.6 |
| 0251 | CAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.17 | ±9,6 |
| 0252 | CAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TDD | 9.24 | ±9.6 |
| 0253 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-TDD | 9.90 | ±9.6 |
| 0254 | CAB | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.14 | ±9.6 |
| 0255 | CAB | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-TDD | 9.20 | ±9.6 |
| 0256 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1,4 MHz, 16-QAM) | LTE-TDD | 9.96 | ±9.6 |
| 0257 | CAD | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.08 | ±9.6 |
| 0258 | CAD | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.34 | ±9.6 |
| 0259 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-TDD | 9.98 | +9.6 |
| 0260 | CAG | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-TDD | 9.97 | ±9.6 |
| 0261 | CAG | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-TDD | 9.24 | ±9.6 |
| 0262 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.83 | ±9.6 |
| 0263 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.16 | |
| 0264 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | | | ±9.6 |
| 0265 | CAG | | LTE-TDD | 9.23 | ±9.6 |
| 0265 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.92 | ±9.6 |
| | | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.07 | ±9.6 |
| 0267 | CAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-TDD | 9.30 | ±9.6 |
| 0268 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-TDD | 10.06 | ±9.6 |
| 0269 | CAB | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.13 | ±9.6 |
| 0270 | CAB | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-TDD | 9.58 | ±9.6 |
| 0274 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) | WCDMA | 4.87 | ±9.6 |
| 0275 | CAD | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | WCDMA | 3.96 | ±9.6 |
| 0277 | CAD | PHS (QPSK) | PHS | 11.81 | ±9.6 |
| 0278 | CAD | PHS (QPSK, BW 884 MHz, Rolloff 0.5) | PHS | 11.81 | ±9.6 |
| 0279 | CAG | PHS (QPSK, BW 884 MHz, Rolloff 0.38) | PHS | 12.18 | ±9.6 |
| 0290 | CAG | CDMA2000, RC1, SO55, Full Rate | CDMA2000 | 3.91 | ±9.6 |
| 0291 | CAG | CDMA2000, RC3, SO55, Full Rate | CDMA2000 | 3.46 | ±9.6 |
| 0292 | CAG | CDMA2000, RC3, SO32, Full Rate | CDMA2000 | 3.39 | ±9.6 |
| 0293 | CAG | CDMA2000, RC3, SO3, Full Rate | CDMA2000 | 3.50 | ±9.6 |
| 0295 | CAG | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | CDMA2000 | 12.49 | ±9.6 |
| 0297 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-FDD | 5.81 | +9.6 |
| 0298 | CAF | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-FDD | 5.72 | ±9.6 |
| 0299 | CAF | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.39 | ±9.6 |
| 0300 | CAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.6 |
| 0301 | CAC | IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) | WIMAX | 12.03 | ±9.6 |
| 0302 | CAB | IEEE 802.168 WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3CTRL) | | | |
| 0302 | CAB | IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, POSC, 3CTHL) IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) | WIMAX | 12.57 | ±9.6 |
| | | | WIMAX | 12.52 | ±9.6 |
| 0304 | CAA | IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) | WIMAX | 11.86 | ±9.6 |
| 0305 | CAA | IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC) | WiMAX | 15.24 | ±9.6 |
| | CAA | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC) | WIMAX | 14.67 | ±9.6 |

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| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|-------|-----|--|----------------------|----------|----------------------|
| 10307 | AAB | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC) | WIMAX | 14,49 | ±9.6 |
| 10308 | AAB | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC) | WIMAX | 14.46 | ±9.6 |
| 10309 | AAB | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3) | WIMAX | 14.58 | ±9.6 |
| 10310 | AAB | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3 | WiMAX | 14.57 | ±9.6 |
| 10311 | AAB | LTE-FDD (SC-FDMA, 100% RB, 15MHz, QPSK) | LTE-FDD | 6.06 | ±9.6 |
| 10313 | AAD | IDEN 1:3 | IDEN | 10.51 | ±9.6 |
| 10314 | AAD | IDEN 1:6 | IDEN | 13.48 | +9.6 |
| 10315 | AAD | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc) | WLAN | 1.71 | ±9.6 |
| 10316 | AAD | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ±9.6 |
| 10317 | AAA | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ±9.6 |
| 10352 | AAA | Pulse Waveform (200 Hz, 10%) | Generic | 10.00 | ±9.6 |
| 10353 | AAA | Pulse Waveform (200 Hz, 20%) | Generic | 6.99 | +9.6 |
| 10354 | AAA | Pulse Waveform (200 Hz, 40%) | Generic | 3.98 | +9.6 |
| 10355 | AAA | Pulse Waveform (200 Hz, 60%) | Generic | 2.22 | ±9.6 |
| 10356 | AAA | Pulse Waveform (200 Hz, 80%) | Generic | 0.97 | ±9.6 |
| 10387 | AAA | QPSK Waveform, 1 MHz | Generic | 5.10 | ±9.6 |
| 10388 | AAA | OPSK Waveform, 10 MHz | Generic | 5.22 | +9.6 |
| 10396 | AAA | 64-QAM Waveform, 100 kHz | Generic | 6.27 | ±9.6 |
| 10399 | AAA | 64-QAM Waveform, 40 MHz | Generic | 6.27 | ±9.6 |
| 10400 | AAD | IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc dc) | WLAN | 8.37 | ±9.6 |
| 10401 | AAA | IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc dc) | WLAN | 8.60 | ±9.6 |
| 10402 | AAA | IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc dc) | WLAN | 8.53 | ±9.6 |
| 10402 | AAB | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.76 | |
| 10403 | AAB | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 CDMA2000 | 3.76 | ±9.6 |
| 10404 | AAD | CDMA2000 (1x2V-DO, Rev. A) CDMA2000, RC3, SO32, SCH0, Full Rate | CDMA2000 CDMA2000 | 5.22 | ±9.6 |
