

Appendix F. – Probe Calibration Data

F-TP22-03 (Rev. 06) Page 1 of 240



Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

Accredited by the Swiss Accreditation Service (SAS)





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

Accreditation No.: SCS 0108

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

Client

HCT

Gyeonggi-do, Republic of Korea

Certificate No.

EX-3768 Aug24

Calibration precedure(s)

Calibration precedure(s)

Calibration date

Calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate. All calibrations Equipment used (M&TE critical for culibration)

| Primary Standards | ID | Cal Date (Certificate No.) | Scheduled Calibration |
|----------------------------|------------------|-----------------------------------|-----------------------|
| Power meter NRP2 | SN: 104778 | 26-Mar-24 (No. 217-04036/04037) | Mar-25 |
| Power sensor NRP-Z91 | SN: 103244 | 26-Mar-24 (No. 217-04036) | Mar-25 |
| OCP DAK-3.5 (weighted) | SN: 1249 | 05-Oct-23 (OCP-DAK3.5-1249 Oct23) | Oct-24 |
| OCP DAK-12 | SN: 1016 | 05-Oct-23 (OCP-DAK12-1018 Oct23) | Oct-24 |
| Reference 20 dB Attenuator | SN: CC2552 (20x) | 26-Mar-24 (No. 217-04046) | Mar-25 |
| DAE4 | SN: 680 | 23-Feb-24 (No. DAE4-660_Feb24) | Feb-25 |
| Reference Probe EX3DV4 | SN: 7349 | 03-Jun-24 (No. EX3-7349 Jun24) | Jun-25 |

| Secondary Standards | ID. | Check Date (in house) | Scheduled Check |
|-------------------------|--|-----------------------------------|------------------------|
| Power meter E44198 | SN: GB41293874 | 06-Apr-16 (in house check Jun-24) | In house check: Jun-26 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-24) | In house check: Jun-26 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-24) | In house check: Jun-26 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-24) | In house check: Jun-26 |
| Network Analyzer E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-22) | In house check: Oct-24 |
| | With the contract of the contr | | |

Calibrated by Jeffrey Katzman Laboratory Technician

Approved by Sven Kühn Technical Manager

Issued: August 19, 2024

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

Certificate No: EX-3768_Aug24

Page 1 of 21



Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

ilac mra



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

Glossary

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

CF crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters

Polarization \(\phi \) \(\phi \) rotation around probe axis

Polarization $\theta = \theta$ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\theta = 0$ is

normal to probe axis

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

Calibration is Performed According to the Following Standards:

- 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 θ = 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 ConvE).
- NORM(t)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 ≤ 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).

Certificate No: EX-3768_Aug24 Page 2 of 21



Parameters of Probe: EX3DV4 - SN:3768

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k = 2) |
|--|----------|----------|----------|-------------|
| Norm (µV/(V/m) ²) ^A | 0.49 | 0.51 | 0.54 | ±10.1% |
| DCP (mV) B | 108.6 | 106.4 | 108.7 | ±4.7% |

Calibration Results for Modulation Response

| UID | Communication System Name | | A dB | $dB\sqrt{\mu V}$ | С | dB | VR mV | Max dev. | Max Unc ^E k = 2 | | |
|-------|--|---|---------|------------------|-------|-------|----------|-------------|----------------------------------|---------|--|
| 0 | CW | X | 0.00 | 0.00 | 1.00 | 0.00 | 147.5 | ±1.5% | ±4.7% | | |
| | Acres 1 | Y | 0.00 | 0.00 | 1.00 | | 125.0 | | | | |
| | | Z | 0.00 | 0.00 | 1.00 | | 121.5 | | | | |
| 10352 | Pulse Waveform (200Hz, 10%) | X | 1.40 | 60.00 | 6.02 | 10.00 | 60.0 | ±2.4% | ±9.6% | | |
| | | Y | 1.69 | 61.52 | 7.11 | | 60.0 | | | | |
| | | Z | 2.00 | 62.00 | 7.00 | | 60.0 | | | | |
| 10353 | Pulse Waveform (200Hz, 20%) | X | 0.83 | 60.00 | 4.83 | 6.99 | 80.0 | ±2.4% | ±9.6% | | |
| | 100H0000000000000000000000000000000000 | Y | 0.79 | 60.00 | 5.26 | | 80.0 | CO POSCO | =15.000 | | |
| | | 2 | 0.83 | 60.00 | 4.92 | | 80.0 | | | | |
| 10354 | Pulse Waveform (200Hz, 40%) | X | 0.02 | 126,73 | 0.33 | 3.98 | 95.0 | ±2.6% | ±9.6% | | |
| | | Y | 0.00 | 121.75 | 2.06 | | 9 | 95.0 | | | |
| | | Z | 0.35 | 147.61 | 0.52 | | 95.0 | | | | |
| 10355 | Pulse Waveform (200Hz, 60%) | X | 10.01 | 159.41 | 15.35 | 2.22 | 120.0 | | ±1,5% | ±9.6% | |
| | | Y | 0.45 | 60.00 | 2.68 | | 120.0 | | | 8 | |
| | | 2 | 11,04 | 155.15 | 14.36 | | 120.0 | | | | |
| 10387 | QPSK Waveform, 1 MHz | X | 0.42 | 62.66 | 11.91 | 1.00 | 150.0 | ±4.1% | ±9.6% | | |
| | | Y | 0.53 | 61.71 | 11.00 | 150 | 150.0 | | | | |
| | | Z | 0.42 | 60.62 | 10.20 | | 150.0 | | | | |
| 10388 | QPSK Waveform, 10 MHz | X | 1.13 | 65.59 | 12.80 | 0.00 | 150.0 | ±1.3% | ±9.6% | | |
| | SOVECUPOR DEPOS DESCO | Y | 1.25 | 63.98 | 12.95 | | 150.0 | C25-41-500) | -8550-500 | | |
| | SECRETARY OF THE SECRETARY | Z | 1.11 | 63.65 | 12.20 | | 150.0 | | | | |
| 10396 | 64-QAM Waveform, 100 kHz | X | 1.74 | 65.24 | 16.15 | 3.01 | 150.0 | ±1.0% | ±9.6% | | |
| | | Y | 1.62 | 63.54 | 15.43 | | 150.0 | 211010 | | | |
| | | 2 | 1.67 | 64.05 | 15.28 | | 150.0 | | | | |
| 10399 | 64-QAM Waveform, 40 MHz | X | 2.68 | 66.69 | 15.05 | 0.00 | 150.0 | ±1.9% | ±9.6% | | |
| | | Y | 2.74 | 65.33 | 14.53 | | 150.0 | | - 77 | == XV.X | |
| | | Z | 2.64 | 65.47 | 14.39 | | 150.0 | | | | |
| 10414 | WLAN CCDF, 64-QAM, 40 MHz | X | 3.52 | 66.40 | 15.08 | 0.00 | 150.0 | ±3.4% | ±9.6% | | |
| | CONTRACTOR OF THE CONTRACTOR AND A SECOND SE | Y | 3.94 | 65.92 | 15.20 | | 150.0 | (SEC. 6000) | | | |
| | | 2 | 3.55 | 65.36 | 14.66 | | 150.0 | B 10 | | | |

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%.

Certificate No: EX-3768_Aug24

Page 3 of 21

F-TP22-03 (Rev. 06) Page 4 of 240

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

E. Linearization parameter uncertainty for maximum specified field strongth.

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



August 19, 2024

Parameters of Probe: EX3DV4 - SN:3768

Sensor Model Parameters

| | C1 fF | C2 fF | α V-1 | T1 msV ⁻² | T2 msV ⁻¹ | T3 ms | T4 V ⁻² | 75 V ⁻¹ | Т6 |
|-----|----------|----------|----------|-------------------------|-------------------------|----------|-----------------------|-----------------------|------|
| X. | 6.6 | 46.41 | 32.18 | 3,14 | 0.00 | 4.90 | 0.49 | 0.00 | 1.00 |
| y I | 11.1 | 80.10 | 33.37 | 2.61 | 0.00 | 4.93 | 0.37 | 0.00 | 1.00 |
| 2 | 8.4 | 59.77 | 32.10 | 3.80 | 0.00 | 4.90 | 0.56 | 0.00 | 1.00 |

Other Probe Parameters

| Sensor Arrangement | Triangular |
|---|------------|
| Connector Angle | 31.6* |
| 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.



Parameters of Probe: EX3DV4 - SN:3768

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 ^H (k = 2) |
|----------------------|---------------------------------------|------------------------------------|---------|---------|---------|--------------------|----------------------------|-----------------------------|
| 750 | 41.9 | 0.89 | 8.88 | 9.39 | 8.99 | 0.33 | 1,27 | ±11.0% |
| 835 | 41.5 | 0.90 | 8.52 | 9,01 | 8.62 | 0.32 | 1.27 | ±11.0% |
| 900 | 41.5 | 0.97 | 8.61 | 9.10 | 8.71 | 0.32 | 1.27 | ±11.0% |
| 1750 | 40.1 | 1.37 | 7.51 | 7.95 | 7.60 | 0.31 | 1.27 | ±11.09 |
| 1900 | 40.0 | 1.40 | 7,30 | 7.72 | 7.39 | 0.31 | 1.27 | ±11.0% |
| 2300 | 39.5 | 1.67 | 7.20 | 7,62 | 7.29 | 0.31 | 1.27 | ±11.0% |
| 2450 | 39.2 | 1.80 | 6,95 | 7,35 | 7.04 | 0.30 | 1.27 | ±11.0% |
| 2600 | 39.0 | 1.96 | 7.03 | 7.43 | 7,11 | 0.30 | 1.27 | ±11.0% |

Given 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 uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

The probes are calibrated using tissue simulating liquids (TSL) that deviations of up to ±10 MHz is 4.54 correction is applied.

Given the probes are calibrated using its sue simulating liquids (TSL) that deviations of up to ±10 MHz. Above 5 GHz correction is applied.

Given the probes are calibrated using calibration. SPEAG werearts 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 5p diameter from the boundary.

High The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 8 of IEC/IEEE 62209-1528-2020.

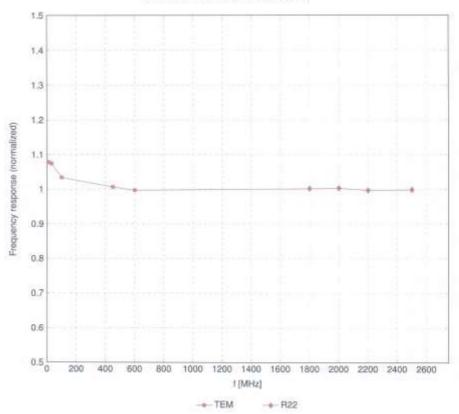
Certificate No: EX-3768 Aug24 Page 5 of 21

Table 9 of IEC/IEEE 62209-1528:2020.



Frequency Response of E-Field

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



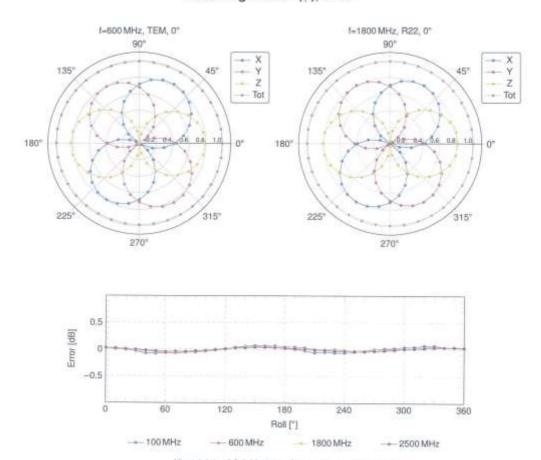
Uncertainty of Frequency Response of E-field: ±6.3% (k=2)

Certificate No: EX-3768_Aug24 Page 6 of 21

F-TP22-03 (Rev. 06) Page 7 of 240



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



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

Certificate No: EX-3768_Aug24 Page 7 of 21

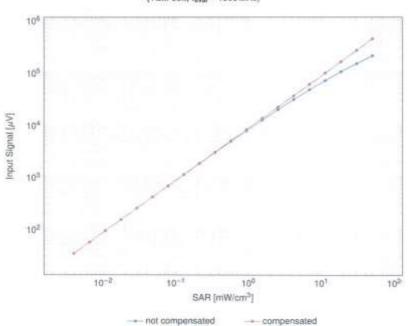
F-TP22-03 (Rev. 06) Page 8 of 240

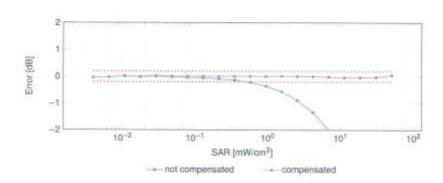


August 19, 2024

Dynamic Range f(SAR_{head})

(TEM cell, f_{eval} = 1900 MHz)





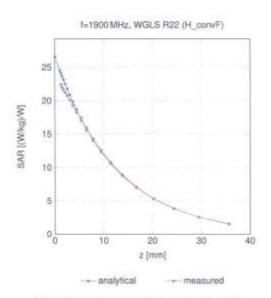
Uncertainty of Linearity Assessment: ±0.6% (k=2)

Certificate No: EX-3768_Aug24

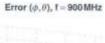
Page 8 of 21

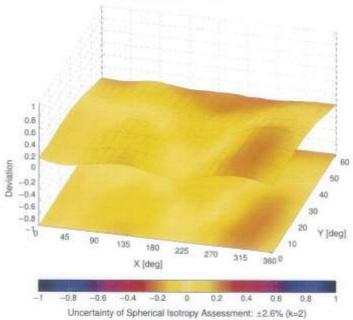


Conversion Factor Assessment



Deviation from Isotropy in Liquid





Certificate No: EX-3768_Aug24 Page 9 of 21

F-TP22-03 (Rev. 06) Page 10 of 240



Appendix: Modulation Calibration Parameters

| UIID | Rev | Communication System Name | Group | PAR (dB) | UncE k = 2 |
|--------|-----|---|-----------|----------|------------|
| - 0 | | CM | GW | 0.00 | ±4.7 |
| 10010 | CAB | SAR Validation (Square, 100 ms, 10 ms) | Test | 10,00 | ±9.6 |
| 10011 | CAC | UMTS-FDD (WCDMA) | WCDMA | 2.91 | ±9.6 |
| 10012 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps) | WLAN | 1.87 | ±9.6 |
| 10013 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | WLAN | 9.46 | ±9.6 |
| 10021 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ±9.6 |
| 10-023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | ±9,6 |
| 10-024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 6.56 | ±9.8 |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0) | GSM | 12.62 | ±9.6 |
| 10-026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9.55 | ±9.6 |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | GSM | 4.80 | +9.6 |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) | GSM | 3.55 | ±9,6 |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2) | GSM | 7.78 | ±9.6 |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1) | Bluetooth | 5.30 | ±0,6 |
| 10031 | CAA | (EEE 802.15.1 Bluetooth (GFSK, DH3) | Bluetooth | 1,87 | ±9.6 |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5) | Bluetooth | 1,16 | ±9.6 |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) | Bluetooth | 7.74 | ±9.6 |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PV4-DQPSK, DH3) | Bluetooth | 4.53 | ±9.6 |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (PI4-DQPSK, DH5) | Bluetooth | 3.83 | ±9.6 |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1) | Bluetooth | 8.01 | ±9.6 |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Bluetooth | 4,77 | ±9.6 |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DHS) | Bluetooth | 4.10 | =9.6 |
| 10039 | CAB | CDMA2000 (1×RTT, RC1) | CDMA2000 | 4.57 | ±9.6 |
| 10042 | CAB | IS-64 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Haltrate) | AMPS | 7.78 | ±9.6 |
| 10044 | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM) | AMPS | 0.00 | ±9.6 |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | DECT | 13.80 | ±9.6 |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | DECT | 10.79 | ±9.6 |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps) | TD-SCDMA | 11,01 | ±9.6 |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | ±9.6 |
| 10059 | CAB | IEEE 802.11b WFi 2.4 GHz (DSSS, 2 Mbps) | WLAN | 2.12 | ±9.6 |
| 10080 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) | WLAN | 2.83 | ±9.6 |
| 10-061 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps) | WLAN | 3.60 | ±9.6 |
| 10062 | CAE | IEEE 802.11a/h WIFI 5 GHz (OFDM, 6Mbps) | WLAN | 8.68 | ±9.6 |
| 10083 | CAE | IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps) | WLAN | 8.83 | ±9.6 |
| 10064 | CAE | (EEE 802.11a/n WIFI 5 GHz (OFDM, 12 Mbps) | WLAN | 9.09 | ±9.6 |
| 10085 | CAE | IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps) | WLAN | 9.00 | 19.6 |
| 10066 | CAE | IEEE 802,11a/n WIFI 5 GHz (OFDM, 24 Mbps) | WLAN | 9.38 | ±9.6 |
| 10057 | CAE | IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps) | WLAN | 10.12 | ±9.6 |
| 10068 | CAE | IEEE 802.11a/n WIFi 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | 19.6 |
| 10069 | CAE | IEEE 802.11ah WIFI 5 GHz (OFDM, 54Mbps) | WLAN | 10.56 | +9.6 |
| 10071 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/QFDM, 9 Mbps) | WLAN | 9.83 | ±9.6 |
| 10072 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.62 | +9.6 |
| 10073 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | WLAN | 9.94 | ±9.6 |
| 10074 | CAB | IEEE 802,11g WIFI 2.4 GHz (DSSS/OFOM, 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 | 19.6 |
| 10077 | CAB | IEEE 802,11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | WLAN | 11.00 | ±9.6 |
| 10081 | CAB | CDMA2000 (1×RTT, RC3) | CDMA2000 | 3.97 | ±9.6 |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, Pl/4-DQPSK, Fullrate) | AMPS | 4,77 | +9.6 |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 6.56 | 19.6 |
| 0097 | CAC | UMTS-FDD (HSDPA) | WCDMA | 3.98 | ±9.6 |
| 0098 | CAC | UMTS-FDD (HSUPA, Subtest 2) | WCDMA | 3,98 | ±9.6 |
| 0.099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | GSM | 9.86 | #9.6 |
| 0100 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-FDD | 5.67 | ±9.6 |
| 0101 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-FOD | 6.42 | ±9.6 |
| 0102 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 54-QAM) | LTE-FDD | 6.60 | ±9.6 |
| 10103 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20MHz, QPSK) | LTE-TDD | 9.29 | ±9.6 |
| 0104 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.97 | ±9.6 |
| 0105 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.01 | ±9.6 |
| 0108 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10MHz, QPSK) | LTE-FDD | 5.80 | ±9.6 |
| 0109 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ±9.6 |
| 10110 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5MHz, QPSK) | LTE-FDD | 5.75 | ±9.6 |
| 10111 | CAH | LTE-FDD (BC-FDMA, 100% RB, 5MHz, 16-QAM) | LTE-FDD | 6.44 | ±9,8 |

Certificate No: EX-3768_Aug24 Page 10 of 21

F-TP22-03 (Rev. 06) Page 11 of 240



| UID | Rev | Communication System Name | Group | PAR (dB) | UncE k = |
|--------|-----|--|---------|--------------|---------------------|
| 10112 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 84-QAM) | LTE-FOD | 6.59 | ±9.6 |
| 10113 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 84-QAM) | LTE-FOO | 6.62 | ±9.6 |
| 10114 | CAE | IEEE 802,11n (HT Greenfield, 13.5Mbps, BPSK) | WLAN | 8.10 | ±9.6 |
| 10115 | CAE | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | WEAN | 8.46 | ±9,6 |
| 10116 | CAE | IEEE 902.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN | 8.15 | ±9.6 |
| 10117 | CAE | IEEE 802,11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8.07 | ±9.6 |
| 10118 | CAE | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | WEAN | 8.59 | ±9.6 |
| 10119 | CAE | IEEE 802.11n (HT Mixed, 135 Mbpe, 64-QAM) | WLAN | 8.13 | ±9.6 |
| 10140 | CAF | LTE-FDD (SC-FDMA, 100% RB, 15MHz, 16-QAM) | LTE-FDD | 6.49 | ±9.6 |
| 10141 | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.53 | ±9.6 |
| 10142 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3MHz, QPSK) | LTE-FDD | 5.73 | 19.6 |
| 10143 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.35 | ±9.6 |
| 10144 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-FDD | 6,65 | ±9,6 |
| 10145 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, QPSK) | LTE-FDD | 5.76 | ±9.6 |
| 10146 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 8.41 | ±9.6 |
| 10147 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.72 | ±9.6 |
| 10149 | CAF | LTE-FDD (SC-FDMA, 60% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ±9.8 |
| 10150 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.6 |
| 10151 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-TDD | 9.28 | ±9.6 |
| 10152 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.92 | ±9.6 |
| 10153 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-TOD | 10.05 | ±9.6 |
| 10154 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-FDD | 5.75 | ±9.6 |
| 10155 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | #9.6 |
| 10156 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-FDD | 5.79 | ±9.6 |
| 10157 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QAM) | LTE-FDD | 6,49 | ±9.6 |
| 10158 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.62 | ±9.6 |
| 10159 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.58 | ±9.6 |
| 10160 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-FOD | 5.82 | ±9.6 |
| 10161 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-FD0 | 6.43 | #9.6 |
| 10162 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-FOD | 6.58 | ±9.6 |
| 10166 | | LTE-FDD (SC-FDMA, 80% 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 |
| | CAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-FDD | 5.73 | 19.6 |
| 10170 | AAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 15-QAM) | LTE-FDD | 6.52 | ±9.6 |
| 10172 | CAH | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-FDD | 6.49 | ±9,6 |
| 10173 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-TOD | 9.21 | 19.6 |
| 10174 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-TOD | 9,48 | ±9.6 |
| 10175 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-TOD | 10.25 | ±9.6 |
| 10176 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 18-QAM) | LTE-FDD | 5.72 6.52 | ±9,6 |
| 10177 | CAJ | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | | 5.73 | 19.6 |
| 10178 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.6 |
| 10179 | CAH | LTE-FOD (SC-FDMA, 1 RB, 10 MHz, 54-QAM) | LTE-FDD | 6.50 | 19,6 |
| 10180 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 84-QAM) | LTE-FOD | 6.50 | ±9.6 |
| 10181 | CAF | LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK) | LTE-FDD | | ±9.6 |
| 10182 | CAF | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-FDD | 5.72 6.52 | ±9.6 |
| 10183 | AAE | LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM) | LTE-FOD | 6.50 | ±9.6 |
| 10184 | CAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | |
| 10185 | CAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-FDD | 6.51 | ±9.6 |
| 10 186 | AAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 54-QAM) | LTE-FDD | 6.50 | 19.6 |
| 10187 | CAG | LTE-FDD (SC-FDMA, 1 AB, 1.4 MHz, QPSK) | LTE-FDD | 5.73 | 19.6 |
| 10188 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM) | LTE-FDD | 6.52 | Citation & Citation |
| 10189 | AAG | LTE-FDO (SC-FDMA, 1 RB, 1.4 MHz, 84-QAM) | LTE-FDD | 6.50 | 19.6 |
| 10193 | CAE | IEEE 802.11n (HT Greenfield, 5.5 Mbps, BPSK) | WLAN | 8.09 | 19.6 |
| 10194 | CAE | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-DAM) | WLAN | 8.12 | 19.6 19.6 |
| 10195 | CAE | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | WLAN | 8.21 | 19.6 |
| 10196 | CAE | IEEE 802.11rr (HT Mixed, 6.5 Mbps, BPSK) | WLAN | 8.10 | ±9.6 |
| 10197 | CAE | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | WLAN | 8.13 | 19.6 |
| 10198 | CAE | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) | WLAN | 8.27 | ±9.6 |
| 10219 | CAE | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN | 8.03 | ±9.6 |
| 10220 | CAE | IEEE 802,11n (HT Mixed, 43.3 Mbps, 16-QAM) | WLAN | 8.13 | 19.6 |
| 10221 | CAE | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) | WLAN | 8.27 | 19.6 |
| 10222 | CAE | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) | WLAN | 8.06 | |
| 10223 | CAE | IEEE 802-11n (HT Mised, 90 Mbps, 16-QAM) | WLAN | 8.48 | ±9.6 |
| 10224 | CAE | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | WLAN | 8.08 | ±9.6 |

Certificate No: EX-3768_Aug24 Page 11 of 21

F-TP22-03 (Rev. 06) Page 12 of 240



August 19, 2024

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|--------|-----|--|----------|----------|----------------------|
| 10225 | CAC | UMTS-FDD (HSPA+) | WCDMA | 5.97 | ±9.6 |
| 10226 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-TOD | 9,49 | ±9,6 |
| 10227 | GAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-TOD | 10.26 | ±9.6 |
| 10228 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TDO | 9.22 | ±9.6 |
| 10229 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-TDD | 9.48 | ±9.6 |
| 10.530 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM) | LTE-TDD | 10.25 | ±8.6 |
| 10231 | CAE | LTE-TDD (8C-FDMA, 1 RB, 3 MHz, QPSK) | LTE-TDD | 9.19 | ±9,6 |
| 10232 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM) | LTE-TOD | 9.48 | ±9.6 |
| 10233 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-TOD | 10.25 | ±9.6 |
| 10234 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-TOO | 9.21 | ±9.6 |
| 10235 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-TD0 | 9.48 | ±9:6 |
| 10236 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-TOD | 10.25 | ±9.6 |
| 10237 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-TOD | 0,21 | ±0.6 |
| 10238 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM) | LTE-TOD | 9,48 | ±9,6 |
| 10239 | CAB | LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM) | LTE-TDD | 10.25 | ±9,6 |
| 10240 | CAG | I,TE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK) | LTE-TOD | 9.21 | ±9.6 |
| 10241 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 18-QAM) | LTE-TDD | 9.82 | ±9.6 |
| 10242 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-TOD | 9.86 | ±9.6 |
| 10243 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.46 | 49.6 |
| 10244 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM) | LTE-TOD | 10.06 | ±9.6 |
| 10245 | CAE | LTE-TDD (SC-FDMA, 50%, RB, 3MHz, 64-QAM) | LTE-TOD | 10.06 | ±9.6 |
| 10246 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-TOD | 9.30 | ±9,6 |
| 10247 | CAH | (TE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM) | LTE-TOD | 9.91 | ±9.6 |
| 10248 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-TOD | 10.09 | 19.5 |
| 10249 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-TOD | 9.29 | 19.6 |
| 10250 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-TOD | 9,81 | ±9.6 |
| 10251 | CAH | LTE-TDD (SC-FDMA, 50% RS, 10 MHz, 64-QAM) | LTE-TDD | 10.17 | ±9.6 |
| 10252 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TOD | 9,24 | ±9.6 |
| 10253 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-TOD | 9.90 | 19.6 |
| 10254 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.14 | ±9.6 |
| 10255 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK) | LTE-TOD | 9.20 | ±9.6 |
| 10256 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-TOD | 9.96 | ±9.6 |
| 10257 | GAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 84-QAM) | LTE-TOD | 10.08 | ±9.6 |
| 10255 | CAE | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-TOD | 9.94 | ±9.6 |
| 10260 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM) | LTE-TOD | 9.97 | ±9.6 |
| 10261 | CAE | LTE-TOD (SC-FDMA, 100% RB, 3MHz, QPSK) | LTE-TOD | 9.97 | ±9.6 |
| 10262 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM) | LTE-TOD | 9.83 | 19.5 |
| 10263 | CAH | LTE-TDD (SC-FDMA, 100%, RB, 5 MHz, 64-QAM) | LTE-TOD | 10.16 | 19.6 |
| 10264 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5MHz; QPSK) | LTE-TDD | 9.23 | 19.6 |
| 10285 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-TOD | 9.92 | 19.6 |
| 10266 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-TOD | 10.07 | ±9.6 |
| 10267 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10MHz, QPSK) | LTE-TOD | 9.30 | ±9.6 |
| 10268 | CAG | LTE-TDD (SC-FDMA, 100% R8, 15MHJ, 16-QAM) | LTE-TOD | 10.06 | ±9.6 |
| 10269 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM) | LTE-TOD | 10.13 | 19.6 |
| 10270 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK) | LTE-TOD | 9.58 | ±9.6 |
| 10274 | CAC | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) | WCDMA | 4.87 | 19.6 |
| 10275 | CAC | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | WCDMA | 3.96 | ±9.6 |
| 10277 | CAA | PHS (OPSK) | PHS | 11.81 | ±9.6 |
| 10278 | CAA | PHS (QPSK, BW 884 MHz, Rolloff 0.5) | PHS | 11.81 | 19.6 |
| 10279 | CAA | PHS (QPSK, BW 884 MHz, Rolloff 0.38) | PHS | 12.18 | 19.6 |
| 10290 | AAB | CDMA2000, RC1, SO55, Full Rate | CDMA2000 | 3.91 | 19.6 |
| 10291 | AAB | CDMA2000, RC3, SO55, Full Rate | CDMA2000 | 3.46 | 19.6 |
| 10292 | AAB | CDMA2000, RC3, SO32, Full Rate | CDMA2000 | 3.39 | 19.6 |
| 0293 | AAB | CDMA2000, RC3, SO3, Full Rate | COMA2000 | 3.50 | 19.6 |
| 0295 | AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | CDMA2000 | 12.49 | ±9.6 |
| 0297 | AAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-FDD | 5.81 | 19.6 |
| 0298 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-FDD | 5.72 | ±9.6 |
| 0299 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.39 | 19.6 |
| 0300 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.60 | 19.6 |
| 0301 | AAA | EEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) | WMAX | 12:03 | 19.6 |
| 0302 | AAA | EEE 802.16e WIMAX (29:18, 5ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) | WIMAX | 12.57 | 19.6 |
| 0303 | AAA | EEE 802.16e WMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) | WMAX | 12.52 | 19.6 |
| 0304 | AAA | IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64 QAM, PUSC) | WMAX | 11.86 | 29.6 |
| 0305 | AAA | EEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) | WMAX | 15.24 | ±9.6 |
| 0306 | AAA | EEE 802.166 WMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols) | WMAX | 14.67 | ±9.6 |