| 10410 | AAA | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, OPSK, UL Sub=2.3,4,7,8,9) | | | ±9.6 |
| 10414 | AAA | 1 | LTE-TDD | 7.82 | ±9.6 |
| 10414 | AAA | WLAN CCDF, 64-QAM, 40 MHz IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc) | Generic | 8.54 | ±9.6 |
| 10416 | AAA | | WLAN | 1.54 | ±9.6 |
| 10415 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ±9.6 |
| 10417 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ±9.6 |
| 10419 | | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long) | WLAN | 8.14 | ±9.6 |
| | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) | WLAN | 8.19 | ±9.6 |
| 10422 | AAA | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | ±9.6 |
| 10423 | AAA | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 18-QAM) | WLAN | 8.47 | ±9.6 |
| 10424 | AAE | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | WLAN | 8.40 | ±9.6 |
| | AAE | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | WLAN | 8.41 | ±9.6 |
| 10426 | AAE | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) | WLAN | 8.45 | ±9.6 |
| 10427 | AAB | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) | WLAN | 8.41 | ±9.6 |
| 10430 | AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | LTE-FDD | 8.28 | ±9.6 |
| 0431 | AAC | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | LTE-FDD | 8.38 | ±9.6 |
| 10432 | AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ±9.6 |
| 0433 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ±9.6 |
| 0434 | AAG | W-CDMA (BS Test Model 1, 64 DPCH) | WCDMA | 8.60 | ±9.6 |
| 0435 | AAA | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9,6 |
| 10447 | AAA | LTE-FDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.56 | ±9.6 |
| 0448 | AAA | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | LTE-FDD | 7.53 | ±9.6 |
| 0449 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | LTE-FDD | 7.51 | ±9.6 |
| 0450 | AAA | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.48 | ±9.6 |
| 0451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7.59 | ±9.6 |
| 0453 | AAC | Validation (Square, 10 ms, 1 ms) | Test | 10.00 | ±9.6 |
| 0456 | AAC | IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc dc) | WLAN | 8.63 | ±9.6 |
| 0457 | AAC | UMTS-FDD (DC-HSDPA) | WCDMA | 6.62 | ±9.6 |
| 0458 | AAC | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | CDMA2000 | 6.55 | ±9.6 |
| 0459 | AAC | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | CDMA2000 | 8.25 | ±9.6 |
| 0460 | AAC | UMTS-FDD (WCDMA, AMR) | WCDMA | 2.39 | ±9.6 |
| 0461 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9.6 |
| 0462 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.30 | ±9.6 |
| 0463 | AAD | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ±9.6 |
| 0464 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9.6 |
| 0465 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ±9.6 |
| 0466 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ±9,6 |
| 0467 | AAA | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9.6 |
| 0468 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ±9.6 |
| 0469 | AAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ±9.6 |
| 0470 | AAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9.6 |
| | AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | 20.0 |

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| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|-------|-----|---|--|----------|----------------------|
| 10472 | AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ±9.6 |
| 10473 | AAA | LTE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9.6 |
| 10474 | AAC | LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ±9.6 |
| 10475 | AAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | +9.6 |
| 10477 | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub) | | | |
| | AAC | | LTE-TDD | 8.32 | ±9.6 |
| 10478 | | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ±9.6 |
| 10479 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7,74 | ±9.6 |
| 10480 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.18 | ±9,6 |
| 10481 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ±9.6 |
| 10482 | AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7,71 | ±9,6 |
| 10483 | AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub) | LTE-TDD | 8.39 | ±9.6 |
| 10484 | AAB | LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM, UL Sub) | LTE-TDD | 8.47 | ±9.6 |
| 10485 | AAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.59 | ±9.6 |
| 10486 | AAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.38 | ±9.6 |
| 10487 | AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.60 | ±9.6 |
| 10488 | AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.70 | ±9.6 |
| 10489 | AAC | | | | |
| _ | | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ±9.6 |
| 10490 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ±9.6 |
| 10491 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ±9.6 |
| 10492 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.41 | ±9.6 |
| 10493 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ±9.6 |
| 10494 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ±9.6 |
| 10495 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.37 | ±9.6 |
| 10496 | AAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ±9.6 |
| 10497 | AAE | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | ±9.6 |
| 10498 | AAE | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.40 | |
| 10499 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | | ±9.6 |
| 10500 | AAF | | and the second sec | 8.68 | ±9.6 |
| | - | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | ±9.6 |
| 10501 | AAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8,44 | ±9.6 |
| 10502 | AAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.52 | ±9.6 |
| 10503 | AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.72 | ±9.6 |
| 10504 | AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ±9.6 |
| 10505 | AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ±9.6 |
| 10506 | AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ±9.6 |
| 10507 | AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.36 | ±9.6 |
| 10508 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ±9.6 |
| 10509 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.99 | ±9.6 |
| 10510 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.49 | ±9.6 |
| 10511 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM, UL Sub) | LTE-TDD | | |
| 10512 | AAF | | and the second se | 8.51 | ±9.6 |
| | | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ±9.6 |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.42 | ±9.6 |
| 10514 | AAE | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ±9.6 |
| 10515 | AAE | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc) | WLAN | 1,58 | ±9.6 |
| 0516 | AAE | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) | WLAN | 1.57 | ±9.6 |
| 0517 | AAF | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc) | WLAN | 1.58 | ±9.6 |
| 0518 | AAF | IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 99pc dc) | WLAN | 8.23 | ±9.6 |
| 0519 | AAF | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc) | WLAN | 8.39 | ±9.6 |
| 0520 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc) | WLAN | 8.12 | ±9.6 |
| 0521 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc) | WLAN | 7.97 | ±9.6 |
| 0522 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) | WLAN | 8.45 | |
| 0523 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 38 Mbps, 99pc dc) | | | ±9.6 |
| 0523 | AAC | | WLAN | 8.08 | ±9.6 |
| | | IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) | WLAN | 8.27 | ±9.6 |
| 0525 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc dc) | WLAN | 8.36 | ±9.6 |
| 0526 | AAF | IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc dc) | WLAN | 8.42 | ±9.6 |
| 0527 | AAF | IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc dc) | WLAN | 8.21 | ±9.6 |
| 0528 | AAF | IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc dc) | WLAN | 8.36 | ±9.6 |
| 0529 | AAF | IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc dc) | WLAN | 8.36 | ±9.6 |
| 0531 | AAF | IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc dc) | WLAN | 8.43 | ±9.6 |
| 0532 | AAF | IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc dc) | WLAN | 8.29 | ±9.6 |
| 0533 | AAE | IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc dc) | WLAN | 8.38 | ±9.6 |
| 0534 | AAE | IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc dc) | WLAN | 8.45 | |
| 0535 | AAE | IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc dc) | and the second se | | ±9.6 |
| 0536 | AAF | | WLAN | 8.45 | ±9.6 |
| _ | | IEEE 802.11ac WIFI (40 MHz, MCS2, 99pc dc) | WLAN | 8.32 | ±9.6 |
| 0537 | AAF | IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc dc) | WLAN | 8,44 | ±9.6 |
| 0538 | AAF | IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc dc) | WLAN | 8.54 | ±9.6 |
| 0540 | AAA | IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc dc) | WLAN | 8.39 | ±9.6 |

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| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|-----------------------|-----|---|---|---|----------------------|
| 10541 | AAA | IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc dc) | WLAN | 8.46 | ±9.6 |
| 10542 | AAA | IEEE 802.11 ac WiFI (40 MHz, MCS8, 99pc dc) | WLAN | 8.65 | ±9.6 |
| 10543 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc dc) | WLAN | 8.65 | ±9.6 |
| 10544 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc dc) | WLAN | 8.47 | ±9.6 |
| 10545 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc dc) | WLAN | 8.55 | ±9.6 |
| 10546 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc dc) | WLAN | 8.35 | ±9.6 |
| 10547 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc dc) | WLAN | 8.49 | ±9.6 |
| 10548 | AAC | IEEE 802.11ac WIFI (80 MHz, MCS4, 99pc dc) | WLAN | 8.37 | ±9.6 |
| 10550 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc dc) | WLAN | 8.38 | ±9.6 |
| 10551 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc dc) | WLAN | 8.50 | ±9.6 |
| 10552 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc dc) | WLAN | 8.42 | ±9.6 |
| 10553 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc dc) | WLAN | 8.45 | ±9.6 |
| 10554 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc dc) | WLAN | 8.48 | ±9.6 |
| 10555 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc dc) | WLAN | 8.47 | ±9.6 |
| 10556 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc dc) | WLAN | 8.50 | ±9.6 |
| 10557 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc dc) | WLAN | 8.52 | ±9.6 |
| 10558 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc dc) | WLAN | 8.61 | ±9.6 |
| 10560 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc dc) | WLAN | 8.73 | |
| 10561 | AAC | | and the second second second | and the second se | ±9.6 |
| 10562 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc dc) | WLAN | 8.56 | ±9.6 |
| | | IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc dc) | WLAN | 8.69 | ±9.6 |
| 10563 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc dc) | WLAN | 8.77 | ±9.6 |
| 10564 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) | WLAN | 8.25 | ±9.6 |