Certificate No: EX-3768_Aug24

Page 12 of 21



| UID | Rev | Communication System Name | Group | PAR (dB) | UncE k = 2 |
|--------|------|--|----------|----------|------------|
| 10307 | AAA | IEEE 802,16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols) | WIMAX | 14,49 | ±9.6 |
| 10308 | AAA | IEEE 802,16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC) | WIMAX | 14.46 | ±9.6 |
| 10309 | AAA | EEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols) | WIMAX | 14,58 | ±9.6 |
| 10310 | AAA | EEE 862,16e WIMAX (29:18, 10 ms. 10 MHz, QPSK, AMC 2x3, 18 symbols) | WIMAX | 14,57 | ±9.6 |
| 10311 | AAE | LTE-FDD (SC-FDMA, 100% RB, 15MHz, QPSK) | LTE-FOO | 6.06 | ±9.6 |
| 10313 | AAA | IDEN 1:3 | IDEN | 10,51 | ±9.6 |
| 10314 | AAA | 10EN 1:6 | IDEN | 13.48 | ±9.6 |
| 10315 | AAB | IEEE 802,11b WiFi 2,4 GHz (DSSS, 1 Mbps, 98pc duty cycle) | WLAN | 1,71 | ±9.6 |
| 10316 | AAB | IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10317 | AAE | IEEE 802.11a WIFI 5 GHz (OFDM, 6 Mbps, 96pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10352 | AAA | Pulse Waveform (200Hz, 10%) | Generic | 10.00 | ±9.6 |
| 10353 | AAA | Pulse Waveform (200Hz, 20%) | Generic | 6.99 | +9.6 |
| 10354 | AAA | Pulse Waveform (200Hz, 40%) | Generic | 3.96 | ±9.6 |
| 10355 | AAA | Pulse Waveform (200Hz, 60%) | Generic | 2.22 | 49.6 |
| 10356 | AAA | Pulse Waveform (200Hz, 80%) | Generic | 0.97 | ±9.6 |
| 10387 | AAA, | QPSK Waveform, 1 MHz | Generic | 5,10 | ±9.6 |
| 10388 | AAA | QPSK Waveform, 10 MHz | Generic | 5,22 | ±9,6 |
| 10396 | AAA | 64-QAM Waveform, 100 kHz | Generic | 6.27 | ±9,6 |
| 10399 | AAA | 64-QAM Waveform, 40 MHz | Generic | 6.27 | ±9.6 |
| 10400 | AAF | IEEE 802,11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.37 | ±9.6 |
| 10401 | AAF | IEEE 802.11ac WFI (40 MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.60 | ±9,6 |
| 10402 | AAF. | IEEE 802,17ac WIFI (80 MHz, 64-QAM, 95pc duty cycle) | WLAN | 8.50 | ±9.6 |
| 10403 | AAB | GDMA2000 (1xEV-DO, Rav. 0) | GDMA2000 | 3.76 | ±9,6 |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A) | CDMA2000 | 3,77 | ±9.6 |
| 10406 | AAB | CDMA2000, RC3, SQ32, SCH0, Full Rate | CDMA2000 | 5.22 | ±9.6 |
| 10410 | AAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8.9, Subframe Confe4) | LTE-TOD | 7.82 | 19.6 |
| 10414 | AAA | WLAN CCDF, 64-QAM, 40 MHz | Genetic | 8.54 | ±9.6 |
| 10415 | AAA | IEEE 802;11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) | WLAN | 1.54 | 19.6 |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) | WLAN | 8.23 | ±9.6 |
| 10417 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps, 96pc duty cycle) | WLAN | 8.23 | ±9,6 |
| 10418 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) | WLAN | 9.14 | ±9.6 |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) | WLAN | E.19 | ±9.6 |
| 10422 | DAA | IEEE 802.11n (HT Greenfield, 7.2 Mbps, 8PSK) | WLAN | 8,32 | ±9.6 |
| 10.423 | AAD | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | WLAN | 8.47 | ±9.6 |
| 10424 | AAD | IEEE B02.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | WLAN | 8.40 | ±9.6 |
| 10425 | AAD | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | WLAN | 8.41 | 19.6 |
| 10426 | AAD | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-GAM) | WLAN | 8,45 | ±9.6 |
| 10427 | AAD | IEEE 802,11n (HT Greenfield, 150 Mtps, 64-QAM) | WLAN | 8,41 | ±9,6 |
| 10430 | AAE | LTE-FDD (OFDMA, 5MHz, E-TM 3.1) | LTE-FDD | 9.28 | ±9.6 |
| 10431 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | LTE-FDD | 8,38 | ±9.6 |
| 10432 | AAD | LTE-FDD (OFDMA, 15 MHz, E-TM 0,1) | LTE-FDD | 8:34 | ±9.6 |
| 10433 | AAD | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ±9.6 |
| 10434 | AAB | W-CDMA (BS Test Model 1, 64 DPCH) | WCDMA | 8.60 | ±9.6 |
| 10435 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOO | 7.82 | ±9.6 |
| | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.56 | ±9.6 |
| 10448 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | LTE-FDO | 7,53 | ±9.6 |
| 10450 | AAD | LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Cliping 44%) | LTE-FDO | 7.51 | ±9.6 |
| 10450 | AAB | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) WCCDMA (RE Turt Model 1, 64 DRCM, Clipping 44%) | LTE-FDD | 7.48 | ±9.6 |
| 10453 | AAE | W-CDMA (B5 Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7,59 | ±9.6 |
| 10456 | AAD | Validation (Square, 10 ms, 1 ms) | Test | 10,00 | ±9.6 |
| 10457 | AAB | IEEE 802.11ac WiFi (186 MHz, 64-QAM, 99pc duty cycle) UMTS-FDD (DC-HSDPA) | WLAN | 8,63 | ±9.6 |
| 10458 | AAA | | WCDMA | 6,62 | ±9.6 |
| 10459 | AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | CDMA2000 | 6.55 | ±9.6 |
| 10488 | AAB | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | CDMA2000 | 8.25 | ±9.6 |
| 10461 | AAC | UMTS-FDB (WCDMA, AMR) | WCDMA | 2.30 | ±9.6 |
| 10:461 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2.2,4,7,8,9) | LTE-TOD | 7.82 | ±9.6 |
| | AAC | LTE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) | LTE-TDD | 8.30 | ±9.6 |
| 10464 | AAD | LTE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 64-QAM, UL Subframe-2.3.4,7.8.9) | LTE-TDD | 8.56 | ±9.6 |
| | _ | LTE-TDD (SC-FDMA, 1 R8, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.82 | ±9:6 |
| 10465 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.32 | ±9.6 |
| 10466 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.57 | ±9.6 |
| 10467 | AAG | LTE-TDD (SC-FDMA, 1 R8, 5 MHz, QPSK, UL Sublimme-2.3,4,7,8,9) | LTE-TDD | 7.82 | ±9.6 |
| 10468 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe-2,3:4,7:8.9) | FLE-1DD | 8,32 | ±9.6 |
| 10469 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.56 | ±9.6 |
| 10470 | AAG | LTE-TDD (SC-FDMA, 1 R8, 10 MHz; QPSK, UL Subframe=2.3,4,7,8.9) | LTE-TDD | 7.82 | ±9.6 |
| | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subtrame=2,3.4.7.8.9) | LTE-TDD | 8.32 | ±9.6 |

Certificate No: EX-3768_Aug24 Page 13 of 21

F-TP22-03 (Rev. 06) Page 14 of 240



| UID | Rev | Communication System Name | Group | PAR (dB) | UncE K=2 |
|--------|------|--|---------|----------|----------|
| 10472 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.57 | ±9.6 |
| 10473 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 7.82 | ±9.6 |
| 10474 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.32 | ±9.6 |
| 10475 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9) | LTE-TDD | 8.57 | ±9.6 |
| 10477 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.32 | 19.6 |
| 10478 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe+2,3,4,7,8,9) | LTE-TOD | 8.57 | ±9.6 |
| 10479 | AAC | LTE-TDD (SC-FDMA, 50% RB. 1.4 MHz, QPSK, UL Subframe=2.3.4,7,8,9) | LTE-TDD | 7.74 | ±9.6 |
| 10480 | AAC | LTE-TDD (SC-FDMA, 50% RB. 1.4 MHz, 16-QAM, UL Subframe=2.3.4,7,8,9) | LTE-TOD | 8.18 | ±9.6 |
| 10481 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.45 | ±9.6 |
| 10482 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 7.71 | ±9.6 |
| 10483 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3MHz, 18-QAM, UL Subframe=2,3.4,7.8,9) | LTE-TDD | 8.39 | ±9.6 |
| 10484 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM, UL Subframe=2,3.4,7.8,9) | LTE-TDD | 8.47 | 49.6 |
| 10485 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 7.59 | 19.6 |
| 10486 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.38 | +9.6 |
| 10487 | AAG | LTE-TDD (SC-FDMA, 50%, RB, 5MHz, 64-QAM, UL Subframe=2.3.4.7.8.9) | LTE-TDD | 8.60 | ±9.6 |
| 10488 | AAG | LTE-TDD (SC-FDMA, 50% RB. 10MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.70 | ±9.6 |
| 10489 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subfrieme=2,3,4,7,8,9) | LTE-TDD | 8.31 | ±9.6 |
| 10490 | AAG | LTE-TDD (SC-FDMA, 50% RB. 10 MHz, 64-QAM, UL Subframe-2,3.4,7.8.9) | LTE-TOD | 8.54 | 19.6 |
| 10491 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.74 | ±9.6 |
| 10492 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3.4.7.8.9) | LTE-TDD | 8.41 | 19.6 |
| 10493 | AAF | LTE-TDD (SC-FDMA, 50%, RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.55 | 19.6 |
| 10494 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20MHz, OPSK, Ut. Subtrame=2,3,4,7,8,9) | LTE-TDD | 7,74 | 19,6 |
| 10494 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.37 | 19.6 |
| 10495 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subhame=2,3,4,7,8,9) | LTE-TOD | 8.54 | ±9.6 |
| 10495 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1,4MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 7.67 | ±9.6 |
| | AAC | LTE-TDD (SC-FDMA, 100% RB, 1,4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.40 | |
| 10498 | AAC | Control of the Art of the second of the seco | | | ±9.6 |
| 10499 | AAD | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.68 | ±9.6 |
| 10500 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOO | 7.67 | ±9.6 |
| 10501 | | LTE-TDD (SC-FDMA, 100% RB; 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOO | 8,44 | ±9.6 |
| 10502 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UE Subframe=2,3,4,7,8,9) | LTE-TOD | 8.52 | ±9.6 |
| 10503 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Subtrame=2,3,4,7,8,9) | LTE-TDD | 7.72 | ±9.6 |
| 10504 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.31 | ±9,8 |
| 10505 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOO | 8.54 | ±9.6 |
| 10506 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GPSK, UL Subtrame=2.3,4,7,8,9) | LTE-TOD | 7.74 | ±9.6 |
| 10507 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3.4,7,8.9) | LTE-TOD | 8.36 | ±9.6 |
| 10508 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8.9) | LTE-TDO | 8.55 | ±9.6 |
| 10509 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subtrame=2,3,4,7,8,9) | LTE-TDD | 7,09 | ±9,6 |
| 10510 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8,49 | ±9.6 |
| 10511 | AAF. | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 84-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOO | 8,51 | #9,6 |
| 10512 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.74 | #9.6 |
| 10513 | AAG | LTE-TDD (SC-FDMA, 100% RB; 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.42 | ±9.6 |
| 10514 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20MHz, 54-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.45 | ±9.6 |
| 10515 | AAA | IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) | WEAN | 1.58 | ±9,6 |
| 10516 | ддд | IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) | WLAN | 1.57 | ±9.6 |
| 10517 | AAA | IEEE 802.11b WIFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) | WEAN | 1.58 | ±9.6 |
| 10518 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mops, 99pc duty cycle) | WLAN | 8,23 | ±9,8 |
| 10519 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) | WLAN | 8.39 | ±9.6 |
| 10.520 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) | WLAN | 8.12 | ±9,6 |
| 10521 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) | WLAN | 7.97 | ±9.6 |
| 10522 | AAD | IEEE 802,11a/h WIFI 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 10523 | AAD | IEEE 802.11ah WIFI 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) | WLAN | 8.08 | 19.6 |
| 10524 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) | WLAN | 8.27 | ±9,6 |
| 10525 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle) | WLAN | 8.36 | ±9.8 |
| 10.526 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle) | WLAN | 8.42 | ±9.6 |
| 10527 | AAD | IEEE B02.11ac WIFI (20 MHz, MCS2, 99pc duty cycle) | WLAN | 8.21 | ±9.6 |
| 10528 | AAD | IEEE 802.11ac WIFi (20 MHz, MCS3, 99pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10.529 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10531 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle) | WLAN | 8.43 | ±9.6 |
| 10532 | AAD | The state of the s | WLAN | 8.29 | ±9,6 |
| 10533 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle) | WLAN | 8.38 | ±9.6 |
| 10534 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS0, 89pc duty cycle) | WLAN. | 8.45 | ±9.6 |
| 10535 | AAD | IEEE 802.11ac WiFl (40 MHz, MCS1, 99pc duty cycle) | WLAN | 8,45 | ±9,6 |
| 10538 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle) | WLAN | 8.32 | ±9.6 |
| 10537 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle) | WLAN | 8,44 | ±9.6 |
| 10508 | AAD | IEEE 802,11ac WiFI (40 MHz, MCS4, 99pc duty cycle) | WLAN | 8.54 | ±9.6 |
| 10540 | AAD | IEEE 802.11ac WFI (40 MHz, MCS6, 99pc duty cycle) | WLAN | 8.39 | ±9.6 |

Certificate No: EX-3768_Aug24

Page 14 of 21



August 19, 2024

| UID | Rev | Communication System Name | Group | PAR (dB) | UncE k = |
|--------|-----|--|-------|----------|----------|
| 10541 | AAD | IEEE 802,11ac WiFi (40 MHz, MCS7, 99pc duty cycle) | WLAN | 8,46 | ±9.8 |
| 10542 | AAD | IEEE 802,11ac WIFI (40 MHz, MCS8, 99pc duty cycle) | WLAN | 8.65 | ±9.6 |
| 10543 | AAD | (EEE B02.11ac WiF) (40 MHz, MCS9, 99pc duty cycle) | WLAN | 8,65 | ±9,6 |
| 10544 | AAD | IEEE 802,11ac WiFi (80 MHz, MCS0, 99pc duty cycle) | WLAN | 8.47 | ±9,6 |
| 10545 | AAD | IEEE 802,11ac WIFI (80 MHz, MCS1, 99pc duty cycle) | WLAN | 8.55 | ±9,8 |
| 10546 | AAD | IEEE 802,11ac WiFi (80 MHz, MCS2, 99pc duty cycle) | WLAN | 8,35 | ±9.6 |
| 10547 | AAD | IEEE 802,11ac WIFI (80 MHz, MCS3, 99pc thdy cycle) | WLAN | 8.49 | ±9.6 |
| 10548 | AAD | EEE 802,11ac WiFi (80 MHz, MCS4, 99pc duty cycle) | WLAN | 9.37 | ±9.6 |
| 10550 | CAA | IEEE 802,11ac WiFi (80 MHz, MCS6, 99pc duty cycle) | WLAN | 8.38 | ±9.6 |
| 10551 | AAD | IEEE 802,11ac WiFi (80 MHz, MOS7, 99pc duty cycle) | WLAN | 8.50 | ±9.6 |
| 10552 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle) | WLAN | 8.42 | ±9.6 |
| 10553 | AAD | IEEE 802,11ac WIF) (80 MHz, MCS9, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 10554 | AAE | IEEE 802,11ac WiFi (160 MHz, MCS0, 90pc duty cycle) | WLAN | 6.46 | ±9.6 |
| 10555 | AAE | IEEE 802,11ac WiFi (160 MHz, MCS1, 99pc duty cycle) | WLAN | 8.47 | ±9.6 |
| 10556 | AAE | EEE 802,11ac WIFI (160 MHz, MCS2, 99pc duty cycle) | WLAN | 8,50 | ±9.6 |
| 10557 | AAE | IEEE 802,11ac WiFi (160 MHz, MCS3, 98pc duty cycle) | WLAN | 8.62 | ±9.6 |
| 10558 | AAE | IEEE 802,11ac WiFi (160 MHz, MCS4, 99pc duty cycle) | WLAN | 8.61 | +9.6 |
| 10560 | AAE | EEE 802,11ac WiFi (160 MHz, MCS6, 99pc duty cycle) | WLAN | 8,72 | ±9.6 |
| 10561 | AAE | IEEE 802.11ac WFI (160 MHz, MCS7, 98pc duty cycle) | WLAN | 8.56 | ±9.6 |
| 10562 | AAE | IEEE 802,11sc WiFi (160 MHz, MCS8, 99pc duty cycle) | WLAN | 8.69 | ±9.6 |
| 10563 | AAE | EEE 802,11ac WiFi (160 MHz, MCS9, 99pc duty cycle) | WLAN | 8.77 | ±9.6 |
| 10564 | AAA | EEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle) | WLAN | 8.25 | ±9,6 |
| 10565 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 10566 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | WLAN | 8.13 | ±9.6 |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (OSSS-OFDM, 24 Mbps, 99pc duty cycle) | WLAN | 8.00 | ±9.6 |
| 10568 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | WLAN | 8.37 | ±9.6 |
| 10569 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | WLAN | 8.10 | ±9.6 |
| 10570 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps. 99pc duty cycle) | WLAN | 8,30 | ±9.6 |
| 10571 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) | WLAN | 1.99 | ±9.6 |
| 10572 | AAA | IEEE 802.11b WIFI 2.4 GHz (DSSS, 2Mbps, 90pc duty cycle) | WLAN | 1.99 | ±9.6 |
| 10573 | AAA | IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) | WLAN | 1.98 | ±9.6 |
| 10574 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) | WLAN | 1.98 | ±9.6 |
| 10575 | AAA | IEEE 802,11g WIFI 2,4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) | WLAN | 8.59 | ±9.6 |
| 10576 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) | WLAN | 8.60 | ±9.6 |
| 10577 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pt; duty cycle) | WLAN | 8.70 | ±9.6 |
| 10578 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) | WLAN | 8.49 | ±9.6 |
| 10579 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps; 90pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10580 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) | WLAN | 8.76 | ±9,6 |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) | WLAN | 8.35 | ±9,6 |
| 10582 | AAA | EEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) | WLAN | 8.67 | ±9.6 |
| 10583 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) | WLAN | 8.50 | ±9.6 |
| 10584 | AAD | EEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mhps, 90pc duty cycle) | WLAN | 8,60 | ±9,6 |
| 10585 | AAD | IEEE 802.11a/h WiFi 6 GHz (OFDM, 12 Mbps, 90pc duty cycle) | WLAN | 8.70 | ±9.6 |
| 10586 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) | WLAN | 8.49 | ±9.6 |
| 10587 | AAD | IEEE 802.11a/h WIFI 5 GHz (CIFDM, 24 Mbps, 90pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10.588 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) | WLAN | 8.78 | ±9,6 |
| 10589 | AAD | IEEE 802,11a/h WIFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle) | WLAN | B.35 | ±9.6 |
| 10590 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) | WLAN | 8.67 | ±9.6 |
| 10591 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) | WLAN | 8.63 | ±9:6 |
| 10592 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle) | WLAN | 8.79 | ±9.6 |
| 0593 | AAD | IEEE 802,11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle) | WLAN | 8.64 | ±9.6 |
| 10594 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) | WLAN | 8.74 | ±9.6 |
| 10595 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle) | WLAN | 8,74 | ±9.6 |
| 0.596 | AAD | IEEE 802,11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle) | WLAN | 8.71 | ±9.6 |
| 0.597 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle) | WLAN | 8.72 | 19.6 |
| 0598 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle) | WLAN | 8.50 | ±9.6 |
| 0599 | AAD | JEEE 802.11n (HT Mixed, 40 MHz, MCS0, B0pc duty cycle) | WLAN | 8,79 | ±9.6 |
| 10600 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS1, BOpc duty cycle) | WLAN | 8.88 | ±9.6 |
| 0.601 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle) | WLAN | 8.82 | ±9.6 |
| 0602 | AAD | IEEE 802,11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) | WLAN | 8.94 | ±9.6 |
| 0803 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle) | WLAN | 9.03 | ±9.6 |
| 10604 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCSS, 90pc duty cycle) | WLAN | 8.76 | ±9.6 |
| 0605 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle) | WI.AN | 8.97 | ±9,6 |
| 10606 | AAD | JEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle) | WLAN | 8.82 | ±9,8 |
| 10607 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle) | WLAN | 8.64 | ±9.6 |
| 0608 | AAD | IEEE 802.11ac WiFI (20 MHz, MCS1, 90pc duty cycle) | WLAN | 8.77 | ±9.6 |