| 10565 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) | WLAN | 8.45 | ±9.6 |
| 10566 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) | WLAN | 8.13 | ±9.6 |
| 10567 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) | WLAN | 8.00 | ±9.6 |
| 10568 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) | WLAN | 8.37 | ±9.6 |
| 10569 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) | WLAN | 8.10 | ±9.6 |
| 10570 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) | WLAN | 8.30 | ±9.6 |
| 10571 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) | WLAN | 1.99 | ±9.6 |
| 10572 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) | WLAN | 1.99 | ±9.6 |
| 10573 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) | WLAN | 1.98 | ±9.6 |
| 10574 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc) | WLAN | 1.98 | ±9.6 |
| 10575 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | ±9.6 |
| 10576 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | ±9.6 |
| 10577 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ±9.6 |
| 10578 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ±9.6 |
| 10579 | AAD | JEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) | WLAN | 8.36 | ±9.6 |
| 10580 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ±9.6 |
| 10581 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) | WLAN | 8.35 | ±9.6 |
| 10582 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) | WLAN | 8.67 | ±9.6 |
| 10583 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | ±9.6 |
| 10584 | AAD | IEEE 802.11 a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | +9.6 |
| 10585 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ±9.6 |
| 10586 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ±9.6 |
| 10587 | AAA | IEEE 802.11a/h WiFI 5 GHz (OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | |
| 10588 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ±9.6 |
| 10589 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) | WLAN | | ±9.6 |
| 0590 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) | the second se | 8.35 | ±9.6 |
| 0590 | AAA | | WLAN | 8.67 | ±9.6 |
| 0591 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc dc) | WLAN | 8.63 | ±9.6 |
| and the second second | | IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc dc) | WLAN | 8.79 | ±9.6 |
| 0593 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc dc) | WLAN | 8.64 | ±9.6 |
| 0594 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc dc) | WLAN | 8.74 | ±9.6 |
| 0595 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc dc) | WLAN | 8.74 | ±9.6 |
| 0596 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc dc) | WLAN | 8.71 | ±9.6 |
| 0597 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc dc) | WLAN | 8.72 | ±9.6 |
| 0598 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc dc) | WLAN | 8.50 | ±9.6 |
| 0599 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc dc) | WLAN | 8.79 | ±9.6 |
| 0600 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc dc) | WLAN | 8.88 | ±9.6 |
| 0601 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc dc) | WLAN | 8.82 | ±9.6 |
| 0602 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc dc) | WLAN | 8.94 | ±9.6 |
| 0603 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc dc) | WLAN | 9.03 | ±9.6 |
| 0604 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc dc) | WLAN | 8.76 | ±9.6 |
| 0605 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc dc) | WLAN | 8.97 | ±9.6 |
| 0606 | AAC | IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc dc) | WLAN | 8.82 | ±9.6 |
| 0607 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc dc) | WLAN | 8.64 | ±9.6 |
| | AAC | IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc dc) | WLAN | 8.77 | ±9.6 |

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| UID | Rev | Communication System Name | Group | PAR (dB) | $Unc^E k =$ |
|----------------------------------|--|---|-----------|----------|--------------|
| 10609 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc dc) | WLAN | 8.57 | ±9.6 |
| 10610 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc dc) | WLAN | 8.78 | ±9.6 |
| 10611 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc dc) | WLAN | 8.70 | ±9,6 |
| 10612 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc do) | WLAN | 8.77 | ±9.6 |
| 10613 | AAC | IEEE 802.11ac WiFI (20 MHz, MCS6, 90pc dc) | WLAN | 8.94 | ±9.6 |
| 10614 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc dc) | WLAN | 8.59 | ±9.6 |
| 10615 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc dc) | WLAN | 8.82 | ±9.6 |
| 10616 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc dc) | WLAN | 8.82 | ±9.6 |
| 10617 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc dc) | WLAN | 8.81 | ±9.6 |
| 10618 | AAC | IEEE 802.11ac WIFI (40 MHz, MCS2, 90pc dc) | WLAN | 8.58 | ±9.6 |
| 10619 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc dc) | WLAN | 8.86 | ±9.6 |
| 10620 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc dc) | WLAN | 8.87 | ±9.6 |
| 10621 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc dc) | WLAN | 8.77 | ±9.6 |
| 10622 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc dc) | WLAN | 8.68 | ±9.6 |
| 10623 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc dc) | WLAN | 8.82 | ±9.6 |
| 10624 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc dc) | WLAN | | |
| 10625 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS8, 900c dc) | | 8.96 | ±9.6 |
| | AAC | | WLAN | 8.96 | ±9.6 |
| 10626 | the state of the s | IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc dc) | WLAN | 8.83 | ±9.6 |
| 10627 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc dc) | WLAN | 8.88 | ±9.6 |
| 10628 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc dc) | WLAN | 8.71 | ±9.6 |
| 10629 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc dc) | WLAN | 8.85 | ±9.6 |
| 10630 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc dc) | WLAN | 8.72 | ±9.6 |
| 10631 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc dc) | WLAN | 8.81 | ±9.6 |
| 10632 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc dc) | WLAN | 8.74 | ±9.6 |
| 10633 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc dc) | WLAN | 8.83 | ±9.6 |
| 10634 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc dc) | WLAN | 8.80 | ±9.6 |
| 10635 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc dc) | WLAN | 8.81 | ±9.6 |
| 10636 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc dc) | WLAN | 8.83 | ±9.6 |
| 10637 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc dc) | WLAN | 8.79 | ±9.6 |
| 10638 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc dc) | WLAN | 8.86 | ±9.6 |
| 10639 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc dc) | WLAN | 8.85 | ±9.6 |
| 10640 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc dc) | WLAN | 8.98 | ±9.6 |
| 10641 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc dc) | WLAN | 9.06 | ±9.6 |
| 10642 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc dc) | WLAN | 9.06 | ±9.6 |
| 10643 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc dc) | WLAN | 8.89 | ±9.6 |
| 10644 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc dc) | WLAN | 9.05 | ±9.6 |
| 10645 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc) | WLAN | 9.11 | ±9.6 |
| 10646 | AAC | LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ±9.6 |
| 10647 | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ±9.6 |
| 10648 | AAC | CDMA2000 (1x Advanced) | CDMA2000 | 3.45 | ±9.6 |
| 10652 | AAC | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.91 | ±9.6 |
| 10653 | AAC | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.42 | ±9.6 |
| 10654 | AAC | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.96 | |
| 10655 | AAC | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | | ±9.6 |
| 10658 | AAC | Pulse Waveform (200 Hz, 10%) | | 7.21 | ±9.6 |
| 10659 | AAC | Pulse Waveform (200 Hz, 10%) | Test | 10.00 | ±9.6 |
| 10660 | AAC | | Test | 6.99 | ±9.6 |
| | | Pulse Waveform (200 Hz, 40%) | Test | 3.98 | ±9.6 |
| 10661 | AAC | Pulse Waveform (200 Hz, 60%) | Test | 2.22 | ±9.6 |
| 10662 | AAC | Pulse Waveform (200 Hz, 80%) | Test | 0.97 | ±9.6 |
| 10670 | AAC | Bluetooth Low Energy | Bluetooth | 2.19 | ±9.6 |
| 10671 | AAD | IEEE 802.11ax (20 MHz, MCS0, 90pc dc) | WLAN | 9.09 | ±9.6 |
| 10672 | AAD | IEEE 802.11ax (20 MHz, MCS1, 90pc dc) | WLAN | 8.57 | ±9.6 |
| 10673 | AAD | IEEE 802.11ax (20 MHz, MCS2, 90pc dc) | WLAN | 8.78 | ±9.6 |
| 10674 | AAD | IEEE 802.11ax (20 MHz, MCS3, 90pc dc) | WLAN | 8.74 | ±9.6 |
| 10675 | AAD | IEEE 802.11ax (20 MHz, MCS4, 90pc dc) | WLAN | 8.90 | ±9.6 |
| 10676 | AAD | IEEE 802.11ax (20 MHz, MCS5, 90pc dc) | WLAN | 8.77 | ±9.6 |
| 10677 | AAD | IEEE 802.11ax (20 MHz, MCS6, 90pc dc) | WLAN | 8.73 | ±9.6 |
| 10678 | AAD | IEEE 802.11ax (20 MHz, MCS7, 90pc dc) | WLAN | 8.78 | ±9.6 |
| 10679 | AAD | IEEE 802.11ax (20 MHz, MCS8, 90pc dc) | WLAN | 8.89 | ±9.6 |
| 10680 | AAD | IEEE 802.11ax (20 MHz, MCS9, 90pc dc) | WLAN | 8.80 | ±9.6 |
| 10681 | AAG | IEEE 802.11ax (20 MHz, MCS10, 90pc dc) | WLAN | 8.62 | ±9.6 |
| 10001 | AAF | IEEE 802.11ax (20 MHz, MCS11, 90pc dc) | WLAN | 8.83 | ±9.6 |
| | | | WLAN | 8.42 | ±9.6 |
| 10682 | AAA | IEEE 602.118X (20 MHZ, MGSU, 99DC 00) | | | |
| 10682 10683 | AAA | IEEE 802.11ax (20 MHz, MCS0, 99pc dc) IEEE 802.11ax (20 MHz, MCS1, 99pc dc) | | | |
| 10682 10683 10684 10685 | | IEEE 802.11ax (20 MHz, MCS0, 99pc dc) IEEE 802.11ax (20 MHz, MCS1, 99pc dc) IEEE 802.11ax (20 MHz, MCS2, 99pc dc) | WLAN | 8.26 | ±9.6 ±9.6 |

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| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E $k = 2$ |
|---|-------------------|--|--------------|--------------|--------------------------|
| 10687 | AAE | IEEE 802.11ax (20 MHz, MCS4, 99pc dc) | WLAN | 8.45 | ±9.6 |
| 10688 | AAE | IEEE 802.11ax (20 MHz, MCS5, 99pc dc) | WLAN | 8.29 | ±9.6 |
| 10689 | AAD | IEEE 802.11ax (20 MHz, MCS6, 99pc dc) | WLAN | 8.55 | ±9.6 |
| 10690 | AAE | IEEE 802.11ax (20 MHz, MCS7, 99pc dc) | WLAN | 8.29 | ±9.6 |
| 10691 | AAB | IEEE 802.11ax (20 MHz, MCS8, 99pc dc) | WLAN | 8.25 | ±9.6 |
| 10692 | AAA | IEEE 802.11ax (20 MHz, MCS9, 99pc dc) | WLAN | 8.29 | ±9.6 |
| 10693 | AAA | IEEE 802.11ax (20 MHz, MCS10, 99pc dc) | WLAN | 8.25 | ±9.6 |
| 10694 | AAA | IEEE 802.11ax (20 MHz, MCS11, 99pc dc) | WLAN | 8.57 | ±9.6 |
| 10695 | AAA | IEEE 802.11ax (40 MHz, MCS0, 90pc dc) | WLAN | 8.78 | ±9.6 |
| 10696 | AAA | IEEE 802.11ax (40 MHz, MCS1, 90pc dc) | WLAN | 8.91 | ±9.6 |
| 10697 | AAA | IEEE 802.11ax (40 MHz, MCS2, 90pc dc) | WLAN | 8.61 | ±9.6 |
| 10698 | AAA | IEEE 802.11ax (40 MHz, MCS3, 90pc dc) | WLAN | 8.89 | ±9.6 |
| 10699 | AAA | IEEE 802.11ax (40 MHz, MCS4, 90pc dc) | WLAN | 8.82 | +9.6 |
| 10700 | AAA | IEEE 802.11ax (40 MHz, MCS5, 90pc dc) | WLAN | 8.73 | ±9.6 |
| 10701 | AAA | IEEE 802.11ax (40 MHz, MCS6, 90pc dc) | WLAN | 8.86 | ±9.6 |
| 10702 | AAA | IEEE 802.11ax (40 MHz, MCS7, 90pc dc) | WLAN | 8.70 | ±9.6 |
| 10703 | AAA | IEEE 802.11ax (40 MHz, MCS8, 90pc dc) | WLAN | 8.82 | ±9.6 |
| 10704 | AAA | IEEE 802.11ax (40 MHz, MCS9, 90pc dc) | WLAN | 8.56 | ±9.6 |