Certificate No: EX-3768_Aug24

Page 15 of 21



August 19, 2024

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k ≈ |
|--------|------|--|-----------|----------|----------------------|
| 10609 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle) | WLAN | 8,57 | ±9.6 |
| 10610 | AAD | IEEE 802.11ac WiFt (20 MHz, MCS3, 90pc duty cycle) | WLAN | 8.78 | ±9.6 |
| 10611 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle) | WLAN | 8.70 | ±9.6 |
| 10612 | AAD | IEEE 802.11ac WIFI (20 MHz, MCS5, 90pc duty cycle) | WLAN | 8,77 | ±9.6 |
| 10613 | AAD | IEEE 802.11ac WIFT (20 MHz, MCS6, 90pc duty cycle) | WLAN | 8.94 | ±9.6 |
| 10614 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) | WLAN | 8,59 | 19.6 |
| 10615 | AAD | IEEE 802.11ac W/Fi (20 MHz, MCS8, 90pc duty cycle) | WLAN | 8.82 | ±9.6 |
| 10616 | AAD | IEEE 802,11ac WiFi (40 MHz, MCS0, 90pc duty cycle) | WLAN | 8.82 | ±9.6 |
| 10617 | AAD | IEEE 802.11ac WiFt (40 MHz, MCS1, 90pc duty cycle) | WLAN | 8.81 | 19.6 |
| 10618 | AAD | IEEE 802.11ac WIFI (40 MHz, MCS2, 90pc duty cycle) | WLAN | 8.58 | 19.6 |
| 10619 | AAD | IEEE 802.11ac WIFI (40 MHz, MCS3, 90pc duty cycle) | WLAN | 8.86 | 19.6 |
| 10620 | AAD | IEEE 802.11ac WIFI (40 MHz, MCS4, 90pc duty cycle) | WLAN | 8.87 | ±9.6 |
| 10621 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) | WLAN | 8,77 | ±9.6 |
| 10622 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle) | WLAN | 8.68 | 19.6 |
| 10623 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle) | WLAN | 8.82 | ±9.6 |
| 10624 | AAD | IEEE 802.11ac WiFi (48 MHz, MCS8, 90pc duty cycle) | WLAN | 8.96 | 19.6 |
| 10625 | AAD | IEEE 802,11ac WiFi (40 MHz, MCS9, 90pc duty cycle) | WLAN | 8.96 | ±9.6 |
| 10.626 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle) | WLAN | 8.83 | ±9.6 |
| 10627 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) | WLAN | 8.88 | ±9,6 |
| 10628 | AAD | IEEE 802.11ac WIFI (80 MHz, MCS2, 90pc duty cycle) | WLAN | 8.71 | 19.6 |
| 10629 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) | WLAN | 8.85 | ±9.6 |
| 10630 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) | WLAN | 8.72 | ±9,6 |
| 10631 | AAD | IEEE 802.11ac WiFi (80 MHz, MCSS, 90pc duty cycle) | WLAN | 8.81 | ±9.6 |
| 10632 | CAA | IEEE 802.11ac WIFI (80 MHz, MCS6, 90pc duty cycle) | WLAN | 8.74 | ±9.6 |
| 10633 | AAD | IEEE 802,11ac WiFi (80 MHz, MCS7, 90pc duty cycle) | WEAN | 8.83 | ±9.6 |
| 10634 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle) | WLAN | 8.80 | ±9.6 |
| 10835 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) | WLAN | 8.81 | ±9.6 |
| 10.636 | AAE | IEEE 802,11ac WiFi (160 MHz, MCS0, 90pc duty cycle) | WLAN | 5.83 | ±9.6 |
| 10637 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) | WLAN | 8.79 | ±9.6 |
| 10638 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS2, 80pc duty cycle) | WLAN | 8.86 | ±9.6 |
| 10639 | AAE | IEEE 802.11ac WiFi (180 MHz, MCS3, 90pc duty cycle) | WLAN | 8.85 | ±9.6 |
| 10840 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle) | WLAN | 8.98 | ±9.6 |
| 10641 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle) | WEAN | 9.06 | 19.6 |
| 10642 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle) | WLAN | 9.06 | ±9.6 |
| 10643 | AAE | IEEE 802,11ac WiFi (160 MHz, MCS7, 90pc duty cycle) | WLAN | 8.89 | ±9.6 |
| 10644 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle) | WLAN | 9.05 | 19.6 |
| 10645 | AAE | IEEE 802.11ac WIFI (160 MHz, MCS9, 80pc duty cycle) | WLAN | 0.11 | ±9.6 |
| 10646 | AAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2.7) | LTE-TOD | 11.95 | 19.6 |
| 10647 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2.7) | LTE-TDD | 11.96 | 19.6 |
| 10648 | AAA | CDMA2000 (1x Advanced) | GDMA2000 | 3.45 | ±9/6 |
| 10652 | AAF | LTE-TDO (OFDMA, 5MHz, E-TM 3.1, Clipping 44%) | LTE-YDD | 6.91 | 19,6 |
| 10653 | AAF | LTE-TDO (OFDMA, 10 MHz, E-7M 3.1, Clipping 44%) | LTE-TOD | 7.42 | 19.6 |
| 10654 | AAE | LTE-TDD (OFDMA, 15MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.96 | ±9.6 |
| 10655 | AAF | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-TOD | 7.21 | ±9.6 |
| 10858 | AAB | Pulse Waveform (2009/z, 10%) | Test | 10.00 | ±9.6 |
| 10659 | AAB | Pulse Waveform (200Hz, 20%) | Test | 6.99 | ±9.6 |
| 10660 | AAB | Pulso Waveform (200Hz, 40%) | Test | 3.98 | ±9.6 |
| 10661 | AAB | Pulse Waveform (200Hz, 60%) | Test | 2.22 | ±9.6 |
| 10662 | AAB | Pulse Waveform (200Hz, 80%) | Test | 0.97 | ±9,6 |
| 10670 | AAA | Bluetooth Law Energy | Bluetooth | 2,19 | ±9,6 |
| 10871 | AAC | IEEE 802,11ax (20 MHz, MGS0, 90pc duty cycle) | WLAN | 9.09 | ±9.6 |
| 10672 | AAC | IEEE 902,11ax (20 MHz, MCS1, 90pc duty cycle) | WLAN | 8,57 | ±9.6 |
| 10673 | AAC | IEEE 802,11ax (20 MHz, MCS2, 90pc duty cycle) | WLAN | 8.78 | ±9.6 |
| 10674 | AAC | IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) | WLAN | 8.74 | ±9.6 |
| 0.675 | AAC | IEEE 802,11ax (20 MHz, MCS4, 50pc duty cycle) | WLAN | 8.90 | ±9.6 |
| 0676 | AAC | IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) | WLAN | 8.77 | ±9.6 |
| 0677 | AAC | IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) | WLAN | 8.73 | ±9.6 |
| 0678 | AAC | IEEE 802,11ax (20 MHz, MCS?, 90pc duty cycle) | WLAN | 8.78 | ±9.6 |
| 0679 | AAC | IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) | WLAN | 8,89 | ±9.6 |
| 0 680 | AAC | IEEE 902,11ax (20 MHz, MCS9, 90pc duty cycle) | WLAN | 9.90 | ±9.6 |
| 0581 | AAC | IEEE 802.11ax (20 MHz. MCS10, 90pc duty cycle) | WLAN | 8,62 | ±9.6 |
| 10682 | AAC: | IEEE 802.11as (20 MHz, MCS11, 90pc duty cycle) | WLAN | 8.83 | ±9.8 |
| 0683 | AAC | IEEE 802.11sx (20 MHz, MCS0, 99pc duty cycle) | WLAN | 8.42 | ±9.6 |
| 10684 | AAC | IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle) | WLAN | 8.26 | 1,9.6 |
| 10685 | AAC | IEEE 802,11ax (20 MHz, MCS2, 99pc duty cycle) | WLAN | 8.33 | ±9.6 |
| 10686 | AAC | IEEE 802.11ax (26 MHz, MCS3, 99pc duty cycle) | WLAN | 5.25 | ±9.6 |

Certificate No: EX-3768_Aug24

Page 16 of 21



| nio | Rev | Communication System Name | Group | PAR (dB) | UncE k = 2 |
|-----------------------------|--|---|-----------|----------|----------------|
| 10687 | AAC | IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 10688 | AAC | (EEE 802.11ax (20 MHz, MCSS, 99pc duty cycle) | WLAN | 8.29 | ±9.6 |
| 10689 | AAC | IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle) | WLAN | 8.55 | ±9.6 |
| 10690 | AAC | IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle) | WLAN | 8.29 | 19.6 |
| 10691 | AAC | IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle) | WLAN | 8.25 | ±9.6 |
| 10692 | AAG | IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle) | WLAN | 8.29 | 19.6 |
| 10693 | AAC | IEEE 800,11 ax (20 MHz, MCS10, 99pc duty cycle) | WLAN | 8.25 | ±9.6 |
| *** | AAC | IEEE 802.11ax (20 MHz. MCS11, 99pc duty cycle) | WLAN | 8.67 | ±9.6 |
| 10694 | Accordance of | | WLAN | 8.78 | 19.6 |
| 10695 | AAC | IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle) | | | |
| 10696 | AAC | IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle) | WLAN | 8.91 | ±9.6 |
| 10697 | AAC | IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle) | WLAN | 8.61 | ±9.6 |
| 10698 | AAC | IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle) | WLAN | 8.89 | ±9.6 |
| 10699 | AAC | IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle) | WLAN | 8.82 | ±9.6 |
| 10700 | AAC | IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle) | WLAN | 8,73 | ±9.6 |
| 10701 | AAC | IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle) | WLAN | 8.86 | ±9.6 |
| 10702 | AAC | IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle) | WLAN | 8.70 | ±9.6 |
| 10703 | AAC | IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle) | WLAN | 8.82 | +9.6 |
| 18704 | AAC | IEEE 802 11ax (40 MHz, MCS9, 90pc duty cycle) | WLAN | 8.58 | ±9.6 |
| 10705 | AAC | IEEE 802.11gs (40 MHz, MCS10, 90pc duty cycle) | WLAN | 8.69 | ±9.6 |
| 10706 | AAC | IEEE 802.11as (40 MHz, MCS11, 90pc duty cycle) | WLAN | 8.66 | ±9.6 |
| 10707 | AAC | IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle) | WLAN | 8.32 | ±9.6 |
| 10708 | AAC | IEEE 802,11ax (40 MHz, MCS1, 99pc duty cycle) | WLAN | 8.55 | 19.6 |
| 10709 | AAC | | WLAN | 8.33 | ±9.6 |
| | Annual Contraction of the Contra | IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle) | | | |
| 10710 | AAC | IEEE 902 11ax (40 MHz, MCS3, 99pc duty cycle) | WLAN | 8.29 | ±9.6 |
| 10711 | AAC | IEEE 802.11ax (40 MHz, MGS4, 99pc duty cycle) | WLAN | 8.30 | ±9.6 |
| 10712 | AAC | IEEE 802.11ax (40 MHz, MCSS, 99pc duty cycle) | WLAN | 8.67 | ±9.6 |
| 10713 | AAC | IEEE 802,11ax (40 MHz, MCS6, 99pc duty cycle) | WLAN | 8.33 | ±9.6 |
| 10714 | AAC | IEEE 802.11ax (40 MHz, MCS7, 99pc duty sycle) | WLAN | 8.26 | ±9.6 |
| 10715 | AAC | IEEE 902.11ax (40 MHz, MCS8, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 10716 | AAC | IEEE 802,11ax (40 MHz, MCS9, 99pc duty cycle) | WLAN | 8,30 | ±9.6 |
| 10717 | AAC. | IEEE 802,11ax (40 MHz, MCS10, 99pc duty cycle) | WLAN | 8,48 | ±9.6 |
| 10718 | AAC | IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) | WLAN | 8.24 | ±9.8 |
| 10719 | AAC | IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle) | WLAN | 8.81 | ±9.6 |
| 10720 | AAC | IEEE 802.11ax (60 MHz, MCS1, 90pc duty cycle) | WLAN | 8.87 | ±9.6 |
| 10721 | AAC | IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle) | WLAN | 8.76 | ±9.6 |
| 10722 | AAC | IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) | WLAN | 8.55 | ±9.6 |
| 10723 | AAC | IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle) | WLAN | 8.70 | ±9.6 |
| 10724 | AAC | IEEE 802 11ax (80 MHz, MCSS, 90pc duty cycle) | WLAN | 8.90 | +9.6 |
| 10725 | AAC | | WLAN | | and the second |
| | AAC | IEEE 802,11ax (80 MHz, MCS6, 90pc duty cycle) | 1,775,755 | 8.74 | ±9.6 |
| 10726 | - | IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle) | WLAN | 8,72 | ±9.8 |
| 10727 | AAC | IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle) | WLAN | 8,56 | ±9.6 |
| 10728 | AAC | IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) | WLAN | 8.65 | ±9.6 |
| 10729 | AAC | IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) | WLAN | 8.64 | ±9.6 |
| 10730 | AAC | IEEE 802.11mx (89 MHz, MCS11, 90pc duty cycle) | WLAN | 8.67 | ±9.6 |
| 10731 | AAC | IEEE 802.11ax (80 MHz, MC50, 99pc duty cycle) | WLAN | 8.42 | ±9.6 |
| 10732 | AAC | IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle) | WLAN | 8.48 | ±9.6 |
| 10733 | AAC. | IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle) | WLAN | 8.40 | ±9.8 |
| 10734 | AAC | IEEE 802,11ax (80 MHz, MCS3, 99pc duty cycle) | WLAN | 8.25 | ±9.6 |
| 10735 | AAC | IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle) | WLAN | 8.33 | 19.6 |
| 10736 | AAC | IEEE 802.11ax (80 MHz, MCS5, 98pc duty cycle) | WLAN | 8.27 | ±9.6 |
| 10737 | AAC | IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10738 | AAC | IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle) | WLAN | 8.42 | +9.6 |
| 10739 | AAC | IEEE 802, 11ax (80 MHz, MCS8, 99pc duty cycle) | WLAN | | |
| 10740 | AAC | IEEE 802.11ax (80 MHz, MGS9, 99pc duty cycle) | | 8.29 | ±9.6 |
| 10741 | AAC | IEEE 802.11ax (80 MHz, MGS9, shipc duty cycle) | WLAN | 8.48 | ±9.6 |
| All resolves and the second | | | WI,AN | 8.40 | ±9.6 |
| 10742 | AAC | IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) | WLAN | 8,43 | ±9.6 |
| 10743 | - | IEEE 802,11ax (160 MHz, MCS0, 90pc duty cycle) | WLAN | 8.94 | ±9.6 |
| 10744 | AAC | IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) | WLAN | 9.16 | ±9.6 |
| 10745 | AAC | IEEE 802.11ax (160 MHz, MCS2, 90pc-duty cycle) | WLAN | 8.93 | ±9.6 |
| 10746 | AAC | IEEE 802,118x (160 MHz, MCS3, 90pc duty cycle) | WLAN | 9.11 | ±9.6 |
| 10,747 | AAC | IEEE 802.11ax (160 MHz, MCS4, 90pc-duty cycle) | WLAN | 9.04 | ±9.6 |
| 10748 | AAC. | IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) | WLAN | 8.90 | 19.6 |
| 10749 | AAC | IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle) | WLAN | 8.90 | 19.6 |
| 10750 | AAC | IEEE 802,11ax (160 MHz, MCS7, 90pc duty cycle) | WLAN | 8.79 | 19.6 |
| | Brook Shooking | IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) | WLAN | 8.82 | 19.6 |
| 10751 | AAC: | | | | |

Certificate No: EX-3768_Aug24

Page 17 of 21



August 19, 2024

| UID | Rev | Communication System Name | 100000000000000000000000000000000000000 | PAR (dB) | Unc ^{II} k = |
|--------|------|---|---|----------|-----------------------|
| 10753 | AAC | IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle) | WLAN | 9.00 | ±9,6 |
| 10754 | AAC | IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle) | WLAN | 8.94 | ±9.6 |
| 0755 | AAC: | IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle) | WLAN | 8.54 | ±9.8 |
| 0.756 | AAC. | IEEE 802.11ax (160 MHz, MGS1, 99pc duty cycle) | WLAN | 8,77 | ±9,6 |
| 0.757 | AAC | IEEE 802.11ax (160 MHz, MCS2, 98pc duty cycle) | WLAN | 8.77 | ±9,8 |
| 0758 | AAG | IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle) | WLAN | 8.69 | ±9.6 |
| 0759 | AAC. | IEEE 802.11ax (160 MHz, MOS4, 99pc duty cycle) | WLAN | 8.58 | ±9.6 |
| 760 | AAC. | IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle) | WLAN | 8.49 | ±9.6 |
| 761 | AAC | IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle) | WLAN | 8.58 | ±9,6 |
| 762 | AAC | IEEE 802.11as (160 MHz, MCS7, 99pc duty cycle) | WLAN | 8.49 | ±9.6 |
| 763 | AAC | IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle) | WLAN. | 8.53 | ±9.6 |
| 0764 | AAC | IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle) | WLAN | 8.54 | 3.9.6 |
| 0765 | AAC | IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle) | WLAN | 8.54 | £9.6 |
| 0.766 | AAC | IEEE 802.11ex (160 MHz, MCS11, 99pc duty cycle) | WLAN | 8.51 | ±9,6 |
| 0767 | AAG | 5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15kHz) | 5G NR FR1 TDD | 7.99 | ±9,6 |
| 0788 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TD0 | 8.01 | ±9.6 |
| 0769 | AAD | 5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15kHz) | 5G NR FR1 TDD | 8.01 | ±9.6 |
| 0770 | AAE | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TD0 | 8.02 | ±9.6 |
| 0771 | AAD | 5G NR (CP-OFOM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TD0 | 8.02 | a9.6 |
| 0772 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.23 | ±9.6 |
| 0773 | AAF | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | SG NR FR1 TDD | 8.03 | ±9,6 |
| 0774 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | SG NR FR1 TDD | 8.02 | ±9.6 |
| 0775 | AAF | 5G NR (CP-OFDM, 50% RB, 5MHz, QPSK, 15kHz) | 5G NR FRI TDD | 8.31 | ±9.6 |
| 0.776 | AAE | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 6.30 | ±9.8 |
| 0777 | AAC | 5G.NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.30 | ±9.6 |
| 0778 | AAE | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.34 | ±9.6 |
| 0779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.42 | ±9.6 |
| 0780 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.38 | ±9.6 |
| 0.781 | AAF | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15kHz) | 5G NR FR1 TDD | 8.38 | ±9.6 |
| 0782 | AAE | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.43 | +9.6 |
| 0783 | AAG | 5G NR (CP-QFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 | ±9.6 |
| 0.784 | AAE | SG NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.29 | ±9.6 |
| 0785 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QP8K, 15 kHz) | 5G NR FR1 TDD | 8.40 | ±9.6 |
| 0786 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.35 | ±9.6 |
| 0787 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.44 | ±9.6 |
| 0788 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | 19.6 |
| 10789 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15kHz) | 5G NR FR1 TDD | 8.37 | ±9.6 |
| 10.790 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ±9.6 |
| 10791 | AAG | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.83 | :19.6 |
| 0.792 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.92 | ±9.6 |
| 0793 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.95 | 19.6 |
| 10794 | AAE | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ±9.6 |
| 0795 | AAD | SG NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.84 | ±9.6 |
| 0.796 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, GPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ±9.6 |
| 0797 | AAF | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.01 | ±9.6 |
| 0.798 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ±9.6 |
| 0.799 | AAF. | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | ±9.6 |
| 10801 | AAF | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ±9,6 |
| 0802 | AAE | 5G NR (CP-OFDM, 1 RB, 96 MHz, QPSK, 36 kHz) | 5G NR FR1 TDD | 7.87 | ±9.6 |
| 0803 | AAF | SG NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7,93 | ±9.6 |
| 0.805 | AAE | 5G NR (CP-OFDM, 50% RB, 10 MHz, GPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ±9.6 |
| 0806 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.37 | ±9.6 |
| 0809 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ±9.6 |
| 0810 | AAF | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ±97 |
| 0812 | AAF | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ±9.6 |
| 0817 | AAG | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ±9.0 |
| 0.918 | AAE | 9G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | #9.6 |
| 0819 | CAA | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.33 | ±9.6 |
| 0820 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.30 | ±9.6 |
| 0.821 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8,41 | ±9.6 |
| 0822 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FRI TOD | 8.41 | ±9.6 |
| 0823 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 6.36 | ±9.6 |
| 10824 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.39 | ±9.6 |
| 0825 | AAF | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8,41 | 19.6 |
| 10.827 | AAF | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.42 | ±9.4 |
| | AAE | 5G NR (CP-OFDM, 100% RB, 50MHz, QP5K, 30kHz) | 5G NR FR1 TDD | 8,43 | ±9.6 |

Certificate No: EX-3768_Aug24

Page 18 of 21



| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E A = |
|-------|-----|--|--------------------------------|----------|----------------------|
| 10829 | AAF | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.40 | ±9,6 |
| 0830 | AAE | 50 NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.63 | ±9.6 |
| 0831 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.73 | ±9.5 |
| 0832 | AAE | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.74 | ±9.6 |
| 0833 | AAD | 5G NR (CP-DFDM, 1 RB, 25 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | 1.9,6 |
| 0834 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.75 | 19.6 |
| 0835 | AAF | SG NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) | 50 NR FR1 TDD | 7.70 | ±9.6 |
| 0836 | AAE | 5G NR (CP-OFDM, 1-RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7,66 | 19,6 |
| 0837 | AAF | 5G NR (CP-QFDM, 1 RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.68 | ±9.6 |
| 0839 | AAF | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 80 kHz) | SG NR FR1 TDD | 7.70 | £9.6 |
| 0840 | AAE | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.67 | ±9,6 |
| 0841 | AAF | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 50 kHz) | 5G NR FR1 TDD | 7.71 | ±9.6 |
| 0843 | CAA | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) | 50 NR FR1 TDD | 8.49 | ±9.6 |
| 0.844 | AAE | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ±9.8 |
| 0.846 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, OPSK, 60 kHz) | 5G NR FR1 TDD | 8,41 | ±9.6 |
| 0854 | AAE | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ±9.6 |
| 0855 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.38 | ±9.6 |
| 0.856 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ±9.6 |
| 0857 | AAD | SG NR (CP-OFOM, 100% RB, 25 MHz, QPSK, 60 kHz) | 50 NR FR1 TDD | 8.35 | \$9.6 |
| 0858 | AAE | 5G NR (CP-OFOM, 100% RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8,36 | 19.6 |
| 0859 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ±9.6 |
| 0860 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) | SG NR FR1 TDD | 8.41 | ±9.6 |
| 0861 | AAF | 5G NR (CP-OFOM, 100% RB, 66MHz, QPSK, 66kHz) | 5G NR FR1 TOD | 8.40 | ±9.6 |
| 0863 | AAF | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) | 5G NR FRI TOD | 8.41 | ±9.6 |
| 0864 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) | SG NR FRI TDD | 8.37 | ±9.6 |
| 0865 | AAF | 5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 60×Hz) | 5G NR FR1 TDD | 5,68 | ±9.6 |
| 0888 | AAF | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD 5G NR FR1 TDD | 5.89 | 19.8 |
| 0868 | AAF | 50 NR (DFT-a-DFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR2 TDD | 5.75 | ±9.6 |
| 0.889 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | SG NR FR2 TDD | 5.86 | 100000 |
| 0870 | AAE | | 5G NR FR2 TDD | 5.75 | ±9.6 |
| 0871 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.62 | ±9.6 |
| 0872 | AAE | 5G NR (DFT-e-OFDM, 100% RB, 100MHz, 16QAM, 120kHz) | 5G NR FR2 TDD | 8.61 | ±9.6 |
| 0873 | AAE | SG NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 KHz) | 5G NR FR2 TDD | 6.65 | ±9.6 |
| 0875 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ±9.6 |
| 0876 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.39 | 19.6 |
| 0877 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 7.95 | ±9,6 |
| 0878 | AAE | 5G NR (CP-OFDM, 100% RB, 100MHz, 16QAM, 120WHz) | 5G NR FR2 TDD | 8.41 | 19.5 |
| 0879 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.12 | 19.5 |
| 0880 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.38 | 19.6 |
| 0881 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, OPSK, 120 kHz) | SG NR FR2 TDD | 5.75 | 19.6 |
| 0882 | AAE | 5G NR (DFT-II-OFDM, 100% RB, 50MHz, QPSK, 120kHz) | 5G NR FR2 TDD | 5.96 | 19.5 |
| 0883 | AAE | 5G NR (DFT=-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.57 | 19.6 |
| 0884 | AAE | 5G NR (DFT=-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.53 | 19.6 |
| 0885 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | 19.6 |
| 0886 | AAE | 5G NR (DFT-e-OFDM, 100% RB, 50MHz, 84QAM, 120kHz) | 5G NR FR2 TDD | 6.65 | 19.6 |
| 0887 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | 19.6 |
| 0888 | AAE | 5G NR (CP-CFDM, 100% RB, 50 MHz, GPSK, 120 kHz) | SG NR FR2 TDD | 8.35 | ±9.6 |
| 0889 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.02 | 19.6 |
| 0890 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16 QAM, 120 MHz) | 5G NR FR2 TDD | 8.40 | 19.6 |
| 0891 | AAE | 58 NR (CP-CFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.13 | 19.6 |
| 0892 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | 19.6 |
| 0897 | AAE | 5G NR (DFT-e-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.66 | 19.6 |
| 0898 | AAC | 5G NR (DFT-e-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | 19.6 |
| 0899 | AAB | 5G NR (DFT-e-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | SG NR FRI TDD | 5.67 | 19.6 |
| 1900 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | 19.6 |
| 1080 | AAB | 9G NR (DFT-s-OFDM, 1 RB, 25 MHz, OPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | +9.6 |
| 908 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | SG NR FR1 TDD | 5.68 | ±9.6 |
| 0903 | AAD | 5G NR (DFT-e-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 9G NR FR1 TDD | 5.68 | 19.6 |
| 0904 | AAC | 5G NR (DFT-e-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 |
| 0905 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 |
| 906 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, OPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | 19.5 |
| 0907 | AAE | 5G NR (DFT-s-OFDM, 50% R8, 5 MHz, QPSK, 30 kHz) | 5G NR FRI TDD | 5.78 | 19.6 |
| 8080 | AAC | 5G NR (DFT-e-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FRI TDD | 5.93 | ±9.6 |
| 0909 | AAB | 5G NR (DFT-e-OFDM, 50% RB, 15MHz, QPSK, 30kHz) | 5G NR FRI TDD | 5.96 | 19.6 |
| 0910 | AAC | 9G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | 19.6 |

Certificate No: EX-3768_Aug24 Page 19 of 21

F-TP22-03 (Rev. 06) Page 20 of 240



August 19, 2024

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc* k = |
|--------|-------|---|---------------|----------|----------|
| 10911 | AAB | 5G NR (DFT-e-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.90 | ±9,6 |
| 10912 | AAC | 5G NR (DFT-s-DFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | 19.8 |
| 10913 | AAD | 50 NR (OFT-e-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6 |
| 0914 | AAC | 5G NR (DFT-e-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.85 | 19.6 |
| 10915 | (LAA. | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ±9.6 |
| 10916 | AAD. | 5G NR (OFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | ±9.6 |
| 10917 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ±9.6 |
| 10918 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ±9,6 |
| 10919 | AAC | 5G NR (DFT-s-DFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ±9.6 |
| 10920 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 30kHz) | 5G NR FR1 TDD | 5.87 | ±9.6 |
| 10921 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9,6 |
| 10922 | BAA | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.82 | 19.6 |
| 10923 | AAC | 5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | 19.6 |
| 10924 | AAD | 5G NR (DFT-e-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9,6 |
| 10925 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR ER1 TDD | 5.95 | ±9.6 |
| 10926 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9,6 |
| 10927 | AAD | 50 NR (DFT-e-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 | (JAA) | 5G NR (DFT=-OFDM, 1 RB, 10MHz, QPSK, 15kHz) | 5G NR FR1 FDD | 5.52 | 19.6 |
| 10930 | AAC | 5G NR (DFT-II-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ±9.6 |
| 10931 | AAC | 5G NR (DFT-6-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | SG NR FR1 FDD | 5.51 | ±9.6 |
| 10932 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | SG NR FR1 FDD | 5.51 | ±9.6 |
| 10933 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ±/9/6 |
| 10934 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ±9,6 |
| 10935 | AAD | 5G NR (DFT-6-OFDM, 1 RB, 50MHz, QPSK, 15kHz) | 5G NR FR1 FDD | 5.51 | ±9,6 |
| 10936 | AAD. | 5G NR (DFT-6-OFDM, 50% RB, 5 MHz, QPSK, 15 NHz) | SG NR FR1 FDD | 5.90 | £9.6 |
| 10937 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FD0 | 5.77 | ±9.6 |
| 10938 | AAC | 5G NR (DFTs-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | +9.6 |
| 10939 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | SG NR FR1 FDD | 5.82 | ±9,6 |
| 10940 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FD0 | 5.09 | +9.6 |
| 10941 | AAC | 5G NR (DFTs-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FD0 | 5.83 | ±9.6 |
| 10942 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ±9.6 |
| 10943 | AAD | SG NR (DFT-e-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.95 | ±9.8 |
| 10944 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FD0 | 5.81 | ±9.6 |
| 10945 | AAD | 5G NR (DFTs-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ±9.6 |
| 10946 | AAC. | 5G NR (DFTs-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | SG NR FR1 FDD | 5.83 | ±9.6 |
| 10947 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FD0 | 5.87 | ±9.6 |
| 10.948 | AAC | 50 NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.84 | ±9.6 |
| 10949 | AAC: | 5G NR (DFT-6-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | SG NR FR1 FDD | 5.87 | ±9.6 |
| t0:950 | AAC | 5G NR (DFT:s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ±9.6 |
| 10951 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5,92 | ±9,6 |
| 10952 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) | SG NR FR1 FDD | 8.25 | ±9.6 |
| 10953 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.15 | £9,6 |
| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | SG NR FRt FDD | 8.23 | ±9.0 |
| 10955 | AAA | SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.42 | 19.6 |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | SG NR FR1 FDD | 8.14 | ±9.6 |
| 10857 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | SG NR FR1 FDD | 8.31 | ±9.6 |
| 10958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 54-QAM, 30kHz) | 5G NR FR1 FDD | 8.61 | ±9.6 |
| 10959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.33 | 19.6 |
| 0960 | AAE | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15kHz) | SG NR FR1 TDD | 9.32 | ±9.6 |
| 0961 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 84-QAM, 15 kHz) | 5G NR FR1 TDD | 9.36 | 19.6 |
| 0962 | AAB | 50 NR DL (CP-OFDM, TM 3.1, 15 MHz, 54-QAM, 15 kHz) | 5G NR FR1 TDD | 9.40 | 19.6 |
| 0963 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.55 | ±9.6 |
| 0964 | AAE | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | SG NR FR1 TDD | 9.29 | ±9.6 |
| 0965 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 35 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 | ±9.5 |
| 0967 | | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.42 | 19.6 |
| 0968 | AAD | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NA FR1 TDD | 9.49 | 19.6 |
| 0972 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, CPSK, 15 kHz) | 5G NR FRI TOD | 11.59 | 19.6 |
| 0973 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 9.06 | ±9.6 |
| 0.974 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 258-QAM, 30 kHz) | 5G NR FR1 TDB | 10.28 | 19.6 |
| 10978 | AAA | ULLA BOR | ULLA | 1.16 | 19,6 |
| 0979 | AAA | ULLA HDR4 | ULLA | 8.58 | ±9.6 |
| 0980 | AAA | ULLA HDR8 | ULLA | 10.32 | ±9.6 |
| 10981 | AAA | ULLA HDRp4 | UELA | 3.19 | ±9.6 |
| 0.982 | AAA | ULLA HORPE | ULLA | 3.43 | ±9.6 |

Certificate No: EX-3768_Aug24

Page 20 of 21

F-TP22-03 (Rev. 06) Page 21 of 240



| UID | Rev | Communication System Name | Group | PAR (dB) | UncE N = 2 |
|-------|------|---|---------------|----------|------------|
| 10983 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.31 | ±9.6 |
| 10984 | AAB | 5G NR Dt. (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.42 | ±9.6 |
| 10985 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-DAM, 30 kHz) | 5G NR FR1 TDD | 9.54 | ±9.6 |
| 10986 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.50 | ±9.6 |
| 10987 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.53 | ±9.6 |
| 10988 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.38 | 19.6 |
| 10989 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.33 | 19.6 |
| 10990 | AAB | 50 NR DL (CP-DEDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.52 | 19.6 |
| 11003 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 10.24 | ±9.6 |
| 11004 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 10.73 | ±9.6 |
| 11005 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.70 | ±9.6 |
| 11006 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.55 | ±9.6 |
| 11007 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 50 NR FR1 FDD | 8.46 | ±9.6 |
| 11008 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.51 | ±9,6 |
| 11009 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 9.76 | ±9.6 |
| 11010 | AAA. | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.95 | ±9.6 |
| 11011 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FD0 | 8.90 | ±9.6 |
| 11012 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.68 | ±9.6 |
| 11013 | BAA | IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle) | WLAN | 8.47 | 39.6 |
| 11014 | AAB | IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle) | WLAN | 8.45 | ±9.8 |
| 11015 | AAB | (EEE 802.11be (320 MHz, MCS3, 99pc duty cycle) | WLAN | 8.44 | ±9.6 |
| 11016 | AAB | IEEE 802,116e (320 MHz, MCS4, 99pc duty cycle) | WLAN | 8.44 | ±9.6 |
| 11017 | AAB | IEEE 892,11be (320 MHz, MCSS, 96pc duty cycle) | WLAN | 8.41 | ±9.6 |
| 11018 | AAB | IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle) | WLAN | 8.40 | ±9.6 |
| 11019 | AAB. | EEE 802,11be (320 MHz, MCS7, 99pc duty cycle) | WLAN | 8,29 | ±9,6 |
| 11020 | AAB | IEEE 802,116e (320 MHz, MCS8, 99pc duty cycle) | WLAN | 8.27 | ±9.6 |
| 11021 | AAB | IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle) | WLAN | 8,46 | ±9,6 |
| 11022 | AAB | IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 11023 | AAB | IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle) | WLAN | 8.09 | ±9.6 |
| 11024 | AAB | IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle) | WLAN | 8.42 | ±9.6 |
| 11025 | AAB | IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle) | WLAN | 8.37 | ±9.6 |
| 11026 | AAB | IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle) | WLAN | 8.39 | ±9.6 |

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

Certificate No: EX-3768_Aug24 Page 21 of 21

F-TP22-03 (Rev. 06) Page 22 of 240



Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





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

Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)

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

Accreditation No.: SCS 0108

Client

HCT

Gyeonggi-do, Republic of Korea

Certificate No.

EX-7370_Aug24

CALIBRATION CERTIFICATE Object EX3DV4 - SN:7370 56 2124. 1528-2024-6910 QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6, Calibration procedure(s) **QA CAL-25.v8** Calibration procedure for dosimetric E-field probes Calibration date August 22, 2024 This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate. All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3) °C and humidity < 70%. Calibration Equipment used (M&TE critical for calibration)

| Primary Standards | ID. | Cal Date (Certificate No.) | Scheduled Calibration |
|----------------------------|------------------|-----------------------------------|-----------------------|
| Power meter NRP2 | SN: 104778 | 26-Mar-24 (No. 217-04038/04037) | Mar-25 |
| Power sensor NRP-Z91 | SN: 103244 | 26-Mar-24 (No. 217-04036) | Mar-25 |
| OCP DAK-3.5 (weighted) | SN: 1249 | 05-Oct-23 (OCP-DAK3.5-1249 Oct23) | Oct-24 |
| OCP DAK-12 | SN: 1016 | 05-Oct-23 (OCP-DAK12-1016 Oct23) | Oct-24 |
| Reference 20 dB Attenuator | SN: CC2552 (20x) | 26-Mar-24 (No. 217-04046) | Mar-25 |
| DAE4 | SN: 660 | 23-Feb-24 (No. DAE4-660 Feb24) | Feb-25 |
| Reference Probe EX3DV4 | SN: 7349 | 03-Jun-24 (No. EX3-7349 Jun24) | Jun-25 |

| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
|-------------------------|------------------|-----------------------------------|-------------------------|
| Power meter E4419B | SN: GB41293874 | 06-Apr-16 (in house check Jun-24) | In house check: Jun-26 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-24) | In house check: Jun-26 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-24) | In house check: Jun-26 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-24) | In house check: Juri-26 |
| Network Analyzer E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-22) | In house check: Oct-24 |
| | | | |

Name Function Signature

Calibrated by Joanna Lieshaj Laboratory Technician

Approved by Sven Kühn Technical Manager

Issued: August 22, 2024

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

Certificate No: EX-7370_Aug24

Page 1 of 22



Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





C

- S Schweizerischer Kalibrierdienst
 - Service suisse d'étalonnage Servizio svizzero di taratura
- S 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

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 # # rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., # = 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 θ = 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(t)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 ≤ 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).

Certificate No: EX-7370_Aug24 Page 2 of 22

August 22, 2024



EX3DV4 - SN:7370

Parameters of Probe: EX3DV4 - SN:7370

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k = 2) |
|--|----------|----------|----------|-------------|
| Norm (μV/(V/m) ²) ^A | 0.49 | 0.48 | 0.43 | ±10.1% |
| DCP (mV) B | 98.0 | 106.6 | 100.0 | ±4.7% |

Calibration Results for Modulation Response

| UID | Communication System Name | | A dB | $dB\sqrt{\mu V}$ | С | D dB | VR mV | Max dev. | Max Unc ^E k = 2 | | | |
|-------------|--|---|---------|------------------|-------|----------|----------|---------------|----------------------------------|-------|-------|-------|
| 0 | CW | X | 0.00 | 0.00 | 1.00 | 0.00 | 122.2 | ±1.7% | ±4.7% | | | |
| | | Y | 0.00 | 0.00 | 1.00 | | 147.2 | 1456241109012 | | | | |
| | Liver to the second | Z | 0.00 | 0.00 | 1.00 | | 141.8 | | | | | |
| 10352 | Pulse Waveform (200Hz, 10%) | X | 20.00 | 89.83 | 19.61 | 10.00 | 60.0 | ±3.4% | ±3.4% | ±9.6% | | |
| | | Y | 1.72 | 61.63 | 7.47 | | 60.0 | | | | | |
| | | Z | 20.00 | 89.20 | 19.30 | | 60.0 | | | | | |
| 10353 | Pulse Waveform (200Hz, 20%) | X | 20.00 | 92.69 | 19.78 | 6.99 | 80.0 | ±2.5% | ±9.6% | | | |
| | All the beautiful and the second | Y | 0.93 | 60.09 | 5.86 | 0.000000 | 80.0 | 100000000 | - 6367636 | | | |
| | | Z | 20.00 | 91.58 | 19.08 | | 80.0 | | | | | |
| 10354 | Pulse Waveform (200Hz, 40%) | X | 20.00 | 100.55 | 22.12 | 3.98 | 95.0 | ±1.2% | ±9.6% | | | |
| | COLONIA CONTRACTOR CON | Y | 0.51 | 60.00 | 5.25 | | 95.0 | | | | | |
| | AGAZIARAN AND AND DAVINAN AND DAVINAN AND AND AND AND AND AND AND AND AND | Z | 20.00 | 97.15 | 20.22 | | 95.0 | | | | | |
| 10355 | Pulse Waveform (200Hz, 60%) | X | 20.00 | 112.37 | 26.19 | 2.22 | 120.0 | ±0.9% | ±9.6% | | | |
| | | Y | 0.36 | 61.17 | 5.86 | | 120.0 | | - | | | |
| | | Z | 20.00 | 104.95 | 22.52 | | 120.0 | | | | | |
| 10387 | QPSK Waveform, 1 MHz | X | 1.71 | 65.44 | 14.97 | 1.00 | 150.0 | ±1.7% | ±1.7% | ±1.7% | ±1.7% | ±9.6% |
| | 90 | Y | 1.61 | 66.97 | 15.14 | | 150.0 | 00140801 | 1000000 | | | |
| | | Z | 1.62 | 65.08 | 14.43 | | 150.0 | | | | | |
| 10388 | QPSK Waveform, 10 MHz | X | 2.25 | 67.63 | 15.65 | 0.00 | 150.0 | ±1.1% | ±9.6% | | | |
| | | Y | 2.08 | 67.54 | 15.60 | | 150.0 | STATE | | | | |
| District of | 440,004,000,000 | Z | 2.13 | 66.79 | 15.12 | | 150.0 | | | | | |
| 10396 | 64-QAM Waveform, 100 kHz | X | 2.40 | 66.56 | 16.97 | 3.01 | 150.0 | ±1.0% | ±9.6% | | | |
| | | Y | 2.36 | 68.40 | 17.78 | | 150.0 | | | | | |
| | | Z | 2.56 | 68.51 | 17.90 | | 150.0 | | | | | |
| 10399 | 64-QAM Waveform, 40 MHz | X | 3.54 | 66.94 | 15.76 | 0.00 | 150.0 | ±0.7% | ±9.6% | | | |
| | 20 | Y | 3.41 | 67.02 | 15.68 | | 150.0 | 150000 | | | | |
| | | Z | 3.49 | 66.67 | 15.54 | | 150.0 | | | | | |
| 10414 | WLAN CCDF, 64-QAM, 40 MHz | X | 4.94 | 65.50 | 15.51 | 0.00 | 150.0 | ±1.5% | ±9.6% | | | |
| COO'M. | | Y | 4.70 | 65.73 | 15.48 | ranuse. | 150.0 | | | | | |
| | | Z | 4.88 | 65.50 | 15.46 | | 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%.

Certificate No: EX-7370_Aug24

Page 3 of 22

A The uncertainties of Norm X,Y,Z do not affect the E²-held uncertainty inside TSL (see Pages 5 and 6).

B Linearization parameter uncertainty for maximum specified field strength.

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



August 22, 2024

Parameters of Probe: EX3DV4 - SN:7370

Sensor Model Parameters

| | C1 fF | C2 fF | ν-1 | T1 msV ⁻² | T2 ms V ⁻¹ | T3 ms | T4 V-2 | T5 V ⁻¹ | T6 |
|---|----------|----------|-------|-------------------------|--------------------------|----------|-----------|-----------------------|------|
| × | 52.3 | 392.95 | 35.98 | 8.42 | 0.04 | 5.03 | 0.00 | 0.38 | 1.00 |
| y | 34.0 | 242.77 | 32.83 | 8.09 | 0.00 | 4.90 | 1.47 | 0.00 | 1.00 |
| 2 | 45.2 | 340.45 | 36.02 | 5.51 | 0.11 | 5.02 | 1.27 | 0.14 | 1.01 |

Other Probe Parameters

| Triangular |
|------------|
| -86.1* |
| enabled |
| disabled |
| 337 mm |
| 10 mm |
| 9 mm |
| 2.5 mm |
| 1 mm |
| 1 mm |
| 1 mm |
| 1.4 mm |
| |

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



Parameters of Probe: EX3DV4 - SN:7370

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 ^H (k = 2) |
|----------------------|---------------------------------------|------------------------------------|---------|---------|---------|--------------------|----------------------------|-----------------------------|
| 750 | 41.9 | 0.89 | 8.87 | 10.01 | 9.70 | 0.40 | 1.27 | ±11.0% |
| 835 | 41.5 | 0.90 | 8.67 | 9.79 | 9.49 | 0.39 | 1.27 | ±11.0% |
| 900 | 41.5 | 0.97 | 8.53 | 9.63 | 9.34 | 0.39 | 1.27 | ±11.0% |
| 1640 | 40.2 | 1.31 | 7.39 | 8.34 | 8.09 | 0.39 | 1.27 | ±11.0% |
| 1750 | 40.1 | 1.37 | 7.25 | 8.18 | 7.93 | 0.39 | 1.27 | ±11.0% |
| 1900 | 40.0 | 1.40 | 7.10 | 8.02 | 7.77 | 0.39 | 1.27 | ±11.0% |
| 2300 | 39.5 | 1.67 | 6.82 | 7.70 | 7.46 | 0.39 | 1,27 | ±11.0% |
| 2450 | 39.2 | 1.80 | 6.68 | 7.54 | 7.31 | 0.39 | 1.27 | ±11.0% |
| 2600 | 39.0 | 1.96 | 6.55 | 7.40 | 7.17 | 0.39 | 1.27 | ±11.0% |
| 3300 | 38.2 | 2.71 | 6.29 | 7:11 | 6.89 | 0.38 | 1.27 | ±13.1% |
| 3500 | 37.9 | 2.91 | 6.25 | 7.05 | 6.83 | 0.38 | 1.27 | ±13.1% |
| 3700 | 37.7 | 3.12 | 6.22 | 7.03 | 6.81 | 0.38 | 1.27 | ±13.1% |
| 3900 | 37.5 | 3.32 | 5.87 | 6.63 | 6.42 | 0.38 | 1.27 | ±13.1% |
| 4100 | 37.2 | 3.53 | 5.81 | 6.56 | 6.36 | 0.38 | 1.27 | ±13.1% |
| 5250 | 35.9 | 4.71 | 5.03 | 5.68 | 5.51 | 0.33 | 1.27 | ±13.1% |
| 5600 | 35.5 | 5.07 | 4.63 | 5.23 | 5.07 | 0.29 | 1.27 | ±13.1% |
| 5750 | 35.4 | 5.22 | 4.63 | 5.22 | 5.06 | 0.28 | 1.27 | ±13.1% |
| 5800 | 35.3 | 5.27 | 4.66 | 5.26 | 5.10 | 0.27 | 1.27 | ±13.1% |

E 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 Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±56 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.
The probes are calibrated using tissue simulating liquids (TSL) that deviate for a and a by less than ±5% from the target values (typically better than ±3%) and are valid for TSL, with deviations of up to ±10% if SAR correction is applied.
G Apha/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 better 3 GHz and below ±2% for frequencies between 3–8 GHz at any distance larger than half the probe tip diameter from the houndary.

Certificate No: EX-7370_Aug24 Page 5 of 22

boundary.

H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConnF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 82209-1528:2020.



August 22, 2024 EX3DV4 - SN:7370

Parameters of Probe: EX3DV4 - SN:7370

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 ^H (k = 2) |
|----------------------|---------------------------------------|------------------------------------|---------|---------|---------|--------------------|----------------------------|-----------------------------|
| 6500 | 34.5 | 6.07 | 5.45 | 6.15 | 5.96 | 0.20 | 1.27 | ±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.

Figure probes are calibrated using tissue simulating liquids (TSL) that deviate for e and or by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.

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

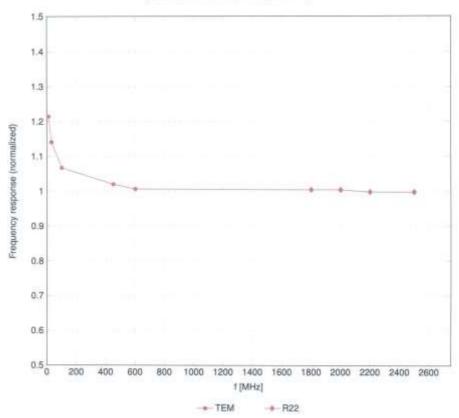
Than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3–6 GHz; and below ±4% for frequencies between 6–10 GHz at any distance larger than half the probe tip diameter from the boundary.

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



Frequency Response of E-Field

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



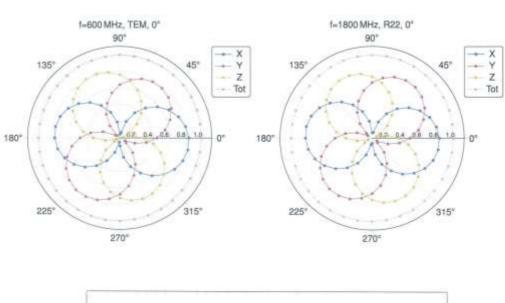
Uncertainty of Frequency Response of E-field: ±6.3% (k=2)

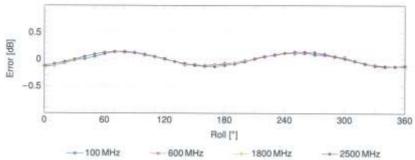
Certificate No: EX-7370_Aug24 Page 7 of 22

F-TP22-03 (Rev. 06) Page 29 of 240



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





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

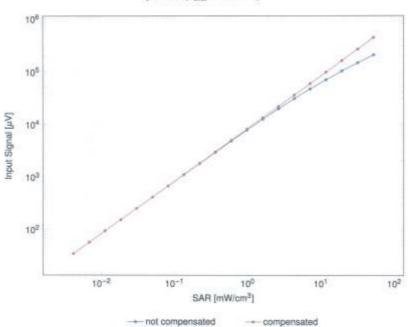
Certificate No: EX-7370_Aug24 Page 8 of 22

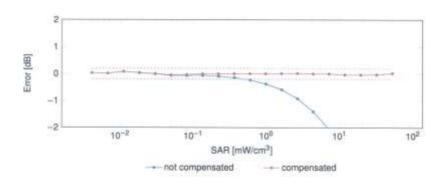
F-TP22-03 (Rev. 06) Page 30 of 240



Dynamic Range f(SAR_{head})

(TEM cell, f_{eval} = 1900 MHz)





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

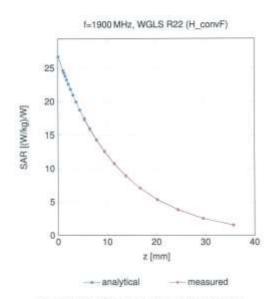
Certificate No: EX-7370_Aug24

Page 9 of 22

F-TP22-03 (Rev. 06) Page 31 of 240

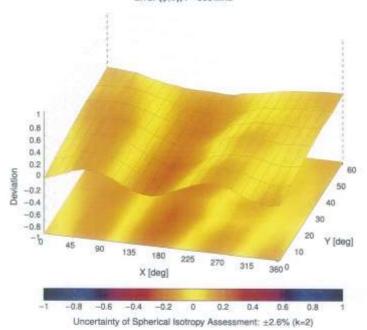


Conversion Factor Assessment



Deviation from Isotropy in Liquid





Certificate No: EX-7370_Aug24 Page 10 of 22

F-TP22-03 (Rev. 06) Page 32 of 240



Appendix: Modulation Calibration Parameters

| CIVU | Rev | Communication System Name | Group | PAR (dB) | UncE k = 2 |
|-------|-----|--|--|--------------------------|------------|
| 0 | | CW | CW | 0.00 | ±4.7 |
| 0010 | CAB | SAR Validation (Square, 100 ms, 10 ms) | Test | 10.00 | ±9.6 |
| 0011 | CAC | UMTS-FDD (WCDMA) | WCDMA | 2.91 | ±9.6 |
| 0012 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps) | WLAN | 1.87 | ±9.6 |
| 0013 | CAB | IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 6 Mbps) | WLAN | 9.46 | ±9.6 |
| 0021 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ±9.6 |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | ±9.6 |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 6.56 | ±9.6 |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0) | GSM | 12.62 | ±9.6 |
| 10026 | DAG | EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9.55 | ±9.6 |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | GSM | 4.80 | ±9.6 |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) | GSM | 3.55 | ±9.6 |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2) | GSM | 7.78 | ±9.6 |
| 10030 | CAA | IEEE 802.15.1 Bluetpoth (GFSK, DH1) | Bluetooth | 5.30 | ±9.6 |
| | CAA | The state of the Control of the Cont | Bluetooth | 1.87 | ±9.6 |
| 10031 | 1 | IEEE 802.15.1 Bluetooth (GFSK, DH3) | Bluetooth | 1.16 | ±9.6 |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5) | Q=000000000000000000000000000000000000 | 7.74 | |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) | Bluetooth | | ±9.6 |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) | Bluetooth | 4.53 | ±9.6 |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (PV4-DQPSK, DH5) | Bluetoath | 3.83 | 19.6 |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1) | Bluetooth | 8.01 | ±9.6 |
| 10037 | CAA | IEEE 802.15,1 Bluetooth (8-DPSK, DH3) | Blustooth | 4,77 | ±9.6 |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5) | Bluetooth | 4.10 | 19.6 |
| 10039 | CAB | CDMA2000 (1xRTT, RC1) | CDMA2000 | 4.57 | ±9.6 |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS | 7.78 | 19.6 |
| 10044 | CAA | IS-91/EtA/TIA-553 FDD (FDMA, FM) | AMPS | 0.00 | 19.6 |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | DECT | 13.80 | ±9.6 |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | DECT | 10.79 | ±9.6 |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1,28 Mcps) | TD-SCDMA | 11.01 | 19.6 |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | ±9.6 |
| 10059 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps) | WLAN | 2.12 | 19.6 |
| 10060 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps) | WLAN | 2,83 | ±9.6 |
| 10061 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps) | WLAN | 3.60 | ±9.6 |
| 10062 | CAE | IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps) | WLAN | 8.68 | ±9.6 |
| 10063 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) | WLAN | 8.63 | ±9.6 |
| 10064 | CAE | IEEE 802.11a/h WiFl 5 GHz (OFDM, 12 Mbps) | WLAN | 9.09 | 19.6 |
| 10065 | CAE | IEEE 802.11a/h WiFl 5 GHz (OFDM, 18 Mbps) | WLAN | 9.00 | 19.6 |
| 10086 | CAE | IEEE 802.11a/h WIFI 5 GHz (OFOM, 24 Mbps) | WLAN | 9.38 | ±9.6 |
| 10067 | CAE | IEEE 802,11a/h WiFi 5 GHz (OFDM, 36 Mbps) | WLAN | 10.12 | ±9.6 |
| 10068 | CAE | IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | 19.6 |
| 10059 | CAE | 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 | 19.6 |
| 10072 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.62 | 19.6 |
| 10073 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbos) | WLAN | 9.94 | 19.6 |
| 10074 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 16 Nops) | WLAN | 10.30 | 19.6 |
| 10075 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 24 Mbps) | WLAN | 10.77 | 19.6 |
| 10078 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 36 Mbps) | WLAN | 10.77 | |
| 10076 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 48 Mbps) | WLAN | The second second second | ±9.6 |
| | CAB | | 7130-01 | 11.00 | 19.6 |
| 10081 | *** | COMA2000 (1xRTT, RC3) | CDMA2000 | 3.97 | ±9.6 |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PL4-DQPSK, Fullvate) | AMPS | 4.77 | ±9.6 |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 6.56 | ±9.6 |
| 10097 | CAC | UMTS-FOD (HSDPA) | WCDMA | 3.98 | ±9.6 |
| 10098 | CAC | UMTS-FDD (HSUPA, Subtest 2) | WCDMA: | 3.98 | ±9.6 |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | GSM | 9.55 | ±9.6 |
| 10100 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20MHz, QPSK) | LTE-FDO | 5.67 | ±9.6 |
| 10101 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-FDO | 6.42 | ±9.6 |
| 10102 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-FDO | 5.60 | ±9.6 |
| 10103 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-TDD | 9.29 | ±9.6 |
| 10104 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16 QAM) | LTE-TD0 | 9.97 | 19.6 |
| 10105 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.01 | ±9.6 |
| 10108 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-FDD | 5.80 | 19.6 |
| 10109 | CAH | LTE-FDD (SC-FDMA, 100% R8, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ±9.6 |
| 10110 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5MHz, QPSK) | LTE-FDD | 5.75 | ±9.6 |
| 10111 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5MHz, 16-QAM) | LTE-FDD | 6.44 | ±9.6 |