| 10705 | AAA | IEEE 802.11ax (40 MHz, MCS10, 90pc dc) | WLAN | 8.69 | ±9.6 |
| 10706 | AAC | IEEE 802.11ax (40 MHz, MCS11, 90pc dc) | WLAN | 8.66 | ±9.6 |
| 10707 | AAC | IEEE 802.11ax (40 MHz, MCS0, 99pc dc) | WLAN | 8.32 | ±9.6 |
| 10708 | AAC | IEEE 802.11ax (40 MHz, MCS1, 99pc dc) | WLAN | 8.55 | ±9.6 |
| 10709 | AAC | IEEE 802.11ax (40 MHz, MCS2, 99pc dc) | WLAN | 8.33 | ±9.6 |
| 10710 | AAC | IEEE 802.11ax (40 MHz, MCS3, 99pc dc) | WLAN | 8.29 | ±9.6 |
| 10711 | AAC | IEEE 802.11ax (40 MHz, MCS4, 99pc dc) | WLAN | 8.39 | ±9.6 |
| 10712 | AAC | IEEE 802.11ax (40 MHz, MCS5, 99pc dc) | WLAN | 8.67 | ±9.6 |
| 10713 | AAC | IEEE 802.11ax (40 MHz, MCS6, 99pc dc) | WLAN | 8.33 | ±9.6 |
| 10714 | AAC | IEEE 802.11ax (40 MHz, MCS7, 99pc dc) | WLAN | 8.26 | ±9.6 |
| 10715 | AAC | IEEE 802.11ax (40 MHz, MCS8, 99pc dc) | WLAN | 8.45 | ±9.6 |
| 10716 | AAC | IEEE 802.11ax (40 MHz, MCS9, 99pc dc) | WLAN | 8.30 | ±9.6 |
| 10717 | AAC | IEEE 802.11ax (40 MHz, MCS10, 99pc dc) | WLAN | 8.48 | ±9.6 |
| 10718 | AAC | IEEE 802.11ax (40 MHz, MCS11, 99pc dc) | WLAN | 8.24 | ±9.6 |
| 10719 | AAC | IEEE 802.11ax (80 MHz, MCS0, 90pc dc) | WLAN | 8.81 | ±9.6 |
| 10720 | AAC | IEEE 802.11ax (80 MHz, MCS1, 90pc dc) | WLAN | 8.87 | ±9.6 |
| 10721 | AAC | IEEE 802.11ax (80 MHz, MCS2, 90pc dc) | WLAN | 8.76 | ±9.6 |
| 10722 | AAC | IEEE 802.11ax (80 MHz, MCS3, 90pc dc) | WLAN | 8.55 | ±9.6 |
| 10723 | AAC | IEEE 802.11ax (80 MHz, MCS4, 90pc dc) | WLAN | 8.70 | ±9.6 |
| 10724 | AAC | IEEE 802.11ax (80 MHz, MCS5, 90pc dc) | WLAN | 8.90 | ±9.6 |
| 10725 | AAC | IEEE 802.11ax (80 MHz, MCS6, 90pc dc) | WLAN | 8.74 | ±9.6 |
| 10726 | AAC | IEEE 802.11ax (80 MHz, MCS7, 90pc dc) | WLAN | 8.72 | ±9.6 |
| 10727 | AAC | IEEE 802.11ax (80 MHz, MCS8, 90pc dc) | WLAN | 8.66 | ±9.6 |
| 10728 | AAC | IEEE 802.11ax (80 MHz, MCS9, 90pc dc) | WLAN | 8.65 | ±9.6 |
| 10729 | AAC | IEEE 802.11ax (80 MHz, MCS10, 90pc dc) | WLAN | 8.64 | ±9.6 |
| 10730 | AAC | IEEE 802.11ax (80 MHz, MCS11, 90pc dc) | WLAN | 8.67 | ±9.6 |
| 10731 | AAC | IEEE 802.11ax (80 MHz, MCS0, 99pc dc) | WLAN | 8.42 | ±9.6 |
| 10732 | AAC | IEEE 802.11ax (80 MHz, MCS1, 99pc dc) | WLAN | 8.46 | ±9.6 |
| 10733 | AAC | IEEE 802.11ax (80 MHz, MCS2, 99pc dc) | WLAN | 8.40 | ±9.6 |
| 10734 | AAC | IEEE 802.11ax (80 MHz, MCS3, 99pc dc) | WLAN | 8.25 | ±9.6 |
| 10735 | AAC | IEEE 802.11ax (80 MHz, MCS4, 99pc dc) | WLAN | 8.33 | ±9.6 |
| 10736 | AAC | IEEE 802.11ax (80 MHz, MCS5, 99pc dc) | WLAN | 8.27 | ±9.6 |
| 10737 | AAC | IEEE 802.11ax (80 MHz, MCS6, 99pc dc) | WLAN | 8.36 | ±9.6 |
| 10738 | AAC | IEEE 802.11ax (80 MHz, MCS7, 99pc dc) | WLAN | 8.42 | ±9.6 |
| 10739 | AAC | IEEE 802.11ax (80 MHz, MCS8, 99pc dc) | WLAN | 8.29 | ±9.6 |
| 10740 | AAC | IEEE 802.11ax (80 MHz, MCS9, 99pc dc) | WLAN | 8.48 | ±9.6 |
| 10741 | AAC | IEEE 802.11ax (80 MHz, MCS10, 99pc dc) | WLAN | 8.40 | ±9.6 |
| 10742 | AAC | IEEE 802.11ax (80 MHz, MCS11, 99pc dc) | WLAN | 8.43 | ±9.6 |
| 10743 | AAC | IEEE 802.11ax (160 MHz, MCS0, 90pc dc) | WLAN | 8.94 | ±9.6 |
| | AAC | IEEE 802.11ax (160 MHz, MCS1, 90pc dc) | WLAN | 9.16 | ±9.6 |
| 10744 | AAC | IEEE 802.11ax (160 MHz, MCS2, 90pc dc) | WLAN | 8.93 | ±9.6 |
| 10744 10745 | | IEEE 802.11ax (160 MHz, MCS3, 90pc dc) | WLAN | 9.11 | ±9.6 |
| | AAC | | | 0.11 | |
| 10745 | AAC AAC | IEEE 802.11ax (160 MHz, MCS4, 90pc dc) | WLAN | 9.04 | +9.6 |
| 10745 10746 | | IEEE 802.11ax (160 MHz, MCS4, 90pc dc) IEEE 802.11ax (160 MHz, MCS5, 90pc dc) | WLAN | 9.04 | ±9.6 |
| 10745 10746 10747 10748 | AAC AAC | IEEE 802.11ax (160 MHz, MCS5, 90pc dc) | WLAN | 8.93 | ±9.6 |
| 10745 10746 10747 10748 10749 | AAC AAC AAC | IEEE 802.11ax (160 MHz, MCS5, 90pc dc) IEEE 802.11ax (160 MHz, MCS6, 90pc dc) | WLAN WLAN | 8.93 8.90 | ±9.6 ±9.6 |
| 10745 10746 10747 10748 | AAC AAC | IEEE 802.11ax (160 MHz, MCS5, 90pc dc) | WLAN | 8.93 | ±9.6 |

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| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|---------------------------|-------------------|--|---|--|----------------------|
| 10753 | AAC | IEEE 802.11ax (160 MHz, MCS10, 90pc dc) | WLAN | 9.00 | ±9.6 |
| 10754 | AAC | IEEE 802.11ax (160 MHz, MCS11, 90pc dc) | WLAN | 8.94 | ±9.6 |
| 10755 | AAC | IEEE 802.11ax (160 MHz, MCS0, 99pc dc) | WLAN | 8.64 | ±9.6 |
| 10756 | AAC | IEEE 802.11ax (160 MHz, MCS1, 99pc dc) | WLAN | 8.77 | ±9.6 |
| 10757 | AAC | IEEE 802.11ax (160 MHz, MCS2, 99pc dc) | WLAN | 8.77 | ±9.6 |
| 10758 | AAC | IEEE 802.11ax (160 MHz, MCS3, 99pc dc) | WLAN | 8.69 | ±9.6 |
| 10759 | AAC | IEEE 802.11ax (160 MHz, MCS4, 99pc dc) | WLAN | 8.58 | ±9.6 |
| 10760 | AAC | IEEE 802.11ax (160 MHz, MCS5, 99pc dc) | WLAN | 8.49 | ±9.6 |
| 10761 | AAC | IEEE 802.11ax (160 MHz, MCS6, 99pc dc) | WLAN | 8.58 | ±9.6 |
| 10762 | AAC | IEEE 802.11ax (160 MHz, MCS7, 99pc dc) | WLAN | 8.49 | +9.6 |
| 10763 | AAC | IEEE 802.11ax (160 MHz, MCS8, 99pc dc) | WLAN | 8.53 | ±9.6 |
| 10764 | AAC | IEEE 802.11ax (160 MHz, MCS9, 99pc dc) | WLAN | 8.54 | ±9.6 |
| 10765 | AAC | JEEE 802.11ax (160 MHz. MCS10, 99pc dc) | WLAN | 8.54 | ±9.6 |
| 10766 | AAC | IEEE 802.11ax (160 MHz, MCS11, 99pc dc) | WLAN | 8.51 | ±9.6 |
| 10767 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 7.99 | ±9.6 |
| 10768 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ±9.6 |
| 10769 | AAC | 5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ±9,6 |
| 10770 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ±9.6 |
| 10771 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ±9.6 |
| 10772 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.23 | ±9.6 |
| 10773 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.03 | ±9.6 |