Certificate No: EX-7370_Aug24

Page 11 of 22

F-TP22-03 (Rev. 06) Page 33 of 240



August 22, 2024

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|--|-----|--|----------|----------|----------------------|
| Control to the last | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 84-QAM) | LTE-FOD | 6.59 | 39.6 |
| | CAH | LTE-FDD (SC-FDMA, 100% RB, 5MHz, 64-QAM) | LTE-FDD | 6.62 | ±9.6 |
| 7.00 | CAE | IEEE 802.11n (HT Greenfield, 13.5Mbps, BPSK) | WLAN | 8.10 | ±9.6 |
| and the same of th | CAE | IEEE 802.11n (HT Greenfield, S1 Mbps, 16-QAM) | WLAN | 8.46 | 29.6 |
| A CONTRACTOR OF THE PARTY OF TH | CAE | IEEE 802 11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN | 8.15 | ±9.5 |
| - | CAE | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8.07 | ±9.6 |
| | CAE | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | WLAN | 8.59 | 19.6 |
| | CAE | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) | WLAN | 8.13 | ±9.6 |
| - | CAF | LTE-FOD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.49 | ±9.6 |
| The second second second | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.53 | ±9.6 |
| | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-F00 | 5.73 | ±9.6 |
| | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.35 | ±9.6 |
| | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-F00 | 8.65 | ±9.6 |
| | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, QPSK) | LTE-FDD | 5.76 | ±9.6 |
| A SAN MARKET BOOK | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM) | LTE-FDD | 6.41 | ±9.6 |
| and the state of t | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, (4-QAM) | LTE-FDD | 6.72 | 19.6 |
| | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-FD0 | 6.42 | 19.6 |
| A TANK TO A STATE OF | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | 19.5 |
| | CAH | LTE-TOD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-TDO | 9.28 | ±9.6 |
| a designation of the last | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.92 | ±9.6 |
| 5. To -1. The Control of the Control | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.05 | ±9.6 |
| and the second of | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-FOD | 5.75 | ±9.6 |
| | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ±9.6 |
| | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-FDD | 5.79 | ±9.6 |
| 10157 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.49 | ±9.6 |
| | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.62 | ±9.6 |
| 10159 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 84-QAM) | LTE-FDD | 6.56 | ±9.6 |
| 10160 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-FDD | 5.82 | 19.6 |
| 10161 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.43 | ±9.6 |
| 10162 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.58 | ±9.6 |
| 0166 | CAG | LTE-FOD (SC-FDMA, 50% RB, 1.4MHz, QPSK) | LTE-FDD | 5.46 | ±9.6 |
| 0167 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 18-QAM) | LTE-FDD | 6.21 | ±9.6 |
| 10168 | CAG | LTE-FDD (SC-FDMA, 50%-RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.79 | ±9.6 |
| 10169 | CAF | LTE-FDD (SC-FDMA, 1 RB, 20MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 |
| 10170 | CAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.6 |
| 10171 | AAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-FDD | 6.49 | ±9.6 |
| 10172 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-TDD | 9,21 | ±9.6 |
| 10173 | CAH | LTE-TOD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-TDD | 9.48 | ±9.6 |
| 10174 | CAH | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6 |
| 10175 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-FDD | 5.72 | ±9.6 |
| 10176 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10MHz, 15 QAM) | LTE-FDD | 6.52 | ±9.6 |
| 10177 | CAJ | LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 |
| 0178 | CAH | LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.6 |
| 10179 | CAH | LTE-FDD (SC-FDMA, 1 RB, 10MHz, 64-QAM) | LTE-FDD | 6.50 | ±9.6 |
| 10180 | CAH | LTE-FOD (SC-FDMA, 1 RB, 5MHz, 64-QAM) | LTE-FDD | 6.50 | ±9.6 |
| 10181 | CAF | LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK) | LTE-FDD | 5.72 | ±9,6 |
| - | CAF | LTE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM) | LTE-FDD- | 6.52 | ±9.6 |
| oranie de la companya del la companya de la company | AAE | LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM) | LTE-FDD | 8.50 | ±9.6 |
| | CAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 |
| | CAF | LTE-FDD (SC-FDMA, 1 RB, 3MHz, 16-QAM) | LTE-FDD | 6.51 | 19.6 |
| and investment and | AAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-FDD | 6.50 | ±9.6 |
| 0187 | CAG | LTE-FOD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 |
| | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.6 |
| - | AAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-FD0 | 6.50 | ±9.6 |
| | CAE | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) | WLAN | 8.09 | ±9.6 |
| 0194 | CAE | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | WLAN | 8.12 | ±9.€ |
| 0195 | CAE | IEEE 802.11n (HT Greenfield, 65 Mbps, 64 QAM) | WLAN | 8.21 | ±9.6 |
| armed his ball his bear | CAE | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) | WLAN | 8.10 | ±9.6 |
| - | CAE | IEEE 802.11n (HT Mixed, 39 Mtsps; 16-QAM) | WLAN | 8.13 | ±9.6 |
| | CAE | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) | WLAN | 8.27 | ±9.6 |
| enconnectal a | CAE | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN | 8.03 | ±9.6 |
| and the second | CAE | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | WLAN | 8.13 | 19.6 |
| 10221 | CAE | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) | WLAN | 8.27 | ±9.6 |
| 10222 | CAE | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) | WLAN | 8.06 | ±9.6 |
| A CONTRACT OF BUILDING | CAE | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) | WLAN | 8.48 | 19.6 |
| 10224 | CAE | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | WLAN | 8.08 | 19.6 |

Certificate No: EX-7370_Aug24

Page 12 of 22



| UID | Rev | Communication System Name | Group | PAR (dB) | Uncl. k = 2 |
|-------|-----|--|----------|----------|-------------|
| 10225 | CAC | UMTS-FDO (HSPA+) | WCDMA | 5.97 | ±9.6 |
| 10226 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM) | LTE-TDD | 9.49 | ±9.6 |
| 10227 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM) | LTE-TDD | 10.26 | ±9.6 |
| 10228 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK) | LTE-TDD | 9.22 | ±9.6 |
| 10229 | CAE | LTE-TDO (SC-FDMA, 1 RB, 3MHz, 16-QAM) | LTE-TOD | 9.48 | ±9.6 |
| 10230 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6 |
| 10231 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK) | LTE-TDD | 9.19 | ±9.6 |
| 10232 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM) | LTE-TDD | 9.48 | ±9.6 |
| 10233 | CAH | LTE-TOD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-TOD | 10.25 | ±9.6 |
| 10234 | CAH | LTE-TOD (SC-FDMA, 1 RB, 5MHz, QPSK) | LTE-TOD | 9.21 | ±9.8 |
| 10235 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-TOD | 9.48 | ±9.6 |
| 10236 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-TDD | 10.25 | 29.6 |
| 10237 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-TOD | 9.21 | ±9.6 |
| 10238 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM) | LTE-TOD | 9.48 | ±9.6 |
| 10239 | CAG | LTE-TOD (SC-FDMA, 1 RB, 15MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6 |
| 10240 | CAG | LTE-TOD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-TDD | 9.21 | ±9.6 |
| 10241 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM) | LTE-TDD | 9.82 | ±9.6 |
| 10242 | CAC | LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 9.86 | ±9.6 |
| 10243 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.46 | ±9.6 |
| 10244 | CAE | LTE-TDD (SC-FDMA, 50% RB; 3 MHz, 16-QAM) | LTE-TDD | 10.06 | ±9.6 |
| 10245 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-TDD | 10.06 | ±9.6 |
| 10246 | CAE | LTE-TOD (SC-FDMA, 50% RB, 3MHz, QPSK) | LTE-TDD | 9.30 | ±9.6 |
| 10247 | CAH | LTE-TDD (SC-FDMA, 50% R8, 5MHz, 16-QAM) | LTE-TD0 | 9.91 | ±9.6 |
| 10248 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.09 | ±9.6 |
| 10249 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-TDD | 9.29 | ±9.6 |
| 10250 | CAH | LTE-TDD (SC-FDMA, 50% R8, 10 MHz, 16-QAM) | LTE-TDD | 9.81 | ±9.6 |
| 10251 | CAH | LTE-TDD (\$C-FDMA, 50% RB, 10MHz, 64-QAM) | LTE-TDD | 10.17 | ±9.6 |
| 10252 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TDD | 9.24 | ±9.6 |
| 10253 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM) | LTE-TDD | 9.90 | 19.6 |
| 10254 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-QAM) | LTE-TOD | 10,14 | ±9.6 |
| 10255 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK) | LTE-TDD | 9.20 | ±9.6 |
| 10256 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-TOD | 9.96 | ±9.6 |
| 10257 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-TOD | 10.08 | ±9.6 |
| 10258 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, GPSK) | LTE-TOD | 9.34 | ±9.6 |
| 10259 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM) | LTE-TDD | 9.98 | ±9.6 |
| 10260 | CAE | LTE-TDD (SC-FDMA; 100% RB, 3MHz, 84-QAM) | LTE-TDD | 9.97 | ±9.6 |
| 10261 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK) | LTE-TDD | 9.24 | ±9.6 |
| 10262 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM) | LTE-TOD | 9.83 | ±9.6 |
| 10263 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5MHz, 84-QAM) | LTE-TDD | 10,16 | ±9.5 |
| 10264 | CAH | LTE-TDD (SC-FDMA, 100% RB, SMHz, QPSK) | LTE-TDD | 9.23 | ±9.6 |
| 10265 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM) | LTE-TOD | 9.92 | ±9.6 |
| 10266 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10MHz, 84-QAM) | LTE-TOD | 10.07 | ±9.6 |
| 10267 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-TDD | 9.30 | 19.6 |
| 10268 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM) | LTE-TOD | 10.06 | ±9.6 |
| 10269 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM) | LTE-TOO | 10.13 | 19.6 |
| 10270 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-TDD | 9.58 | ±9.6 |
| 10274 | CAC | UMTS-FDD (HSUPA, Subject 5, 3GPP Rel8.10) | WCDMA | 4.87 | 19.6 |
| 10275 | CAC | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | WCDMA | 3.96 | #9.6 |
| 10277 | CAA | PHS (QPSK) | PHS | 11.81 | ±9.6 |
| 10278 | CAA | PHS (QPSK, BW 884 MHz, Rolloff 0.5) | PHS | 11,81 | ±9.6 |
| 10279 | CAA | PHS (QPSK, BW 884 MHz, Rolloff 0.38) | PHS | 12.18 | ±9.6 |
| 10290 | AAB | CDMA2000, RC1, SO55, Full Rate | CDMA2000 | 3.91 | ±9.6 |
| 10291 | AAB | CDMA2000, RC3, SO55, Full Rate | CDMA2000 | 3.46 | ±9.6 |
| 10292 | BAA | CDMA2000, RC3, SO32, Full Rate | CDMA2000 | 3.39 | ±9.6 |
| 10293 | AAB | CDMA2000, RC3, SO3, Full Rate | CDMA2000 | 3.50 | ±9.6 |
| 10295 | AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | CDMA2000 | 12,49 | ±9.6 |
| 10297 | AAE | LTE-FDD (SC-FDMA, 50% RB, 20MHz, QPSK) | LTE-FDD | 5.81 | ±9.6 |
| 10298 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-FDD | 5.72 | ±9.6 |
| 10299 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.39 | ±9.6 |
| 10300 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-FDO | 6.60 | ±9.6 |
| 10301 | AAA | IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) | WWWX | 12.03 | ±9.6 |
| 10302 | AAA | IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) | WIMAX | 12.57 | ±9.6 |
| 10303 | AAA | IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) | WMAX | 12.52 | ±9.6 |
| 10304 | AAA | IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) | WIMAX | 11.86 | ±9.6 |
| 10305 | AAA | IEEE 802.166 WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) | WMAX | 15.24 | ±9.6 |
| 10306 | AAA | IEEE 802.18e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols) | WMAX | 14.67 | ±9.6 |

Certificate No: EX-7370_Aug24 Page 13 of 22

F-TP22-03 (Rev. 06) Page 35 of 240



| UID | Rev | Communication System Name | Group | PAR (dB) | UncE k = 2 |
|--------|-------|---|-------------------|-----------|------------|
| 10307 | AAA | IEEE 802.16e WIMAX (29:18, 10:ms, 10MHz, QPSK, PUSC, 18 symbols) | WMAX | 14,49 | ±9.6 |
| 10308 | AAA | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC) | WMAX | 14.46 | ±9.6 |
| 10309 | AAA | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols) | WIMAX | 14.58 | ±9.6 |
| 10310 | AAA | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols) | WIMAX | 14.57 | ±9.6 |
| 10311 | AAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-FDD | 6.08 | ±9.8 |
| 10313 | AAA | IDEN 1.3 | IDEN | 10.51 | ±9.6 |
| 10314 | AAA | IDEN 1:6 | IDEN | 13.48 | ±9.6 |
| 10315 | AAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle) | WLAN. | 1.71 | ±9.6 |
| 10316 | AAB | IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps; 96pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10317 | AAE | IEEE 802.11a WIFI 5 GHz (OFOM, 6 Mbps, 96pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10.352 | AAA | Pulse Waveform (200Hz, 10%) | Generic | 10.00 | ±9.6 |
| 10383 | AAA | Pulse Waveform (200Hz, 20%) | Generic | 6.99 | ±9.6 |
| 10354 | AAA | Pulse Waveform (200Hz, 40%) | Generic | 3.98 | ±9.6 |
| 10355 | AAA | Pulse Wavelorm (200Hz, 60%) | Generic | 2.22 | ±9.6 |
| 10356 | AAA | Pulse Waveform (200Hz, 80%) | Generic | 0.97 | ±9.6 |
| 10387 | AAA | QPSK Waveform, 1 MHz | Generic | 5,10 | ±9.6 |
| 10388 | AAA | QPSK Wavelorm, 10 MHz | Generic | 5.22 | ±9.6 |
| 10396 | AAA | 54-QAM Waveform, 100 kHz | Generic | 5.27 | ±9.6 |
| 10389 | AAA | 64-QAM Wayeform, 40 MHz | Generic | 6.27 | ±9.6 |
| 10400 | AAF | IEEE 802.11ac WIFI (20 MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.37 | ±9.6 |
| 10401 | AAF | IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.60 | ±9.6 |
| 10402 | AAF | IEEE 802.11ac WIFI (80 MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.53 | ±9.6 |
| 10403 | AAB | CDMA2800 (1xEV-DO, Rev. 0) | CDMA2000 | 3.76 | ±9.8 |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A) | CDMA2000 | 3.77 | ±9.6 |
| 10406 | AAB | CDMA2000, RC3, SC32, SCH0, Full Rate | COMA2000 | 5.22 | ±9.6 |
| 10410 | AAH | LTE-TDD (SC-FDMA, 1 RB, 10MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) | LTE-TDD | 7.82 | ±9.6 |
| 10414 | AAA | WLAN CCOF, 64-QAM, 40 MHz | Ganeric | 8.54 | ±9.6 |
| 10415 | AAA | IEEE 802.11b WIFL2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) | WLAN | 1.54 | ±9.6 |
| 10416 | AAA | IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) | WLAN | 8.23 | ±9.6 |
| 10417 | AAD | IEEE 802.11a/h WIFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) | WLAN | 8.23 | ±9.6 |
| 10418 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) | WLAN | 8.14 | ±9.6 |
| 10419 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) | WLAN | 8.19 | ±9.6 |
| 10422 | (JAA) | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | ±9.6 |
| 10423 | CIAA | IEEE 802.11n (HT Greenfield, 43.3 Mbps. 16-QAM) | WLAN | B.47 | ±9.6 |
| 10424 | AAD | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | WLAN | 8.40 | ±9.6 |
| 10425 | AAD | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | WLAN | 8.41 | ±9.6 |
| 10426 | CAA | IEEE 902.11n (HT Greenfield, 90 Mbps, 16-QAM) | WLAN | 8.45 | ±9.6 |
| 10427 | AAD | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) | WLAN | 8,41 | ±9.6 |
| 10430 | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | LTE-FDD | 8.28 | ±9.6 |
| 10431 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | LTE-FDD | 8.38 | ±9.6 |
| 10432 | (JAA) | LTE-FDD (OFDMA, 15MHz, E-TM 3.1) | LTE-FDD | 8.34 | 19.6 |
| 10433 | AAD | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | LTE-FOD | 8.34 | ±9.6 |
| 10434 | AAB | W-CDMA (BS Test Model 1, 64 DPCH) | WCDMA | 8.60 | ±9.6 |
| 10435 | AAG | LTE-TOD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3.4,7,8,9) | LTE-TDD | 7.82 | ±9.6 |
| 10447 | AAE | LTE-FDD (OFDMA, 5MHz, E-TM 3.1, Clipping 46%) | LTE-FDD | 7.58 | ±9.6 |
| 10448 | AAE | LTE-FOD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | LTE-FDD | 7.53 | ±9.6 |
| 10449. | AAD | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | LTE-FDD | 7.51 | ±9.6 |
| 10450 | AAD | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.45 | ±9.6 |
| 10451 | AAB | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7.59 | ±9.6 |
| 10453 | AAE | Validation (Square, 10 ms, 1 ms) | Test | 10.00 | ±9.6 |
| 10456 | AAD | IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.63 | ±9.6 |
| 10457 | AAB | UMTS-FDD (DC-HSDPA) | WCDMA | 6.62 | ±9.6 |
| 10458 | AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | CDMA2000 | 6.55 | ±9.6 |
| 10459 | AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | CDMA2000 | 8.25 | ±9.6 |
| 10460 | AAB | UMTS-FDD (WCDMA, AMR) | WCDMA | 2.39 | ±9.6 |
| 10461 | AAC | LTE-TDO (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2.3.4.7.8.9) | LTE-TOD | 7.82 | ±9.6 |
| 10462 | AAC | LTE-TDD (SC-FDMA, 1 R8, 1.4MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.30 | ±9.6 |
| 10463 | AAC | LTE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 64-QAM, UL Subframe+2,3,4,7.8.9) | LTE-TDD | 8.56 | ±9.6 |
| 10464 | AAD | LTE-TDD (SC-FDMA, 1 R8, 3MHz, QPSK, UL Subtrame=2,3,4,7,8,9) | LTE-TOD | 7.82 | ±9.6 |
| 10465 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.32 | ±9.6 |
| 10466 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.57 | ±9.6 |
| 10467 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.82 | ±9.6 |
| 10468 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.32 | ±9.6 |
| | AAG | LTE-TDD (SC-FDMA, 1 RR, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.55 | ±9.6 |
| 10.469 | | | The second second | No. notes | 40.0 |
| 10469 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2.3.4.7.8.9) | LTE-TOD | 7.82 | ±9.6 |

Certificate No: EX-7370_Aug24

Page 14 of 22



EX3DV4 - SN:7370

August 22, 2024

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E & = |
|----------------------------------|-----|---|--------------|--------------|----------------------|
| 10472 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subfrare=-2,3,4,7,8,9) | LTE-TDD | 8.57 | ±9.6 |
| 10473 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.82 | ±9.6 |
| 10474 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.32 | ±9.6 |
| 10475 | AAF | LTE TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDO | 8.57 | ±9.8 |
| 10477 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.32 | ±9.6 |
| 10478 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.57 | ±9.6 |
| 10479 | AAC | LTE-TDD (SC-FDMA, 50% R8, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7,74 | ±9.6 |
| 10480 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1,4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.18 | ±9.6 |
| 10481 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8,45 | 19.6 |
| 10482 | AAD | LTE-TOD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframev2,3,4,7,8,9) | LTE-TDD | 7.71 | ±9.6 |
| 10483 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.39 | ±9.6 |
| 10484 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.47 | ±9.6 |
| 10485 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.59 | ±9.6 |
| 10485 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TD0 | 8.38 | ±9.6 |
| 10487 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.60 | ±9.6 |
| 10488 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.70 | ±9.6 |
| 10489 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.31 | ±9.6 |
| 10490 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | B.54 | ±9.6 |
| 10491 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7,74 | ±9.6 |
| 10492 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.41 | ±9.6 |
| 0493 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | H.55 | ±9.6 |
| (1494 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20MHz, QPSK, UL Subframe=2.3,4,7,8,9) | LTE-TDD | 7.74 | ±9.6 |
| 0495 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 18-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.37 | ±9.6 |
| 0490 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOO | 8.54 | ±9.6 |
| 10497 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, QPSK, UL Subframe+2,3,4,7,8,9) | LTE-TD0 | 7.67 | ±9.6 |
| 0498 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.40 | 19.6 |
| 0499 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 6.68 | ±9.6 |
| 0500 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7:67 | ±9.6 |
| 0501 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.44 | ±9.6 |
| 0502 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | B.52 | ±9.6 |
| 0.503 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Subtrame=2,3,4,7,8,9) | LTE-TDD | 7.72 | ±9.6 |
| 10504 | EAA | LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.31 | ±9.6 |
| 0.505 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.54 | ±9.6 |
| 10506 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe+2,3,4,7,8,9) | LTE-TDD | 7.74 | ±9.6 |
| 0507 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2.3,4,7,8,9) | LTE-TDD | 8.36 | ±9.6 |
| 10508 | AAG | LTE-TDD (SC-FDMA, 100% RB. 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 6.55 | ±9.6 |
| 10509 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 7.99 | ±9.6 |
| 10510 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8,49 | ±9.6 |
| 0511 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 84-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.51 | ±9.6 |
| 0512 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe~2,3,4,7,8,9) | LTE-TOD | 7.74 | ±9.6 |
| 0513 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TD0 | B.42 | ±9.6 |
| 0514 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2.3.4,7,8,9) | LTE-TOO | B.45 | 19.6 |
| 0515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) | WLAN | 1.58 | ±9.6 |
| 0516 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) | WLAN | 1.57 | ±9.6 |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) | WLAN | 1.58 | ±9.6 |
| 0518 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) | WLAN | 8.23 | ±9.6 |
| 0519 | CAA | IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 69pc duty cycle) | WLAN | 8.39 | ±9.6 |
| 0520 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) | WLAN | 8.12 | ±9.6 |
| 0521 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) | WLAN | 7.97 | ±9.6 |
| 0522 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps, 69pc duty cycle) | WLAN | 8.45 | ±9.4 |
| 0523 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 46 Mbps, 99pc duty cycle) | WLAN | 8.08 | ±9.6 |
| 0524 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) | W.AN | 8.27 | 19.6 |
| 0525 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 0528 | AAD | IEEE 802.11ac WFI (20 MHz, MCS1, 99pc duty cycle) | WLAN | 8.42 | ±9.6 |
| 0.527 | CAA | IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle) | WLAN | 8.21 | ±9.8 |
| 0528 | AAD | IEEE 802.11ac WIFI (20 MHz, MCS3, 99pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 0529 | AAD | IEEE 802.11ac WFF (20 MHz, MCS4, 99pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 0531 | AAD | IEEE 802.11ac WFI (20 MHz, MCS6, 99pc duty cycle) | WLAN | 8.43 | ±9.6 |
| 0532 | AAD | IEEE 802.11ac WFI (20 MHz, MCS7, 99pc duly cycle) | WEAN | 8.29 | ±9.6 |
| 0633 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS8, 98pc duty cycle) | WEAN | 8.38 | ±9.6 |
| 0534 | AAD | IEEE 802.11ac WIFI (40 MHz, MCS0, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| | AAD | IEEE 802.11ac WiFi (40 MHz, MCS1, 98pc duty cycle) | WLAN | 8.45 | ±9.6 |
| | | IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle) | WLAN | 8.32 | ±9.6 |
| 0536 | AAD | | | | |
| 10535 10536 10537 10538 | AAD | IEEE 802.11ac WIFI (40 MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WIFI (40 MHz, MCS4, 98pc duty cycle) | WLAN WLAN | 8.44 8.54 | ±9.6 |

Certificate No: EX-7370_Aug24

Page 15 of 22



| UID | Rev | Communication System Name | Group | PAR (dB) | UncE k = 2 |
|-------|------|---|-------|--------------|------------|
| 10541 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle) | WLAN | 8.46 | 19.6 |
| 10542 | AAD | IEEE 802.11ac WIFI (40 MHz, MCS8, 99pc duty cycle) | WLAN | 8.65 | ±9.6 |
| 10543 | AAD | IEEE 802.11as WiFi (40 MHz, MCS9, 99pc duly cycle) | WLAN | 8,65 | ±9.6 |
| 10544 | AAD | IEEE 802.11ac WIFI (80 MHz, MCS0, 99pc duty cycle) | WLAN | 8,47 | ±9.6 |
| 10545 | AAD | IEEE 802.11as WiFi (80 MHz, MCS1, 99pc duty cycle) | WLAN | 8.55 | ±9.6 |
| 10546 | AAD | IEEE 802.11ac WiFi (60 MHz, MCS2, 99pc duty cycle) | WLAN | 8.35 | 19.6 |
| 10547 | AAD | IEEE 802.11ac WIFI (80 MHz, MCS3, 99pc duty cycle) | WLAN | B.49 | ±9.6 |
| 10548 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle) | WLAN | 8.37 | ±9.6 |
| 10550 | DAA | IEEE 802,11ac WIFI (80 MHz, MCS6, 99pc duty cycle) | WLAN | 8.38 | ±9.6 |
| 10551 | AAD | IEEE 802.11ac WIFI (80 MHz, MCS7, 99pc duty cycle) | WLAN | 8.50 | ±9.6 |
| 10882 | CIAA | IEEE 802.11ac WiFi (80 MHz, MCS8, 98pc duty cycle) | WLAN | 8.42 | 19.6 |
| 10553 | AAD | IEEE 802.11ac WIFI (80 MHz, MCS9, 99pc duty cycle) | WLAN | 8,45 | ±9.6 |
| 10554 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS0, 98pc duty cycle) | WLAN | 8.48 | ±9.6 |
| 10555 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle) | WLAN | 8.47 | ±9.6 |
| 10556 | AAE | IEEE 802.11ac WIFI (160 MHz, MCS2, 99pc duty cycle) | WLAN | 8.50 | ±9.6 |
| 10557 | AAE | IEEE 802.11as WFi (160 MHz, MCS3, 98pc duty cycle) | WLAN | 8.52 | ±9.6 |
| 10558 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle) | WLAN | 8.61 | ±9.6 |
| 10560 | AAE | IEEE 802.11ac WiFI (160 MHz, MCS6, 99pc duty cycle) | WLAN | 8.73 | ±9.6 |
| 10561 | AAE | IEEE 802.11as WIFI (160 MHz, MCS7, 99pc duty cycle) | WLAN | 8.56 | ±9.6 |
| 10562 | AAE | IEEE 802.11ac WIFI (160 MHz, MCS8, 99pc duty cycle) | WLAN | 8.69 | ±9.6 |
| 10563 | AAE | IEEE 802.11ac WFI (160 MHz, MCS9, 99pc duty cycle) | WLAN | 8.77 | ±9.6 |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mops, 99pc duty cycle) | WLAN | 8.25 | ±9.6 |
| 10565 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 10566 | AAA | IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | WLAN | 8.13 | ±9.6 |
| 10587 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mops, 99pc duty cycle) | WLAN | 8.00 | ±9.6 |
| 10568 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | WLAN | 8.37 | ±9.6 |
| 10569 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | WLAN | 8.10 | ±9.6 |
| 10570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) | WLAN | 8.30 | ±9.6 |
| 10572 | AAA | IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mops, 90pc duty cycle) | WLAN | 1.99 | ±9.6 |
| 10573 | AAA | IEEE 802.116 WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) | WLAN | 1.99 | ±9.6 |
| 10574 | AAA | IEEE 802.116 WFI 2.4 GHz (USSS, 5.5 Mbps, 90pc duty cycle) | WLAN | 1.98 | ±9.6 |
| 10575 | AAA | | WLAN | 1.98 | ±9.6 |
| 10576 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 60pc duty cycle) IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) | WLAN | 8.59 | ±9.6 |
| 10577 | AAA | IEEE 802.11g WFI 2.4 GHz (USSS-OFDM, 9 Mops, 90pc duty cycle) | WLAN | 8.60 | ±9.6 |
| 10578 | AAA | IEEE 802.11g WF1 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) | WLAN | 8.70 8.49 | ±9.6 |
| 10579 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10580 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) | WLAN | 8.76 | ±9.6 |
| 10581 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) | WLAN | 8.35 | ±9.6 |
| 10582 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) | WLAN | 8.67 | ±9.6 |
| 10583 | AAD | IEEE 802.11a/h WIFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) | WLAN | 8.59 | |
| 10584 | AAD | IEEE 802.11a/h WIFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) | WLAN | 8.60 | ±9.6 |
| 10585 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) | WLAN | 8.70 | ±9.6 |
| 10586 | AAD | IEEE 802.11a/h WFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) | WLAN | 8.49 | ±9.6 |
| 10587 | AAD | IEEE 802.11a/h WIFi 5 GHz (OFOM, 24 Mbps, 90pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10588 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) | WLAN | 8.76 | |
| 10589 | AAD | IEEE 802.11a/h WiFl 5 GHz (OFDM, 48 Mbps, 90pc duty cycle) | WLAN | 8.35 | ±9.6 |
| 10590 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) | WLAN | 8.67 | ±9.6 |
| 10591 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) | WLAN | 8.63 | ±9.6 |
| 10592 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 80pc duty cycle) | WLAN | 8.79 | ±9.6 |
| 10593 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle) | WLAN | 8.64 | ±9.6 |
| 10594 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) | WLAN | 8.74 | ±9.6 |
| 10595 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle) | WLAN | B.74 | 19.6 |
| 10596 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle) | WLAN | 8.71 | 19.6 |
| 10597 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle) | WLAN | 8.72 | ±9.6 |
| 10598 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle) | WLAN | 8.50 | 19.6 |
| 10599 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle) | WLAN | 8.79 | ±9.6 |
| 10600 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle) | WLAN | 8.88 | ±9.6 |
| 10601 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle) | WLAN | 8.82 | 19.6 |
| 10602 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) | WLAN | 8.94 | ±9.6 |
| 10603 | AAD | IEEE 802.11n (HT Mixed, 46 MHz, MCS4, 90pc duty cycle) | WLAN | 9.03 | ±9.6 |
| 10604 | AAD | IEEE 802.11n [HT Mixed, 40 MHz, MCSS, 90pc duty cycle) | WLAN | 8.76 | ±9.6 |
| 10605 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle) | WLAN | 8.97 | 19.6 |
| 10606 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle) | WLAN | 8.82 | ±9.6 |
| 10607 | AAD | IEEE 802.11ac WIFI (20 MHz, MCS0, 90pc duty cycle) | WLAN | 8.64 | 19.6 |
| 10608 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle) | WLAN | 8.77 | ±9.6 |

Certificate No: EX-7370_Aug24 Page 16 of 22

F-TP22-03 (Rev. 06) Page 38 of 240



| UID | Rev | Communication System Name | Group | PAR (dB) | UngE k = 2 |
|-------------------------|----------------|--|--------------|--------------|------------|
| 10609 | AAD | IEEE 802.11ac WIFI (20 MHz, MCS2, 90pc duty cycle) | WLAN | 8.57 | ±9.6 |
| 10610 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle) | WLAN | 8.78 | ±9.6 |
| 10611 | AAD | IEEE 802.11ac WIFI (20 MHz, MCS4, 90pc duty cycle) | WLAN | 8.70 | ±9.6 |
| 10612 | AAD | IEEE 802.11ac WIFI (20 MHz, MCS5, 90pc duty cycle) | WLAN | 8.77 | ±9.6 |
| 10613 | AAD | IEEE 802.11ac WFi (20 MHz, MCS6, 90pc duty cycle) | WLAN | 8.94 | ±9.6 |
| 10614 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) | WLAN | 8.59 | 19.6 |
| 10615 | AAD | IEEE 802.11ac WIFi (20 MHz, MCS8, 90pc duty cycle) | WLAN | 8.82 | 19.6 |
| 10618 | (JA,A,C) | IEEE 802.11ac WFI (40 MHz, MCS0, 90pc duty cycle) | WLAN: | 8.82 | ±9.6 |
| 10617 | CAA | IEEE 802.11ac WIFI (40 MHz, MCS1, 90pc duty cycle) | WLAN | 8.81 | 19.6 |
| 10618 | AAD | IEEE 802.11ac WIFI (40 MHz, MCS2, 90pc duty cycle) | WLAN | 8.58 | ±9.6 |
| 10619 | AAD | IEEE 802.11ac WIFI (40 MHz, MCS3, 90pc duty cycle) | WLAN | 8.88 | 19.6 |
| 10620 | AAD | IEEE 802:11ac WIFi (40 MHz, MCS4, 90pc duty cycle) | WEAN | 8.87 | ±9.6 |
| 10621 | AAD | IEEE 802.11ac WIFI (40 MHz, MCS5, 90pc duty cycle) | WLAN | 8.77 | ±9.6 |
| 10622 | AAD | IEEE 802.11ac WIFi (40 MHz, MCS6, 90pc duty cycle) | WLAN | 8.68 | ±9.6 |
| 10623 | AAD | IEEE 802.11ac WIFi (40 MHz, MCS7, 90pc duty cycle) | WLAN | 8.82 | ±9.6 |
| 10624 | AAD | IEEE 802:11ac WIFI (40 MHz, MCS8, 90pc duty cycle) | WLAN | 8.96 | ±9.6 |
| 10625 | AAD | IEEE 802.11ac WIFI (40 MHz, MCS9, 90pc duty cycle) | WLAN | 8.96 | ±9.6 |
| 10626 | AAD | IEEE 802.11ac WIFI (80 MHz, MCS0, 90pc duty cycle) | WLAN | 8.83 | ±9.6 |
| 10827 | AAD | IEEE 802.11ac WIFI (80 MHz, MCS1, 90pc duty cycle) | WLAN | 8.88 | ±9.6 |
| 10628 | AAD | IEEE 802.11ac WIFI (80 MHz, MCS2, 90pc duty cycle) | WLAN | 8.71 | 19.6 |
| 10629 | AAD | IEEE 802.11ac WIFI (80 MHz, MCS3, 90pc duty cycle) | WLAN | 8.85 | ±9.6 |
| 10630 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) | WLAN. | 8.72 | ±9.6 |
| 10631 | AAD | IEEE 802.11sc WiFi (80 MHz, MCSS, 90pc duty cycle) | WLAN | 8.81 | 19.6 |
| 10632 | AAD | IEEE 802.11ac WiFI (80 MHz, MCS6, 90pc duty cycle) | WLAN | 8.74 | ±9.0 |
| 10633 | AAD | IEEE 802.11ac WIFI (80 MHz, MCS7, 90pc duty cycle) | WLAN | 8.83 | ±9.6 |
| 10634 | AAD | IEEE 802.11ac WIFI (80 MHz, MCSS, 90pc duty cycle) | WLAN | 8.80 | ±9:6 |
| 10635 | AAD | IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc duty cycle) | WLAN | 8.81 | ±9.6 |
| 10636 | AAE | IEEE 802.11ac WIFI (160 MHz, MCS0, 90pc duty cycle) | WLAN | 8.83 | ±9.6 |
| 10637 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) | WLAN. | 8.79 | ±9.6 |
| 10638 | AAE | IEEE 802.11ac WiFI (160 MHz, MCS2, 90pc duty cycle) | WLAN | 8.86 | ±9.6 |
| 10639 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) | WLAN | 8.85 | 29.6 |
| 10640 | AAE | IEEE 802.11ac WIFI (160 MHz, MCS4, 90pc duty cycle) | WLAN | 8.98 | ±9.6 |
| 10641 | AAE | IEEE 802:11ac WIFI (160 MHz, MCSS, 90pc duty cycle) | WLAN | 9.06 | ±9.6 |
| 10642 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle) | WLAN | 9.06 | ±9:6 |
| 10643 | AAE | IEEE 802.11ac WIFI (160 MHz, MCS7, 90pc duty cycle) | WLAN | 8.89 | ±9.6 |
| 10644 | AAE | IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc duty cycle) | WLAN | 9.05 | 19.6 |
| 10645 | AAE | IEEE 802.11ac WIFI (160 MHz, MCS9, 90pc duty cycle) | WLAN | 9.11 | ±9.6 |
| 10646 | AAH | LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, Ut. Subframe=2,7) | LTE-TDD | 11.96 | ±9.5 |
| 10647 | AAG | LTE-TDD (SC-FDMA, 1-R8, 20 MHz, QPSK, UL Subframe=2,7) | LTE-TOD | 11.96 | ±9.6 |
| 10648 | AAA | CDMA2000 (1x Advanced) | CDMA2000 | 3.45 | ±9.6 |
| 10652 | AAF | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-TOO | 6.91 | 19.6 |
| 10653 | AAF | LTE-TDD (OFDMA, 10MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.42 | 19.6 |
| 10654 | AAE | LTE-TDD (OFDMA, 15MHz, E-TM 3.1, Clipping 44%) | LTE-TDO | 6.96 | ±9.6 |
| 10855 | AAF | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-TDO | 7.21 | ±9.6 |
| 10658 | AAB | Pulse Waveform (200Hz, 10%) | Test | 10.00 | ±9.6 |
| 10699 | AAB | Pulse Waveform (200Hz, 20%) | Test | 6.99 | ±9.6 |
| 10660 | AAB | Pulse Waveform (200Hz, 40%) | Test | 3.98 | 19.6 |
| 10661 | AAB | Pulse Waveform (200Hz, 60%) | Tost | 5.55 | 19.6 |
| 10662 | AAB | Pulse Waveform (200Hz, 80%) | Test | 0.97 | ±9.6 |
| 10.670 | AAA | Bluetooth Law Energy | Bluetooth | 2.19 | 19.6 |
| 10671 | AAC | IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) | WLAN | 9.09 | 19.6 |
| 10672 | AAC | IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) | WLAN | 8.67 | ±9.6 |
| 10673 | AAC | IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) | WLAN: | 8.78 | 19.6 |
| 10674 | AAC | IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) | WLAN | 8.74 | ±9.6 |
| 10675 | AAC | IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) | WLAN | 8.90 | ±9.6 |
| 10676 | AAC | IEEE 802.11ax (20 MHz, MCSS, 90pc duty cycle) | WLAN | 8.77 | 19.6 |
| 10677 | AAC | IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) | WLAN | 8.73 | 19.6 |
| 10678 | AAC | IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) | WLAN | 8.78 | ±9.6 |
| 10679 | AAC | IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) | WLAN | 8.89 | ±9.6 |
| 10680 | AAC | IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) | WLAN | 8.80 | ±9.6 |
| 10681 | AAC | IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle) | WLAN | 8.62 | ±9.6 |
| | AAC | IEEE 802 11ax (20 MHz, MCS11, 90pc duty cycle) | WLAN | 8.83 | ±9.6 |
| 10682 | AAC | IEEE 802.11ex (20 MHz, MCS0, 99pc duty cycle) | WLAN | 8.42 | ±9.6 |
| - | LOVE | | | | |
| 10682 10683 10684 | AAC | IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle) | WLAN | 8.26 | ±9.6 |
| 10683 | Madas interest | IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle) | WLAN WLAN | 8.26 8.33 | ±9.6 |

Certificate No: EX-7370_Aug24

Page 17 of 22



| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|--------------------------|--------|--|--|----------|---|
| 10687 | AAC | IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 10688 | AAC | IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle) | WLAN | 8.29 | ±9.6 |
| 0.689 | AAC | IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle) | WLAN | 8.55 | ±9.6 |
| 0690 | AAC | IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle) | WLAN | 8.29 | ±9.6 |
| 0691 | AAC | IEEE 802.11ax (20 MHz, MCS8, 98pc duty cycle) | WLAN | 8.25 | ±9.6 |
| 0692 | AAC | IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle) | WLAN | 8.29 | ±9/8 |
| 10693 | AAC | IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle) | WLAN | 8.25 | ±9.6 |
| 0694 | AAC | IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle) | WLAN | 8.57 | ±9.5 |
| 10895 | AAC | IEEE 802, Flax (40 MHz, MCS0, 90pc duty cycle) | WLAN | 8.78 | ±9.6 |
| 10696 | AAC | IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle) | WLAN | 8.91 | ±9.6 |
| 10697 | AAC | IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle) | WLAN | 8.61 | ±9.6 |
| 10898 | AAC | IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle) | WLAN | 8.89 | ±9.6 |
| 10689 | AAC | IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle) | WLAN | 8.82 | ±9.6 |
| 10700 | AAC | IEEE 802.11ax (40 MHz. MCS5, 90pc duty cycle) | WLAN | 8.73 | ±9.6 |
| 10701 | AAC | IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle) | WLAN | 8.86 | ±9.6 |
| 10702 | AAC | IEEE 802:11ax (40 MHz, MCS7, 90pc duty cycle) | WLAN | 8.70 | ±9.6 |
| 10703 | AAC | IEEE 802 11ax (40 MHz, MCSB, 90pc duty cycle) | WLAN | 8.82 | ±9.6 |
| 10704 | AAC | IEEE 802 11sx (40 MHz, MCS9, 90pc duty cycle) | WLAN | 8.56 | ±9.6 |
| 10705 | AAC | | WLAN | 8.69 | ±9.6 |
| the second second second | AAC | IEEE 802 11ax (40 MHz, MCS10, 90pc duty cycle) IEEE 802 11ax (40 MHz, MCS11, 90pc duty cycle) | WLAN | 8.66 | ±9.6 |
| 10706 | 100000 | A STATE OF THE STA | WLAN | 8.32 | 19.6 |
| 10707 | AAC | IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle) | The second secon | | Total Control of the |
| 10708 | AAC | IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) | WLAN | 8.55 | ±9.6 |
| 10709 | AAC | IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle) | WLAN | 8.33 | ±9.6 |
| 10710 | AAC | IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle) | WLAN | 8.29 | ±9.6 |
| 10711 | AAC | IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle) | WLAN | 8.39 | ±9.6 |
| 10712 | AAG | IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle) | WLAN | 8.67 | ±9.6 |
| 10713 | AAC | IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) | WLAN | 8.33 | ±9.6 |
| 10714 | AAC | IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle) | WLAN | 8.26 | ±9.6 |
| 10715 | AAC | IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 10716 | AAC | IEEE 832.11ax (40 MHz, MCS9, 99pc duty cycle) | WLAN | 8.30 | ±9.6 |
| 10717 | AAC | IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle) | WLAN | 8.48 | ±9.6 |
| 10718 | AAC | IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) | WLAN | 8.24 | ±9.6 |
| 10719 | AAC | IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle) | WLAN | 8.81 | ±9.6 |
| 10720 | AAC | IEEE 802:11ax (80 MHz, MCS1, 90pc duty cycle) | WLAN | 8.87 | ±9.6 |
| 10721 | AAC | IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle) | WLAN | 8.76 | ±9.6 |
| 10722 | AAC | IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) | WLAN. | 8.55 | ±9.6 |
| 10723 | AAC | IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle) | WLAN | 8.70 | ±9.6 |
| 10724 | AAC | IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) | WLAN | 8.90 | 29.6 |
| 10725 | AAC | IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) | WLAN | 8.74 | ±9.6 |
| 10726 | AAC | IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle) | WLAN | 8.72 | ±9.6 |
| 10727 | AAC | IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle) | WLAN | 8.66 | 29.6 |
| 10728 | AAC | IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) | WLAN | 8.65 | ±9.6 |
| 10729 | AAC | IEEE 802 11ax (80 MHz, MCS10, 90pc duty cycle) | WLAN | 8.64 | ±9.6 |
| 10730 | AAC | IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle) | WLAN | 8.67 | ±9.6 |
| 10731 | AAC | IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle) | WLAN | 8.42 | ±9.6 |
| 10732 | AAC | IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle) | WLAN | 8.46 | ±9.6 |
| 10733 | AAC | IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle) | WLAN | 8.40 | ±9.6 |
| 10.734 | AAC | IEEE 802,11ax (80 MHz, MCS3, 99pc duty cycle) | WLAN | 8.25 | ±9.6 |
| 10735 | AAC | IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle) | WLAN | 8.33 | ±9.6 |
| 10736 | AAG | IEEE 802.11as (80 MHz, MCS5, 99pc duty cycle) | WLAN | 8.27 | ±9.6 |
| 10737 | AAC | IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 0.738 | AAC | IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle) | WLAN | 8.42 | ±9.6 |
| 10739 | AAC | IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle) | WLAN | 8.29 | ±9.6 |
| 10740 | AAG | IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) | WLAN | 8.48 | ±9.6 |
| 0741 | AAC | IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) | WLAN | 8.40 | ±9.5 |
| 0742 | AAC | IEEE 802,11ax (80 MHz, MCS11, 99pc duty cycle) | WLAN | 8.43 | ±9.6 |
| 0743 | AAC | IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle) | WLAN | 8.94 | ±9.6 |
| 0744 | AAC | IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) | WLAN | 9.16 | 19.5 |
| 0745 | AAC | IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle) | WLAN | 8.63 | |
| 0746 | AAC | IEEE 902.11ax (160 MHz, MCS3, 90pc duty cycle) | and the long little and little and the long little and the long little and the long li | | ±9.6 |
| 0747 | AAC | IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle) | WLAN | 9.11 | ±9.6 |
| 0748 | AAC | IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) | WLAN | 9.04 | ±9.8 |
| 10749 | AAC | | WLAN | 8.93 | 19.6 |
| | | IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle) | WLAN | 8.90 | ±9.6 |
| 10750 | AAC | IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle) | WLAN | 8.79 | ±9.6 |
| 10751 | AAC | IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) | WLAN | 8.82 | 19.8 |
| 10752 | AAC | IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle) | WLAN | 0.81 | 19.6 |

Certificate No: EX-7370_Aug24

Page 18 of 22

F-TP22-03 (Rev. 06) Page 40 of 240



| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^{II} k = |
|--------|------|--|---------------|----------|-----------------------|
| 10753 | AAC | IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle) | WLAN | 9.00 | ±9.6 |
| 0.754 | AAC | IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle) | WLAN | 8.94 | ±9.6 |
| 10795 | AAC | IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle) | WLAN | 8.64 | ±9.6 |
| 10756 | AAC | IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle) | WLAN | 8.77 | ±9.6 |
| 10757 | AAC | IEEE 802.11ax (160 MHz, MCS2, 98pc duty cycle) | WLAN | 8.77 | ±9.6 |
| 10758 | AAC | IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle) | WLAN | 8.69 | ±9.6 |
| 10759 | AAC | IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle) | WLAN | 8.58 | ±9.6 |
| 10760 | AAC | IEEE 802.11ax (160 MHz, MCSS, 99pc duty cycle) | WLAN | 8,49 | ±9.6 |
| 10761 | AAC | IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle) | WLAN | 8.58 | ±9.6 |
| 10762 | AAC | IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle) | WLAN | 8,49 | ±9.6 |
| 10763 | AAC | IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle) | WLAN | 8.53 | ±9.6 |
| 10764 | AAC | IEEE 802.11ax (160 MHz, MCS8, 98pc duty cycle) | WLAN | 8.54 | ±9.6 |
| 10765 | AAC | IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle) | WLAN | 8.54 | ±9.6 |
| 10766 | AAC | IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle) | WLAN | 8.51 | ±9.6 |
| 10767 | AAG | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 7.99 | ±9.6 |
| 10768 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ±9.6 |
| 10769 | AAD | SG NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ±9.6 |
| 10770 | AAE | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ±9.6 |
| 10771 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ±9,6 |
| 10772 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.23 | ±9.6 |
| 10773 | AAF | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.03 | ±9.6 |
| 10774 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | 5G NA FR1 TDD | 8.02 | ±9.6 |
| 10775 | AAF | 5G NR (CP-OFDM, 50% RB; 5MHz, QPSK, 15kHz) | SG NR FR1 TOD | 8.31 | ±9.6 |
| 10776 | AAE | 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, 15MHz, QPSK, 15kHz) | 5G NR FR1 TDD | 8.30 | ±9.6 |
| 10778 | AAE | 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, 25MHz, QPSK, 15kHz) | 5G NR FR1 TDD | 8.42 | ±9.6 |
| 10780 | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 8G NR FR1 TDD | 8.38 | ±9.6 |
| 10781 | AAF | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.38 | ±9.6 |
| 10782 | AAE | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TOD | 8.43 | ±9.6 |
| 10783 | AAG | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 | ±9.6 |
| 10784 | AAE | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.29 | ±9.6 |
| 10785 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.40 | ±9.6 |
| 10786 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.35 | ±9.6 |
| 10787 | AAD | 5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15kHz) | 5G NR FR1 TDD | 8.44 | ±9.6 |
| 10788 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 50 NR FR1 TDD | 8.39 | ±9.6 |
| 10789 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDO | 8.37 | ±9.6 |
| 10790 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, GPSK, 15 kHz) | 5G NR FR1 TDO | 8.39 | ±9.6 |
| 10791 | AAG | 5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30kHz) | 5G NR FR1 TD0 | 7.83 | 19.6 |
| 10792 | AAE | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.92 | ±9.6 |
| 10793 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.95 | ±9.6 |
| 10.795 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ±9.6 |
| 10796 | AAE | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.84 | ±9.6 |
| 10797 | AAF | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ±9.6 |
| 10798 | AAE | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.01 | ±9.6 |
| 10798 | AAF | SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ±9.6 |
| 10801 | AAF | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | 19.6 |
| 10802 | AAE | 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 |
| 10803 | AAF | | 5G NR FR1 TOD | 7.87 | ±9.6 |
| 10805 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 KHz) 5G NR (CP-OFDM, 50% RP, 10 MHz, QPSK, 30 KHz) | 5G NR FR1 TOD | 7.93 | ±9.6 |
| 10806 | AAD | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ±9.6 |
| 10809 | AAE | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.37 | ±9.6 |
| 10810 | AAF | 5G NR (CP-OFDM, 50% RB, 30 MHz, OPSK, 30 kHz) 5G NR (CP-OFDM, 50% RB, 40 MHz, OPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ±9/6 |
| 10812 | AAF | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 50 NA FRI TOD | 8.34 | ±9.6 |
| 10817 | AAG | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ±9.6 |
| 0818 | AAE | | 5G NR FR1 TOD | 8.35 | ±9.6 |
| 10819 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | 19.5 |
| 10820 | AAE | 5G NR (CP-CFDM, 100% RB, 15MHz, CPSK, 30 kHz) | 5G NR FR1 TDD | 8.33 | ±9.6 |
| 10821 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.30 | ±9.6 |
| 10822 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | 19.6 |
| 10823 | AAF | | 50 NR FR1 TDD | 8.41 | 19.5 |
| 10824 | AAE | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 KHz) 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 KHz) | 5G NR FR1 TDD | 8.36 | ±9.6 |
| 10825 | AAF | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 50 NR FR1 TDD | 8.39 | 19.6 |
| 10825 | AAF | 50 NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ±9.6 |
| 0828 | AAE | | 5G NR FR1 TDD | 8.42 | ±9.6 |
| | MALE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.43 | ±9.6 |

Certificate No: EX-7370_Aug24

Page 19 of 22



EX3DV4 - SN:7370

August 22, 2024

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc* k = 2 |
|----------------------|-----|--|---------------|----------|------------|
| 10829 | AAF | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.40 | ±9.6 |
| 10830 | AAE | 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, 15MHz, QPSK, 68kHz) | 50 NR FR1 TDD | 7.73 | 19.5 |
| 10832 | AAE | 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 TOD | 7.70 | ±9.6 |
| 10834 | AAE | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.75 | ±9.6 |
| 10835 | AAF | 5G NR (CP-OFDM, 1 R8, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ±9.6 |
| 10836 | AAE | 5G NR (CP-OFDM, 1 R8, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.68 | ±9.6 |
| 10837 | AAF | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.68 | ±9.6 |
| 10839 | AAF | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) | 50 NR FR1 TDD | 7.70 | ±9.8 |
| 10840 | AAE | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.67 | ±9.6 |
| 10841 | AAF | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TOD | 7.71 | ±9.6 |
| 10843 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) | 50 NR FRI TOD | 8.49 | 19.6 |
| 10844 | AAE | SG NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FRI TDD | 8.34 | ±9.6 |
| Australia (anticipi) | AAE | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz) | 50 NR FR1 TOD | 8.41 | ±9.6 |
| 10846 | AAE | A CONTRACTOR OF THE PROPERTY O | 5G NR FR1 TOD | 8.34 | ±9.6 |
| 10854 | - | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 80 kHz) | 5G NR FR1 TDD | 8.36 | ±9.6 |
| 10855 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 80 kHz) | | | |
| 10856 | AAE | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 80 kHz) | 5G NR FR1 TDD | 8.37 | ±9.6 |
| 10857 | AAD | 50 NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.35 | ±9.6 |
| 10858 | AAE | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.36 | ±9.6 |
| 10859 | AAF | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ±9.6 |
| 10860 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ±9.6 |
| 10861 | AAF | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.40 | ±9.6 |
| 10863 | AAF | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) | SG 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 | AAF | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ±9.6 |
| 10866 | AAF | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | #9.6 |
| 10868 | AAF | 5G NR (DFT-s-OFDM, 100% RB, 100MHz, QPSK, 30kHz) | 5G NR FR1 TDD | 5.89 | ±9:6 |
| 10869 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 128 kHz) | 5G NR FR2 TDD | 5.75 | ±9.6 |
| 10870 | AAE | 5G NR (DFT-e-OFDM, 100% R8, 100MHz, QPSK, 120kHz) | 5G NR FR2 TDD | 5.86 | 19.6 |
| 10871 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 18QAM, 120 kHz) | 5G NR FR2 TDD | 5.75 | ±9.6 |
| 10872 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52 | ±9.6 |
| 10873 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ±9.6 |
| 10874 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 54QAM, 120 kHz) | 5G NR FR2 TDD | 5.65 | ±9.6 |
| 10875 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ±9.6 |
| 10876 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.39 | ±9.6 |
| 10877 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 7.95 | ±9.6 |
| 10878 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ±9.6 |
| 10879. | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | SG NR FR2 TDD | 8.12 | ±9.6 |
| 10880 | AAE | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.38 | ±9.6 |
| 10881 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ±9.6 |
| 10882 | AAE | 5G NR (DFT-e-OFDM, 100% RB, 50MHz, QPSK, 120kHz) | 5G NR FR2 TDD | 5.96 | ±9.6 |
| 10883 | AAE | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 15QAM, 120 kHz) | 5G NR FR2 TDD | 6.57 | ±9.6 |
| 10884 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.53 | ±9.6 |
| 10885 | AAE | 5G NR (DFT-e-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ±9.6 |
| 10886 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ±9.6 |
| 10887 | AAE | 5G NR (CP-OFDM, 1 R8, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | 19.6 |
| 10888 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.35 | ±9.6 |
| 10889 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 128 kHz) | 5G NR FR2 TDD | 8.02 | 012701 |
| 10890 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | | ±9.6 |
| 10891 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | | 8.40 | ±9.6 |
| 10892 | AAE | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 KHz) | 50 NR FR2 TDD | 8.13 | ±9.6 |
| 10.897 | AAE | | 5G NR FR2 TDD | 8.41 | ±9.6 |
| 10.898 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | 19.6 |
| 10899 | AAB | 5G NR (DFT+-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR (DFT+-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 50 NR FR1 TDD | 5.67 | ±9.6 |
| 10900 | | | 50 NR FR1 TDD | 5.67 | ±9.6 |
| - | AAC | | 5G NR FR1 TDD | 5.68 | ±9-6 |
| 10901 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 25MHz, QPSK, 30kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 |
| 10902 | AAC | SG NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 50 NR FR1 TDD | 5.68 | ±9.5 |
| 10903 | AAD | 5G NR (DFT-s-OFDM, 1 R8, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 |
| 10904 | AAC | 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 | ±9.5 |
| 10906 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 |
| 10907 | AAE | 5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 38 kHz) | 5G NR FR1 TDD | 5.78 | ±9.6 |
| 10908 | AAC | 5G NR (DFTs-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 50 NR FR1 TD0 | 5.93 | ±9.6 |
| 10909 | BAA | 5G NR (DFT-s-OFDM, 50% RB, 15MHz, QPSK, 30kHz) | 5G NR FR1 TDD | 5.96 | ±9.6 |
| 10910 | AAC | 5G NR (DFTs-OFDM, 50% RB, 20MHz, QPSK, 30 kHz) | 50 NR FR1 TDD | 5.83 | 19.6 |