| 10774 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ±9.6 |
| 10775 | AAC | 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 |
| 10777 | AAC | 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 |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.42 | ±9.6 |
| 10780 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.38 | ±9.6 |
| 10781 | AAC | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.38 | ±9.6 |
| 10782 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.43 | ±9.6 |
| 10783 | AAC | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 | ±9.6 |
| 10784 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.29 | ±9.6 |
| 10785 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.40 | ±9.6 |
| 10786 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.35 | ±9.6 |
| 10787 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.44 | ±9.6 |
| 10788 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ±9.6 |
| 0789 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.37 | ±9.6 |
| 10790 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ±9.6 |
| 10791 | AAC | 5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.83 | ±9.6 |
| 10792 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.92 | ±9.6 |
| 10793 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.95 | ±9.6 |
| 0794 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ±9.6 |
| 0796 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.84 | ±9.6 |
| 10796 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ±9.6 |
| ALC 10 1000 1110 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.01 | ±9.6 |
| 0798 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD 5G NR FR1 TDD | 7.89 | ±9.6 |
| 0801 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | ±9.6 |
| 10802 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 KHz) 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ±9.6 |
| 0802 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.87 | ±9.6 |
| 0805 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 KHz) 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | the second se | 7.93 | ±9.6 |
| 0806 | AAD | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD 5G NR FR1 TDD | 8.34 | ±9.6 |
| 0809 | AAD | | 5G NR FR1 TDD | 8.37 | ±9.6 |
| 0810 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | the second se | 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 5G NR FR1 TDD | 8.34 8.35 | ±9.6 |
| 0817 | AAD | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 KHz) | 5G NR FR1 TDD | 8.35 | ±9.6 |
| 0818 | AAD | 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, 15 MHz, QPSK, 30 KHz) | 5G NR FR1 TDD | 8.34 | ±9.6 |
| 0820 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | | 8.33 | |
| 0821 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | | ±9.6 |
| 0822 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD 5G NR FR1 TDD | 8.41 | ±9.6 |
| AAAAA | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ±9.6 |
| 0823 | _ | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.36 | ±9.6 |
| 0823 | AAD | | 1 DIS NICERT 100 | 8.39 | ±9.6 |
| 0824 | AAD | | | the second s | |
| Contraction in the second | AAD AAD AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD 5G NR FR1 TDD | 8.41 8.42 | ±9.6 ±9.6 |

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| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|-------|-----|---|---------------|----------|----------------------|
| 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 | AAE | 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) | | | |
| 10858 | AAD | | 5G NR FR1 TDD | 8.35 | ±9.6 |
| 10859 | 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, OPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ±9.6 |
| 10863 | | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.40 | ±9.6 |
| | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ±9.6 |
| 10864 | AAE | 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 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ±9.6 |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.86 | ±9.6 |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 5.75 | ±9.6 |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52 | ±9.6 |
| 10873 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ±9.6 |
| 10874 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ±9.6 |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ±9.6 |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.39 | ±9.6 |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 7.95 | ±9.6 |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ±9.6 |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.12 | ±9.6 |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.38 | ±9.6 |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ±9.6 |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.96 | ±9.6 |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.57 | ±9.6 |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.53 | ±9.6 |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ±9.6 |
| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ±9.6 |
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ±9.6 |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.35 | ±9.6 |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.02 | ±9.6 |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.40 | ±9.6 |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.13 | ±9.6 |
| 0892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ±9.6 |
| 0897 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.66 | ±9.6 |
| 10898 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | +9.6 |
| 10899 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ±9.6 |
| 10900 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 |
| 0901 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 |
| 10902 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 |
| 10903 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 |
| 10904 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 |
| 10905 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 |
| 10906 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 KHz) | | | |
| 10907 | AAD | 5G NR (DFT-s-OFDM, 1 HB, 80 MHz, QPSK, 30 KHz) 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 |
| 10907 | AAD | | 5G NR FR1 TDD | 5.78 | ±9.6 |
| | AAD | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ±9.6 |
| 0909 | | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.96 | ±9.6 |
| 10910 | AAD | 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 = |
|-----------------------|-----------------------|---|---|----------|----------------------|
| 10911 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ±9.6 |
| 10912 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6 |
| 10913 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6 |
| 10914 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.85 | ±9.6 |
| 10915 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | +9.6 |
| 10916 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | +9.6 |
| 10917 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 KHz) | 5G NR FR1 TDD | 5.94 | ±9.6 |
| 10918 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ±9.6 |
| 10919 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | |
| 10920 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 15MHz, QFSK, 30 kHz) | | | ±9.6 |
| 10921 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 KHz) | 5G NR FR1 TDD | 5.87 | ±9.6 |
| 10922 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 25MHz, OPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6 |
| 10923 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 20MHz, OPSK, 30 kHz) | 5G NR FR1 TDD 5G NR FR1 TDD | 5.82 | ±9.6 |
| 10924 | AAD | | | 5.84 | ±9.6 |
| 10925 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6 |
| | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.95 | ±9.6 |
| 10926 | | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6 |
| 10927 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ±9.6 |
| 10928 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ±9.6 |
| 10929 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ±9.6 |
| 10930 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ±9.6 |
| 10931 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ±9.6 |
| 10932 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ±9.6 |
| 10933 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ±9.6 |
| 10934 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ±9.6 |
| 10935 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ±9.6 |
| 10936 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ±9.6 |
| 10937 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.77 | ±9.6 |
| 10938 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ±9.6 |
| 10939 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.82 | ±9.6 |
| 10940 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.89 | ±9.6 |
| 10941 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ±9.6 |
| 10942 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ±9.6 |
| 10943 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.95 | ±9.6 |
| 10944 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.81 | ±9.6 |
| 10945 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ±9.6 |
| 10946 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 KHz) | 5G NR FR1 FDD | 5.83 | |
| 10947 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 KHz) | the second se | | ±9.6 |
| 10948 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ±9.6 |
| 10949 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ±9.6 |
| 10950 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ±9.6 |
| 10951 | AAB | | 5G NR FR1 FDD | 5,94 | ±9.6 |
| and the second second | AAB | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.92 | ±9.6 |
| 10952 | and the second second | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.25 | ±9.6 |
| 10953 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.15 | ±9.6 |
| 0954 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.23 | ±9.6 |
| 0955 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.42 | ±9.6 |
| 0956 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.14 | ±9.6 |
| 0957 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.31 | ±9.6 |
| 0958 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.61 | ±9.6 |
| 0959 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.33 | ±9.6 |
| 0960 | AAB | 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 | AAB | 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 | |
| 0973 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | | ±9.6 |
| 0974 | AAB | 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) | | 9.06 | ±9.6 |
| 0978 | AAA | | 5G NR FR1 TDD | 10.28 | ±9.6 |
| 0978 | | ULLA BDR | ULLA | 2.23 | ±9.6 |
| | AAA | ULLA HDR4 | ULLA | 7.02 | ±9.6 |
| 0980 | AAA | ULLA HDR8 | ULLA | 8.82 | ±9.6 |
| 0981 | AAA | ULLA HDRp4 | ULLA | 1,50 | ±9.6 |
| 0982 | AAA | ULLA HDRp8 | ULLA | 1.44 | ±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-OAM, 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 |

^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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