Certificate No: EX-7370_Aug24

Page 20 of 22



| UID | Rev | Communication System Name | Group | PAR (dB) | Unch k = 2 |
|-------|-----|---|---------------|----------|------------|
| 10911 | AAB | 5G NR (DFT-e-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ±9.6 |
| 10912 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 50 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 | AAC | 5G NR (DFT-e-OFOM, 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) | SG NR FR1 TDD | 5.83 | ±9.6 |
| 10916 | AAD | 5G NR (DFT a OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | ±9.6 |
| 10917 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ±9.6 |
| 10918 | AAE | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDO | 5.86 | ±9.6 |
| 10919 | AAC | 5G NR (DFT-e-OFOM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | 19.6 |
| 10920 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TD0 | 5.87 | ±9.6 |
| 10921 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6 |
| 10922 | BAA | 5G NR (DFT-e-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDO | 5.82 | ±9.6 |
| 0923 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | 49.6 |
| 0.924 | AAD | 5G NR (DFT:s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDO | 5.84 | ±9.6 |
| 0925 | AAC | 5G NR (DFT-e-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TD0 | 5.95 | ±9.6 |
| 0928 | AAD | SG NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | SG NR FR1 TDD | 5.84 | ±9.6 |
| 0.927 | AAD | 5G NR (DFT-a-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TD0 | 5,94 | ±9.6 |
| 0928 | AAD | 5G NR (DFT-e-OFDM, 1 RB, 5MHz, QPSK, 15kHz) | 5G NR FR1 FD0 | 5.52 | ±9.6 |
| 0929 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10MHz, QPSK, 15kHz) | 5G NR FR1 FD0 | 5.52 | ±9.6 |
| 0930 | AAC | 5G NR (DFT-e-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FD0 | 5.52 | ±9.6 |
| 0931 | AAC | 5G NR (DFT-e-OFDM, 1 RB, 20MHz, QPSK, 15kHz) | 5G NR FR1 FDD | 5.51 | 19.6 |
| 0932 | AAC | SG NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ±9.8 |
| 0933 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ±9.6 |
| 0934 | AAC | SG NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 50 NR FR1 FDD | 5,51 | ±9.6 |
| 0935 | AAD | SG NR (DFT-s-OFDM, 1 R8, 50MHz, QPSK, 15kHz) | 5G NR FR1 FDD | 8.61 | 19.6 |
| 0.936 | AAD | SG NR (DFT-e-OFDM, 50% RB, 5MHz, QPSK, 15kHz) | 5G NR FR1 FDD | 5.90 | ±9.6 |
| 0937 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.77 | ±9.6 |
| 0938 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ±9.6 |
| 0930 | AAC | SG NR (DFT-e-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.82 | ±9.6 |
| 0940 | AAC | 5G NR (DFT-e-OFDM, 50% RB; 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.89 | ±9.6 |
| 0941 | AAC | SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ±9.6 |
| 0942 | AAC | SG NR (DFT a OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ±9.6 |
| 0943 | AAD | 5G NR (DFT-e-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.95 | ±9.6 |
| 0944 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.81 | ±9.6 |
| 0945 | AAD | 5G NR (DFT:s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ±9.6 |
| 0946 | AAC | SG NR (DFT-e-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ±9.6 |
| 0947 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ±9.6 |
| 0.948 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ±9.6 |
| 0949 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ±9.6 |
| 0950 | AAC | 5G NR (DFT-e-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ±9.6 |
| 0951 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 NHz) | 5G NR FR1 FDD | 5.92 | ±9.6 |
| 0952 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) | 5G NR FR1 FD0 | B.25 | 19.6 |
| 0953 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 84-QAM, 15 kHz) | SG NR FR1 FDD | 8.15 | ±9.6 |
| 0954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) | 5G NR FR1 FD0 | 8.23 | 19.6 |
| 0955 | AAA | SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FD0 | B.42 | ±9.6 |
| 0956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FD0 | 8.14 | ±9.6 |
| 0957 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FD0 | 8.31 | ±9.6 |
| 0958 | AAA | 5G NR DL (CP-OFDM, TM 3:1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.61 | 19.6 |
| 0.959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FD0 | 8.33 | ±9.6 |
| 0960 | AAE | 5G NR.DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) | SG NR FR1 TDD | 9.32 | ±9.6 |
| 0961 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TD0 | 9.36 | ±9.6 |
| 0962 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) | 5G NR FR1 TDD | 9.40 | ±9.6 |
| 0963 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 84-QAM, 15 kHz) | 5G NR FR1 TDD | 9.55 | ±9.6 |
| 0964 | AAE | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.29 | ±9.6 |
| 0965 | AAC | 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 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.42 | ±9.6 |
| 0968 | AAD | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 84-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49 | ±9.6 |
| 0972 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TD0 | 11.59 | ±9.6 |
| 0973 | AAD | 5G NR (DFT-s-OFOM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 9.06 | 19.6 |
| 0974 | AAD | 5G NR (CP-OFOM, 100% RB, 100 MHz, 256-QAM, 30 kHz) | 5G NA FR1 TDD | 10.26 | ±9.6 |
| 0978 | AAA | ULLA BOR | ULLA | 1.16 | ±9.6 |
| 0979 | AAA | ULLA HDR4 | ULLA | 8.58 | 19.6 |
| 0980 | AAA | ULLA HDR8 | ULLA | 10.32 | ±9.6 |
| 0981 | AAA | ULLA HDRp4 | ULLA | 3.19 | 19.5 |
| 0982 | AAA | ULLA HDRp8 | ULLA | 3.43 | ±9.6 |

Certificate No: EX-7370_Aug24

Page 21 of 22



| UID | Rev | Communication System Name | Group | PAR (dB) | UncE k = 2 |
|-------|------|---|---------------|----------|------------|
| 10983 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.31 | ±9.6 |
| 10984 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9,42 | ±9.6 |
| 10985 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.54 | ±9.6 |
| 10986 | AAB | 5G NR DL /CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | SG NR FR1 TDD | 9.50 | ±9.6 |
| 10987 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz) | 6G NR FR1 TDD | 9.53 | ±9.6 |
| 10988 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.38 | ±9.6 |
| 10989 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.33 | ±9.6 |
| 10990 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9,52 | ±9.6 |
| 11003 | AAA. | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 54-QAM, 15 kHz) | 5G NR FR1 TDD | 10.24 | ±9.6 |
| 11004 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 10.73 | ±9.6 |
| 11005 | AAA | 5G NR Dt. (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.70 | ±9.6 |
| 11008 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.55 | ±9.6 |
| 11007 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.46 | 19.6 |
| 11008 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 50 NR FR1 FDD | B.51 | ±9.6 |
| 11009 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.76 | ±9.5 |
| 11010 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.95 | ±9.6 |
| 11011 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.96 | ±9.6 |
| 11012 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.68 | ±9.6 |
| 11013 | AAB | IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle) | WLAN | 8.47 | ±9.6 |
| 11014 | AAB | IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 11015 | AAB | IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle) | WLAN | 8.44 | ±9.6 |
| 11016 | AAB | IEEE 802 11be (320 MHz, MCS4, 99pc duty cycle) | WLAN | 8.44 | ±9.6 |
| 11017 | AAB | IEEE 802.11be (320 MHz, MCSS, 99pc duty cycle) | WLAN | 8.41 | ±9.6 |
| 11018 | AAB | IEEE 802 11be (320 MHz, MCS6, 99pc duty cycle) | WLAN | 8.40 | ±9.6 |
| 11019 | AAB | IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle) | WLAN | 8.29 | ±9.6 |
| 11020 | AAB | IEEE 802 11be (320 MHz, MCS8, 99pc duty cycle) | WLAN | 8.27 | ±9.6 |
| 11021 | AAB | IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle) | WLAN | 8.46 | ±9.6 |
| 11022 | AAB | IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle) | WLAN | 8.35 | ±9.6 |
| 11023 | AAB | IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle) | WLAN | 8.09 | ±9.6 |
| 11024 | BAA | IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle) | WLAN | 8.42 | ±9.6 |
| 11025 | AAB | IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle) | WLAN | 8.37 | ±9.6 |
| 11026 | BAA | IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle) | WLAN | 8.39 | ±9.6 |

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

Certificate No: EX-7370_Aug24 Page 22 of 22



Calibration Laboratory of Schmid & Partner Engineering AG





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

S Swiss Calibration Service

Zeughausstrasse 43, 8004 Zurich, Switzerland

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

Accreditation No.: SCS 0108

Client

HCT

Gyeonggi-do, Republic of Korea

Certificate No.

ES-3076_Jul24

| CALIBRATION CE | 至 9 |)e U | 12. | |
|--------------------------------|--|-----------------------------------|-----------------|---------------------|
| Object | ES3DV3 - SN:3076 | 제) 제 제 () 제 제 () 제 제 () | 1.00.5 | 2014.98.5 |
| Calibration procedure(s) | QA CAL-01.v10, QA CAl Calibration procedure for | | | CAL-25.v8 |
| Calibration date | July 17, 2024 | | | |
| | cuments the traceability to national sta noertainties with confidence probability | | | |
| All calibrations have been con | nducted in the closed laboratory facility | v: environment temperatu | ure (22 ± 3) °C | and humidity < 70%. |

| Primary Standards | ID | Cal Date (Certificate No.) | Scheduled Calibration |
|----------------------------|------------------|-----------------------------------|-----------------------|
| Power meter NRP2 | SN: 104778 | 26-Mar-24 (No. 217-04036/04037) | Mar-25 |
| Pawer sensor NRP-Z91 | SN: 103244 | 26-Mar-24 (No. 217-04036) | Mar-25 |
| OCP DAK-3.5 (weighted) | SN: 1249 | 05-Oct-23 (OCP-DAK3.5-1249_Oct23) | Oct-24 |
| OCP DAK-12 | SN: 1016 | 05-Oct-23 (OCP-DAK12-1016_Oct23) | Oct-24 |
| Reference 20 dB Attenuator | SN: CC2552 (20x) | 26-Mar-24 (No. 217-04046) | Mar-25 |
| DAE4 | SN: 660 | 23-Feb-24 (No. DAE4-660_Feb24) | Feb-25 |
| Reference Probe FX3DV4 | SN: 7349 | 03-Jun-24 (No. EX3-7349 Jun24) | Jun-25 |

| ID | Check Date (in house) | Scheduled Check |
|------------------|---|--|
| SN: GB41293874 | 08-Apr-16 (in house check Jun-24) | In house check: Jun-26 |
| SN: MY41498087 | 08-Apr-16 (in house check Jun-24) | In house check: Jun-26 |
| SN: 000110210 | 06-Apr-16 (in house check Jun-24) | In house check: Jun-26 |
| SN: US3642U01700 | 84-Aug-99 (in house check Jun-24) | In house check: Jun-26 |
| SN: US41080477 | 31-Mar-14 (in house check Oct-22) | In house check: Oct-24 |
| | SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 | SN: GB41293874 06-Apr-16 (in house check Jun-24) SN: MY41498087 06-Apr-16 (in house check Jun-24) SN: 000110210 06-Apr-16 (in house check Jun-24) SN: US3642U01700 04-Aug-99 (in house check Jun-24) |

| | Name | Function | Signature |
|---------------|----------------|-----------------------|-----------------------|
| Calibrated by | Joanna Lieshaj | Laboratory Technician | Heller |
| Approved by | Sven Kühn | Technical Manager | A. A. Add |
| | | | Issued: July 17, 2024 |

Certificate No: ES-3076_Jul24

Page 1 of 21



Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

ILAC MRA



- S Schweizerischer Kalibrierdienst
 C Service suisse 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

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 σ 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., θ = 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 θ = 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 ≤ 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).

Certificate No: ES-3076_Jul24

Page 2 of 21



July 17, 2024

Parameters of Probe: ES3DV3 - SN:3076

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k = 2) |
|---------------------------------|----------|----------|----------|-------------|
| Norm (µV/(V/m) ²) A | 1.32 | 1.25 | 1.20 | ±10.1% |
| DCP (mV) B | 101.9 | 102.1 | 102.1 | ±4.7% |

Calibration Results for Modulation Response

| UID | Communication System Name | | dB | B dB√μV | С | D dB | VR mV | Max dev. | Max Unc ^E k = 2 |
|-------|---|---|-------|------------|-------|---------|----------|-------------|----------------------------------|
| Ô | CW | X | 0.00 | 0.00 | 1.00 | 0.00 | 127.1 | ±1.0% | ±4.7% |
| | | Y | 0.00 | 0.00 | 1.00 | | 146.2 | | |
| | | Z | 0.00 | 0.00 | 1.00 | | 128.0 | | |
| 10352 | Pulse Waveform (200Hz, 10%) | X | 12.00 | 84.86 | 23.40 | 10.00 | 60.0 | ±1.6% | ±9.6% |
| | , | Y | 12.71 | 86.06 | 23.75 | | 60.0 | | |
| | | Z | 12.89 | 86.43 | 23.51 | | 60.0 | | |
| 10353 | Pulse Waveform (200Hz, 20%) | X | 20.00 | 94.47 | 25.05 | 6.99 | 80.0 | ±3.1% | ±9.6% |
| | , | Y | 20.00 | 94.27 | 24.83 | | 80.0 | | |
| | | Z | 20.00 | 94.04 | 24.40 | | 80.0 | | |
| 10354 | Pulse Waveform (200Hz, 40%) | X | 20.00 | 96.06 | 23.77 | 3.98 | 95.0 | ±3.9% | ±9.6% |
| | | Y | 20.00 | 95.83 | 23.56 | | 95.0 | | |
| | | Z | 20.00 | 95.64 | 23.24 | | 95.0 | | |
| 10355 | Pulse Waveform (200Hz, 60%) | X | 20.00 | 99.49 | 23.75 | 2.22 | 120.0 | ±3.9% | ±9.6% |
| | | Y | 20.00 | 98.93 | 23.37 | ĺ | 120.0 | | |
| | | Z | 20.00 | 99.03 | 23.24 | 1 | 120.0 | | |
| 10387 | QPSK Waveform, 1 MHz | X | 1.99 | 66.77 | 15.89 | 1.00 | 150.0 | ±1.7% | ±9.6% |
| | | Y | 1.82 | 65.56 | 15.02 | 1 | 150.0 | | |
| | | 2 | 1.88 | 66.42 | 15.54 | 1 | 150.0 | | |
| 10388 | QPSK Waveform, 10 MHz | X | 2.68 | 70.02 | 16.57 | 0.00 | 150.0 | ±1.1% | ±9.6% |
| | | Y | 2.39 | 68.29 | 15.65 | ĺ | 150.0 | ĺ | |
| | | Z | 2.51 | 69.30 | 16.23 | | 150.0 | | |
| 10396 | 64-QAM Waveform, 100 kHz | X | 4.43 | 75.25 | 20.98 | 3.01 | 150.0 | ±0.5% | ±9.6% |
| | | Y | 4.27 | 74.93 | 20.63 | 1 | 150.0 | | |
| | | Z | 4.40 | 75.59 | 21.06 | 1 | 150.0 | | |
| 10399 | 64-QAM Waveform, 40 MHz | X | 3.69 | 67.61 | 16.00 | 0.00 | 150.0 | ±1.2% | ±9.6% |
| | | Y | 3.48 | 66.67 | 15.45 | 1 | 150.0 | | |
| | | Z | 3.57 | 67.18 | 15.78 | 1 | 150.0 | | |
| 10414 | WLAN CCDF, 64-QAM, 40 MHz | X | 5.12 | 65.83 | 15.60 | 0.00 | 150.0 | ±2.9% | ±9.6% |
| | | Y | 4.94 | 65.30 | 15.26 | | 150.0 | | |
| | | Z | 4.97 | 65.53 | 15.44 | 1 | 150.0 | 1 | |

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%.

Certificate No: ES-3076_Jul24

Page 3 of 21

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

⁸ Linearization parameter uncertainty for maximum specified field strongth.

⁶ Uncertainty is determined using the max, deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



Parameters of Probe: ES3DV3 - SN:3076

Sensor Model Parameters

| | C1 fF | C2 fF | α V-1 | T1 ms V ⁻² | T2 ms V ⁻¹ | T3 ms | T4 V-2 | T5 V-1 | T6 |
|---|----------|----------|----------|--------------------------|--------------------------|----------|-----------|-----------|------|
| X | 72.9 | 519.68 | 34.93 | 29.88 | 3.58 | 5.10 | 0.70 | 0.63 | 1.01 |
| У | 66.1 | 470.82 | 34.84 | 29.86 | 3.41 | 5.10 | 1.42 | 0.47 | 1.01 |
| Z | 64.1 | 456.86 | 34.91 | 29.67 | 2.95 | 5.10 | 1.24 | 0.51 | 1.01 |

Other Probe Parameters

| Sensor Arrangement | Triangular |
|---|------------|
| Connector Angle | -37.0° |
| Mechanical Surface Detection Mode | enabled |
| Optical Surface Detection Mode | disabled |
| Probe Overall Length | 337 mm |
| Probe Body Diameter | 10 mm |
| Tip Length | 10 mm |
| Tip Diameter | 4 mm |
| Probe Tip to Sensor X Calibration Point | 2 mm |
| Probe Tip to Sensor Y Calibration Point | 2 mm |
| Probe Tip to Sensor Z Calibration Point | 2 mm |
| Recommended Measurement Distance from Surface | 3 mm |

Certificate No: ES-3076_Jul24



July 17, 2024 ES3DV3 - SN:3076

Parameters of Probe: ES3DV3 - SN:3076

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 ^H (k = 2) |
|----------------------|---------------------------------------|------------------------------------|---------|---------|---------|--------------------|----------------------------|-----------------------------|
| 6 | 55.0 | 0.75 | 4.85 | 5.13 | 5.54 | 0.00 | 2.00 | ±13.3% |
| 13 | 55.0 | 0.75 | 5.39 | 5.70 | 6.16 | 0.00 | 2.00 | ±13.3% |
| 750 | 41.9 | 0.89 | 5.61 | 6.03 | 6.02 | 0.32 | 2.18 | ±11.0% |
| 835 | 41.5 | 0.90 | 5.51 | 5.92 | 5.91 | 0.32 | 2.18 | ±11.0% |
| 900 | 41.5 | 0.97 | 5.39 | 5.80 | 5.78 | 0.32 | 2.18 | ±11.0% |
| 1750 | 40.1 | 1.37 | 4.80 | 5.16 | 5.15 | 0.31 | 2.07 | ±11.0% |
| 1900 | 40.0 | 1.40 | 4.69 | 5.04 | 5.03 | 0.31 | 1.82 | ±11.0% |
| 2300 | 39.5 | 1.67 | 4.60 | 4.94 | 4.93 | 0.31 | 1.99 | ±11.0% |
| 2450 | 39.2 | 1.80 | 4.46 | 4.80 | 4.79 | 0.31 | 1.98 | ±11.0% |
| 2600 | 39.0 | 1.96 | 4.32 | 4.65 | 4.64 | 0.31 | 1.80 | ±11.0% |

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 Corn/F 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 Corn/F assessments at 30, 64, 128, 180 and 220 MHz respectively. Validity of Corn/F assessed at 6 MHz is 4–9 MHz, and Corn/F assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ε and σ by less than ±5% from the target values (typically better than ±3%) and are valid for TSL, with deviations of up to ±10% if SAR correction is applied.

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 3–8 GHz at any distance larger than half the probe tip diameter from the boundary.

boundary.

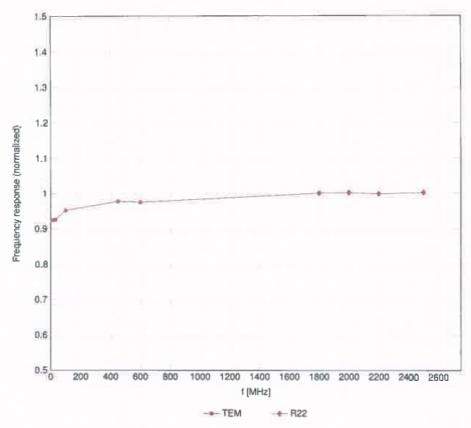
H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.





Frequency Response of E-Field

(TEM-Cell:Ifi110 EXX, Waveguide:R22)



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

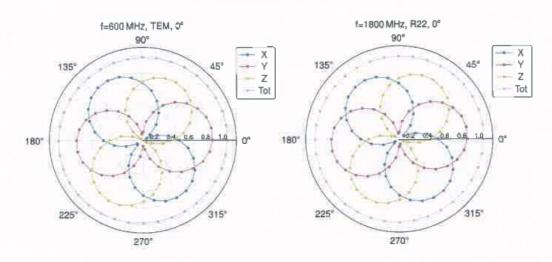
Certificate No: ES-3076_Jul24 Page 6 of 21

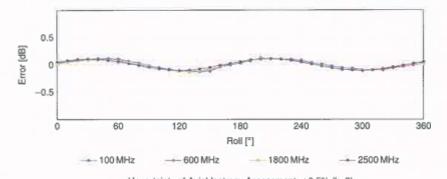
F-TP22-03 (Rev. 06) Page 50 of 240





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



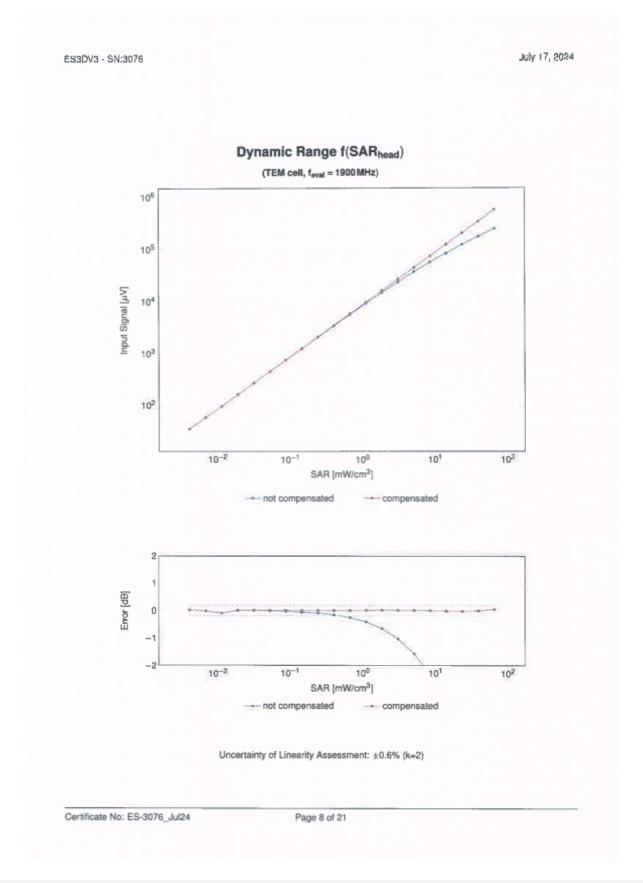


Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

Certificate No: ES-3076_Jul24 Page 7 of 21

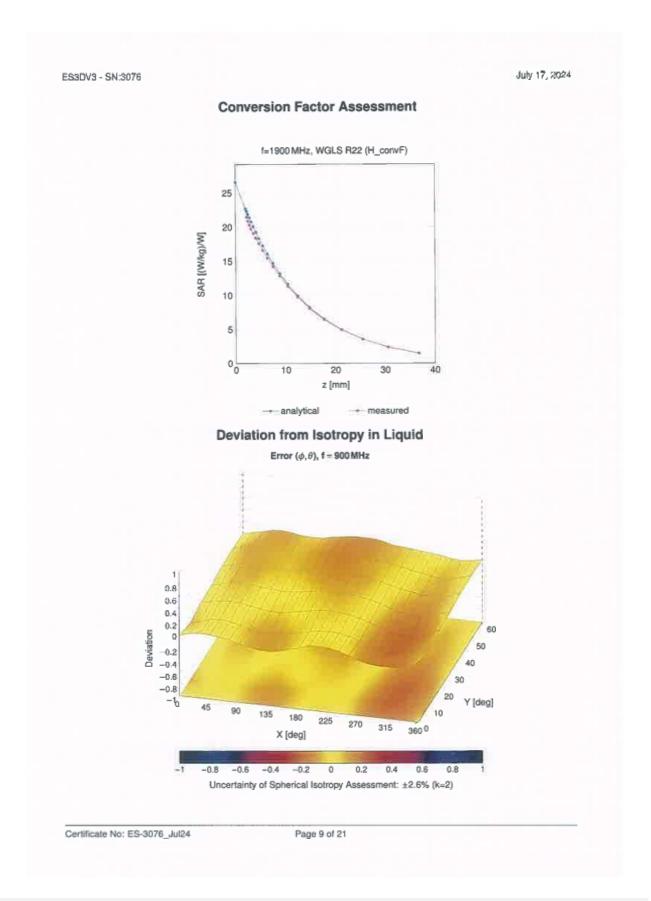
F-TP22-03 (Rev. 06) Page 51 of 240





F-TP22-03 (Rev. 06) Page 52 of 240





F-TP22-03 (Rev. 06) Page 53 of 240



Appendix: Modulation Calibration Parameters

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|------|-----|---|----------------------|--|----------------------|
| 0 | | CW | CW | 0.00 | ±4.7 |
| 0010 | CAB | SAR Validation (Square, 100 ms, 10 ms) | Test | 10.00 | ±9.6 |
| 0011 | CAC | UMTS-FDD (WCDMA) | WCDMA | 2.91 | ±9.6 |
| 0012 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps) | WLAN | 1.87 | ±9.6 |
| 0013 | CAB | IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 6 Mbps) | WLAN | 9.46 | ±9.6 |
| 0021 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ±9.6 |
| 0023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | ±9.6 |
| 0024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 6.56 | ±9.6 |
| 0025 | 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 |
| 028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) | GSM | 3.55 | ±9.6 |
| 0029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2) | GSM | 7.78 | ±9.6 |
| 0030 | CAA | 1EEE 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 |
| | | IEEE 802.15.1 Bluetooth (Pl/4-DQPSK, DH1) | Bluetooth | 7.74 | 19.6 |
| 0033 | CAA | | | 4.53 | Total Column |
| 0034 | CAA | IEEE 802.15.1 Bluetooth (PW4-DQPSK, DH3) | Bluetooth | 3.83 | ±9.6 |
| 0035 | CAA | IEEE 802.15.1 Bluetooth (Pt/4-DQPSK, DH5) | Bluetooth | The second secon | ±9.6 |
| 0036 | CAA | IEEE 802.15.1 Bluetcoth (8-DPSK, DH1) | Bluetooth | 8.01 | ±9.6 |
| 0037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Bluetooth | 4,77 | ±9.6 |
| 9038 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5) | Bluetooth | 4,10 | ±9/6 |
| 0039 | CAB | CDMA2000 (1xRTT, RC1) | CDMA2000 | 4.57 | ±9.6 |
| 0042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PV4-DQPSK, Halfrate) | AMPS | 7.78 | ±9.6 |
| 0044 | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM) | AMPS | 0.00 | ±9.6 |
| 3048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | DECT | 13.80 | ±9.6 |
| 0049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Stot, 12) | DECT | 10.79 | ±9.6 |
| 0056 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps) | TD-SCDMA | 11.01 | ±9.6 |
| 0058 | DAC | EDGE-FDO (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | ±9.6 |
| 0059 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps) | WLAN | 2.12 | ±9.6 |
| 0000 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps) | WLAN | 2.83 | 19.6 |
| 0081 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps) | WLAN | 3.60 | ±9.6 |
| 0062 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) | WLAN | 8.68 | ±9.6 |
| 0063 | CAE | IEEE 802.11a/h WiFl 5 GHz (OFDM, 9 Mbps) | WLAN | 8.63 | ±9.6 |
| 0064 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) | WLAN | 9.09 | ±9.6 |
| 0065 | CAE | IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps) | WLAN | 9.00 | ±9.6 |
| 0086 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps) | WLAN | 9.38 | ±9.6 |
| 0067 | CAE | IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps) | WLAN | 10.12 | ±9.6 |
| 0088 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | ±9.6 |
| 0000 | CAE | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) | WLAN | 10.56 | ±9.6 |
| 0071 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps) | WLAN | 9.83 | 10000000 |
| 0072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | a Angladada Januara | | ±9.6 |
| 0072 | CAB | IEEE 802.11g WFI 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.62 | ±9.6 |
| 0074 | CAB | | Magazinach | | ±9.6 |
| 0074 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 24 Mbps) | WLAN | 10.30 | ±9.6 |
| | | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 36 Mbps) | WLAN | 10.77 | ±9.6 |
| 0076 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 48 Mbps) | WLAN | 10.94 | ±9.6 |
| 0077 | CAB | IEEE 802.11g WiFt 2.4 GHz (DSSS/OFDM, 54 Mbps) | WLAN | 11.00 | ±9.6 |
| 0081 | CAB | CDMA2000 (1xRTT, RC3) | CDMA2000 | 3.97 | ±9.6 |
| 0082 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, Pl/4-DQPSK, Fulkate) | AMPS | 4.77 | ±9.6 |
| 0090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 6.56 | ±9.6 |
| 0097 | CAC | UMTS-FOD (HSDPA) | WCDMA | 3.98 | ±9.6 |
| 0098 | CAC | UMTS-FDD (HSUPA, Subtest 2) | WCDMA | 3.98 | ±9.6 |
| 1033 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | GSM | 9.55 | ±9.6 |
| 100 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-FDD | 5.67 | ±9.6 |
| 1101 | CVE | LTE-FDD (SC-FDMA, 100% RB, 20MHz, 16-QAM) | LTE-FDD | 6.42 | ±9.6 |
| 0102 | CAF | LTE-FDD (SC-FDMA, 100% RB, 20MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.6 |
| 0103 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20MHz, QPSK) | LTE-TOD | 9.29 | ±9.6 |
| 0104 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.97 | ±9/6 |
| 0105 | CAH | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.01 | ±9.6 |
| 0108 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-FDO | 5.80 | ±9.6 |
| 0109 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-FD0 | 6.43 | ±9.6 |
| 0110 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-FDD | 5.75 | ±9.6 |
| | | are recited to a sum of the section | to the "Third late." | 0.70 | T9.0 |

Certificate No: ES-3076_Jul24

Page 10 of 21



| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|-------|-----------------------|--|--|----------|----------------------|
| 0112 | CAH | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-FOD | 6.59 | ±9.6 |
| 0113 | CAH | LTE-FDD (SC-FDMA, 100% RB, 5MHz, 64-QAM) | LTE-FDD | 6.62 | ±9.6 |
| | CAE | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) | WLAN | 8.10 | ±9.6 |
| 0114 | _ | (EEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | WLAN | 8.46 | ±9.6 |
| 0115 | CAE | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN | 8.15 | ±9.6 |
| 0116 | CAE | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8.07 | ±9.6 |
| 0117 | CAE | | WLAN | 8.59 | ±9.6 |
| 0118 | CAE | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | WLAN | 8.13 | ±9.6 |
| 0119 | CAE | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) | LTE-FDD | 8,49 | ±9.6 |
| 0140 | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.53 | ±9.6 |
| 0141 | CAF | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-FDD | 5.73 | ±9.6 |
| 0142 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-FDD | 6.35 | ±9.6 |
| 0143 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.65 | ±9.6 |
| 0144 | CAF | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | | | ±9.6 |
| 0145 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.76 | |
| 0146 | CAG | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.41 | ±9.6 |
| 0147 | CAG | LTE-FOD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.72 | ±9.6 |
| 0149 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-FOD | 6.42 | ±9.6 |
| 0150 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.6 |
| 0151 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-TDO | 9.28 | ±9.6 |
| 0152 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.92 | ±9.6 |
| 0153 | CAH | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.05 | ±9.6 |
| 0154 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-FDD | 5.75 | 49.6 |
| 0155 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 15-QAM) | LTE-FDD | 6.43 | ±9.6 |
| 0156 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-FDD | 5.79 | ±9.6 |
| 0157 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.49 | ±9.6 |
| 0158 | CAH | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.62 | ±9.6 |
| 10159 | CAH | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.56 | ±9.6 |
| 10160 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-FDD | 5.82 | ±9.6 |
| 10161 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.43 | ±9.6 |
| 10162 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 84-QAM) | LTE-FDD | 6.58 | ±9.6 |
| 10168 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.46 | ±9.6 |
| 10167 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-FD0 | 6.21 | ±9.6 |
| 10168 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM) | LTE-FDD | 6.79 | ±9.0 |
| 10168 | | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 |
| * | | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.0 |
| 10170 | AAF | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-FDD | 6.49 | ±9.0 |
| 10171 | | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-TDD | 9.21 | ±9.6 |
| 10172 | - | | LTE-TOD | 9.48 | ±9. |
| 10173 | | LTE-TOD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-TDD | 10.25 | ±9.0 |
| 10174 | | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-FDD | 5.72 | ±9. |
| 10175 | | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-FDD | 6.52 | ±9. |
| 10176 | | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | The second secon | | |
| 10177 | - named in | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-FDD | 5.73 | ±9. |
| 10178 | | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9/ |
| 10179 | _ | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-FOD | 6.50 | ±9. |
| 10180 | and the second second | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-FDD | 6.50 | ±9. |
| 10181 | CAF | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-FDD | 5.72 | ±9. |
| 10182 | | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9. |
| 10183 | | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-FDD | 6.50 | ±9. |
| 10184 | | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ±9. |
| 10185 | | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-FDD | 6.51 | ±9. |
| 10186 | AAF | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-FDD | 6.50 | ±9. |
| 10187 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-FDD | 5.73 | ±9. |
| 10188 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9. |
| 10189 | AAG | LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM) | LTE-FDD | 6.50 | ±9. |
| 10193 | CAE | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) | WLAN | 8.09 | ±9. |
| 10194 | CAE | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | WLAN | 8.12 | ±9. |
| 10195 | | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | WLAN | 8.21 | ±9. |
| 10196 | _ | | WLAN | 8.10 | ±9. |
| 10197 | - | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | WLAN | 8.13 | ±9. |
| 10198 | | The state of the s | WLAN | 8.27 | ±9. |
| 10219 | - | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN | 8.03 | ±9. |
| 10220 | - | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | WLAN | 8.13 | ±9. |
| 10221 | _ | The state of the s | WLAN | 8.27 | ±9. |
| 1966 | | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) | WLAN | 8.06 | ±9. |
| | | LEGE OVER THE PETER MAKES, TO MINES OF ONLY | 745714 | 0.00 | 7.0 |
| 10222 | - | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) | WLAN | 8.48 | ±9. |

Certificate No: ES-3076_Jul24

Page 11 of 21

F-TP22-03 (Rev. 06) Page 55 of 240



| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E $k = 2$ |
|-------|-----|---|----------|----------|--------------------------|
| 10225 | CAC | UMTS-FDD (HSPA+) | WCDMA | 5.97 | ±9.6 |
| 10226 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-TOO | 9.49 | ±9.6 |
| 10227 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.26 | ±9.6 |
| 10228 | CAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TDD | 9.22 | ±9.6 |
| 10229 | CAE | LTE-TDD (SC-FDMA, 1 HB, 3 MHz, 16-QAM) | LTE-TDD | 9.48 | ±9.6 |
| 10230 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6 |
| 10231 | CAE | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-TOD | 9.19 | ±9.6 |
| 10232 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-TOD | 9.48 | ±9.6 |
| 10233 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-TOD | 10.25 | ±9.6 |
| 10234 | CAH | LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK) | LTE-TDD | 9.21 | ±9.6 |
| 10235 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-TOD | 9.48 | ±9.6 |
| 10236 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6 |
| 10237 | CAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-TDD | 9.21 | ±9.6 |
| 10238 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM) | LTE-TOD | 9.48 | ±9.6 |
| 10239 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6 |
| 10240 | CAG | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-TDD | 9.21 | ±9.6 |
| 10241 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.82 | ±9.6 |
| 10242 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-TOD | 9.86 | ±9.6 |
| 10243 | CAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-TOD | 9.46 | ±9.6 |
| 10244 | CAE | LTE-TDD (SC-FDMA, 50% FIB, 3 MHz, 16-QAM) | LTE-TOD | 10.06 | ±9.6 |
| 10245 | CAE | LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM) | LTE-TDD | 10.08 | ±9.6 |
| 10246 | CAE | LTE-TOD (SC-FDMA, 50% RB, 3MHz, QPSK) | LTE-TDD | 9.30 | ±9.6 |
| 10247 | CAH | LTE-TOD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.91 | ±9.6 |
| 10248 | CAH | LTE-TOD (SC-FDMA, 50% RB, 5MHz, 64-QAM) | LTE-TOD | 10.09 | ±9.6 |
| 10249 | CAH | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-TDD | 9.29 | ±9.6 |
| 10250 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.81 | ±9.6 |
| 10251 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.17 | ±9.6 |
| 10252 | CAH | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TDD | 9.24 | ±9.6 |
| 10253 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-TDD | 9.90 | ±9.6 |
| 10254 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-TOD | 10.14 | ±9.6 |
| 10255 | CAG | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-TDD | 9.20 | ±9.6 |
| 10256 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.96 | ±9.6 |
| 10257 | CAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.08 | ±9.6 |
| 10258 | CAC | LTE-TDD (SC-FDMA, 190% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.34 | ±9.6 |
| 10259 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-TDD | 9.98 | ±9.6 |
| 10260 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-TDD | 9.97 | ±9.6 |
| 10261 | CAE | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-TDD | 9.24 | ±9.6 |
| 10262 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.83 | ±9.6 |
| 10263 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.16 | ±9.6 |
| 10264 | CAH | LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK) | LTE-TDD | 9.23 | ±9.6 |
| 10265 | CAH | LTE-TDD (SC-FDMA, 190% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.92 | ±9.6 |
| 10286 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.07 | ±9.6 |
| 10257 | CAH | LTE-TDD (SC-FDMA, 100% RB, 10MHz, QPSK) | LTE-TDD | 9,30 | ±9.6 |
| 10268 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM) | LTE-TDD | 10.06 | ±9.6 |
| 10269 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM) | LTE-TDD | 10.13 | ±9.6 |
| 10270 | CAG | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-TDD | 9.58 | ±9.6 |
| 10274 | CAC | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) | WCDMA | 4.87 | ±9.6 |
| 10275 | CAC | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | WCDMA | 3.96 | ±9.6 |
| 10277 | CAA | PHS (QPSK) | PHS | 11.81 | ±9.6 |
| 10278 | CAA | PHS (QPSK, BW 884 MHz, Rolloff 0.5) | PHS | 11.81 | ±9.6 |
| 10279 | CAA | PHS (QPSK, BW 884 MHz, Rollott 0.38) | PHS | 12.18 | ±9.6 |
| 10290 | AAB | CDMA2000, RC1, SO55, Full Rate | CDMA2000 | 3.91 | ±9.6 |
| 10291 | AAB | CDMA2000, RC3, SO65, Full Rate | CDMA2000 | 3.46 | ±9.6 |
| 10292 | AAB | CDMA2000, RC3, SC32, Full Rate | CDMA2000 | 3.39 | ±9.6 |
| 10293 | AAB | CDMA2000, RC3, SC3, Full Rate | CDMA2000 | 3.50 | ±9.6 |
| 10295 | AAB | CDMA2000, RC1, SC3, 1/8th Rate 25 fr. | CDMA2000 | 12.49 | 19.6 |
| 10297 | AAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-FOD | 5.81 | ±9.6 |
| 10298 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-FOD | 5.72 | ±9.6 |
| 10299 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.39 | ±9.6 |
| 10300 | AAE | LTE-FDD (SC-FDMA, 50% RB, 3MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.6 |
| 10301 | AAA | IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) | WIMAX | 12.03 | ±9.6 |
| 10302 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) | WiMAX | 12.57 | ±9.6 |
| 10303 | AAA | IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) | WIMAX | 12.52 | ±9.6 |
| 10304 | AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10 MHz, 64QAM, PUSC) | WIMAX | 11.86 | ±9.6 |
| | AAA | IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) | WIMAX | 15.24 | ±9.6 |
| 10305 | | | | | |

Certificate No: ES-3076_Jul24

Page 12 of 21



July 17, 2024

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|-------|-----|--|----------|----------|----------------------|
| 10307 | AAA | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols) | WIMAX | 14.49 | ±9.6 |
| 10308 | AAA | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC) | WiMAX | 14.46 | ±9.6 |
| 10309 | AAA | IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols) | WiMAX | 14.58 | ±9.6 |
| 10310 | AAA | IEEE 802,16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols) | WIMAX | 14.57 | ±9.6 |
| 0311 | AAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-FDO | 6.06 | ±9.6 |
| 0313 | AAA | IDEN 1:3 | IDEN | 10.51 | ±9.5 |
| 0314 | AAA | IDEN 1:6 | iDEN | 13.48 | ±9.6 |
| | | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mops, 98pc duty cycle) | WLAN | 1.71 | ±9.6 |
| 10315 | AAB | IEEE 802,11g WiFI 2.4 GHz (ERP-OFDM, 6 Mbps, 98pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10316 | AAB | | WLAN | 8.36 | ±9.6 |
| 0317 | AAE | IEEE 802.11a WiFi 6 GHz (OFDM, 6 Mbps, 96pc duty cycle) | Generio | 10.00 | ±9.6 |
| 0352 | AAA | Pulse Waveform (200Hz, 10%) | | | |
| 10353 | AAA | Pulse Waveform (200Hz, 20%) | Generic | 6.99 | ±9.6 |
| 10354 | AAA | Pulse Waveform (200Hz, 49%) | Generic | 3.98 | ±9.6 |
| 0355 | AAA | Pulse Waveform (200Hz, 60%) | Generic | 2.22 | ±9.6 |
| 0356 | AAA | Pulse Waveform (200Hz, 80%) | Generic | 0.97 | ±9.8 |
| 10387 | AAA | QPSK Waveform, 1 MHz | Generic | 5.10 | ±9.6 |
| 0388 | AAA | QPSK Waveform, 10 MHz | Generic | 5.22 | ±9.6 |
| 0396 | AAA | 64-QAM Waveform, 100 kHz | Generic | 6.27 | ±9.6 |
| 10399 | AAA | 64-QAM Waveform, 40 MHz | Generic | 6.27 | ±9.6 |
| 0 400 | AAF | IEEE 802.11ac WIFi (20 MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.37 | ±9.6 |
| 0400 | AAF | IEEE 802.11ac WiFi (40 MHz, 84-QAM, 99pc duty cycle) | WLAN | 8.60 | ±9.6 |
| 10402 | AAF | IEEE 802.11ac WIFI (80 MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.53 | ±9.6 |
| | AAB | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.76 | ±9.6 |
| 10403 | | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.77 | 19.6 |
| 10404 | AAB | | CDMA2000 | 5.22 | ±9.0 |
| 10406 | AAB | CDMA2000, RC3, SC32, SCH0, Full Rate | LTE-TDD | 7.82 | ±9.6 |
| 10410 | AAH | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Confe-4) | | | |
| 10414 | AAA | WLAN CCDF, 64-QAM, 40 MHz | Generic | 8.54 | ±9.6 |
| 10415 | AAA | IEEE 802.11b WiFl 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) | WLAN | 1.54 | ±9.0 |
| 10416 | AAA | IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) | WLAN | 8.23 | ±9. |
| 10417 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) | WLAN | 8.23 | ±9. |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) | WLAN | 8.14 | ±9. |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) | WLAN | 8.19 | ±9. |
| 10422 | AAD | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | ±9. |
| 10423 | AAD | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | WLAN | 8.47 | ±9. |
| 10424 | AAD | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | WLAN | 8.40 | ±9, |
| 10425 | AAD | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | WLAN | 8.41 | ±9.1 |
| 10426 | GAA | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) | WLAN | 8.45 | ±9. |
| 10427 | AAD | IEEE 802,11n (HT Greenlield, 150 Mbps, 64-QAM) | WLAN | 8,41 | ±9. |
| 10430 | AAE | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | LTE-FDD | 8.28 | ±9. |
| 10431 | AAE | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | LTE-FDD | 8.38 | ±9. |
| 10432 | AAD | LTE-FDD (OFDMA, 15MHz, E-TM 3.1) | LTE-FDD | 8.34 | ±9. |
| | _ | The state of the s | LTE-FDD | 8.34 | ±9. |
| 10433 | AAD | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | | | _ |
| 10434 | AAB | W-CDMA (BS Test Model 1, 64 DPCH) | WCDMA | 8.60 | ±9. |
| 10435 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 7.82 | ±9. |
| 10447 | AAE | LTE-FDD (OFDMA, 8MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.56 | ±9. |
| 10448 | AAE | LTE-FDD (OFDMA, 10MHz, E-TM 3.1, Clippin 44%) | LTE-FDD | 7.53 | ±9. |
| 10449 | AAD | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | LTE-FDD | 7.51 | ±9. |
| 10450 | AAD | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.48 | ±9. |
| 10451 | AAB | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7.59 | ±9. |
| 10453 | AAE | Validation (Square, 10 ms, 1 ms) | Tost | 10.00 | ±9. |
| 10456 | AAD | IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.63 | ±9, |
| 10457 | AAB | UMTS-FDD (DC-HSDPA) | WCDMA | 6.62 | ±9. |
| 10458 | AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | CDMA2000 | 6.55 | 19. |
| 10459 | AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | CDMA2000 | 8.25 | ±9. |
| 10460 | AAB | UMTS-FDD (WCDMA, AMR) | WCDMA | 2.39 | ±9. |
| 10461 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 7.82 | ±9. |
| 10462 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.30 | ±9. |
| 10463 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.56 | ±9. |
| | _ | | | | |
| 10454 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 7.82 | ±9. |
| 10465 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.32 | ±9. |
| 10456 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.57 | ±9. |
| 10467 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.82 | ±9. |
| 10458 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.32 | ±9. |
| 10469 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.56 | ±9. |
| 10470 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.82 | ±9, |
| | AAG | | LTE-TDD | 8.32 | ±9. |

Certificate No: ES-3076_Jul24

Page 13 of 21



July 17, 2024

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k = |
|-------|------|--|--|----------|----------------------|
| 10472 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOO | 8.57 | ±9.6 |
| 10473 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.82 | ±9.6 |
| 10474 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.32 | ±9.6 |
| 10475 | AAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.57 | ±9.6 |
| 10477 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-YDO | 8.32 | ±9.6 |
| 10478 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe+2,3,4,7,8,9) | LTE-TDO | 8.57 | ±9.6 |
| 10479 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDO | 7.74 | ±9.6 |
| 10480 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.18 | ±9.6 |
| 10481 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 84-QAM, UL Subframe=2,3,4,7,8,9) | ETE-TDD | 8.45 | ±9.6 |
| 10482 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TD0 | 7.71 | ±9.6 |
| 10483 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDO | 8.39 | ±9.6 |
| 10484 | AAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TD0 | 8.47 | ±9.6 |
| 10485 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.59 | ±9.6 |
| 10486 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.38 | ±9.6 |
| 10487 | AAG | LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.60 | ±9.6 |
| 10488 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subtrame=2,3,4,7,8,9) | LTE-TDD | 7.70 | ±9.6 |
| 10489 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe+2,3,4,7,8,9) | LTE-TOD | 8.31 | ±9.6 |
| 10490 | AAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.54 | ±9.6 |
| 10491 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 7.74 | ±9.6 |
| 10492 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.41 | ±9.6 |
| 10493 | AA.F | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.55 | ±9.6 |
| 10494 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.74 | 19.6 |
| 10495 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UI. Subframe=2,3,4,7,8,9) | LTE-TDD | 8.37 | ±9.6 |
| 10496 | AAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.54 | ±9.6 |
| 10497 | AAC | LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 7.67 | ±9.6 |
| 10498 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.40 | ±9.6 |
| 10499 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.68 | ±9.6 |
| 10500 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.67 | ±9.6 |
| 10501 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.44 | ±9.6 |
| 10502 | AAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.52 | ±9.6 |
| 10503 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 7.72 | ±9.6 |
| 10504 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Subframe=2.3,4,7,8,9) | LTE-TDD | 8.31 | ±9.6 |
| 10505 | AAG | LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.54 | ±9.6 |
| 10506 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 7.74 | ±9.6 |
| 10507 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.36 | ±9.6 |
| 10508 | AAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.55 | ±9.6 |
| 10509 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.99 | |
| 10510 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.49 | ±9.6 |
| 10511 | AAF | LTE-TOD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TOD | 8.51 | ±9.6 |
| 10512 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2.3.4.7.8.9) | | | ±9.6 |
| 10513 | AAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QFSK, OL Subtratte=2,3,4,7,6,9) | LTE-TDD | 7.74 | ±9.6 |
| 10514 | AAG | | The second secon | 8.42 | ±9.6 |
| 10515 | AAA | LTE-TDD (SC-FDMA, 190% RB, 29 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) IEEE 802,11b WiFi 2,4 GHz (DSSS, 2 Mbps, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 10516 | AAA | the state of the s | | 1.58 | ±9.6 |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) | WLAN | 1.57 | ±9.6 |
| | | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 98pc duty cycle) | WLAN | 1.58 | ±9.6 |
| 10518 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) | WLAN | 8.23 | ±9.6 |
| 10519 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) | WLAN | 8.39 | ±9.6 |
| | | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) | WLAN | 8.12 | ±9.6 |
| 0521 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) | WLAN | 7.97 | ±9.6 |
| 0522 | AAD | IEEE 802.11a/n WIFi 5 GHz (OFDM, 35 Mbps, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 0523 | AAD | IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) | WLAN | 8.08 | ±9.6 |
| | AAD | IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) | WLAN | 8.27 | ±9.6 |
| 0525 | AAD | IEEE 802.11ac WIFI (20 MHz, MCS0, 99pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 0526 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle) | WLAN | 8.42 | ±9.6 |
| 0527 | AAD | IEEE 802.11ac WiFI (20 MHz, MCS2, 99pc duty cycle) | WLAN | 8.21 | ±9.6 |
| 0528 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 0529 | AAD | IEEE 802.11ac WiFI (20 MHz, MCS4, 99pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 0531 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle) | WLAN | 8.43 | ±9.6 |
| 0532 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle) | WLAN | 8.29 | ±9.6 |
| 10533 | AAD | IEEE 802.11ac WIFI (20 MHz, MCS8, 99pc duty cycle) | WLAN | 8.38 | ±9.6 |
| 0534 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 10535 | AAD | IEEE 802.11ac WIFI (40 MHz, MCS1, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 10536 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle) | WLAN | 8.32 | ±9.6 |
| 10537 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle) | WLAN | 8.44 | ±9.6 |
| 0538 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle) | WLAN | 8.54 | ±9.6 |
| 0540 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle) | WLAN | 8.39 | ±9.6 |

Certificate No: ES-3076_Jul24

Page 14 of 21

F-TP22-03 (Rev. 06) Page 58 of 240



July 17, 2024

| UID | Rev | Communication System Name | Group | PAR (dB) | UnoE k = |
|--------|--------------------------|--|--|----------|----------|
| 10541 | AAD | IEEE 802,11ac WiFI (40 MHz, MCS7, 99pc duty cycle) | WLAN | 8.46 | ±9.5 |
| 10542 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle) | WLAN | 8.65 | ±9.6 |
| 0543 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle) | WLAN | 8.65 | ±9.6 |
| 0544 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle) | WLAN | 8.47 | ±9.6 |
| 0545 | AAD | IEEE 802.11ac WIF (80 MHz, MCS1, 99pc duty cycle) | WLAN | 8.55 | ±9.6 |
| | 1.0 | IEEE 802.11ac WIFI (80 MHz, MCS2, 99pc duty cycle) | WLAN | 8,35 | ±9.6 |
| 0546 | AAD | IEEE 802,11ac WiFi (80 MHz, MCS3, 99pc duty cycle) | WLAN | 8.49 | ±9.6 |
| 0547 | AAD | | WLAN | 8.37 | ±9.6 |
| 0548 | AAD | IEEE 802.11ac WIFI (80 MHz, MCS4, 99pc duty cycle) | WLAN | 8.38 | ±9.6 |
| 0550 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle) | | 8.50 | ±9.6 |
| 0551 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle) | WLAN | | |
| 0552 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle) | WLAN | 8.42 | ±9.6 |
| 0553 | AAD | IEEE 802.11ac WiFI (80 MHz, MCS9, 99pc duty cycle) | WLAN | 8.45 | ±9.6 |
| 0554 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle) | WLAN | 8,48 | ±9.6 |
| 0555 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle) | WLAN | 8.47 | ±9.6 |
| 0556 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle) | WLAN | 8.50 | ±9.6 |
| 0557 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle) | WLAN | 8.52 | ±9.6 |
| 0558 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle) | WLAN | 8.61 | ±9.6 |
| 0560 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle) | WLAN | 8.73 | ±9.6 |
| 0561 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle) | WLAN | 8.56 | ±9.6 |
| 0562 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle) | WLAN | 8.69 | ±9.6 |
| | AAE | IEEE 802.11ac WiFI (160 MHz, MCS8, 98pc duty cycle) | WLAN | 8.77 | ±9.6 |
| 0563 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle) | WLAN | 8.25 | ±9.6 |
| 0564 | | | WLAN | 8.45 | ±9.6 |
| 10585 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | WLAN | 8,13 | 19.5 |
| 0566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | WLAN | 8.00 | ±9.6 |
| 10:567 | AAA | IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) | | | |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | WLAN | 8.37 | ±9.6 |
| 10:569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | WLAN | 8.10 | ±9.6 |
| 10570 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) | WLAN | 8.30 | ±9.6 |
| 10571 | AAA | IEEE 802.11b WiFl 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) | WLAN | 1.99 | ±9.6 |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) | WLAN | 1.99 | ±9.6 |
| 10573 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) | WLAN | 1.98 | ±9.6 |
| 10574 | AAA | IEEE 802.11b W/FI 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) | WLAN | 1.98 | ±9.6 |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) | WLAN | 8.59 | ±9.6 |
| 10576 | | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) | WLAN | 8.60 | ±9.6 |
| 10577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12Mbps, 90pc duty cycle) | WLAN | 8.70 | ±9.6 |
| 10578 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) | WLAN | 8.49 | ±9.6 |
| 10579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10580 | and the same of the same | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) | WLAN | 8.76 | ±9.6 |
| | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFOM, 48 Mbps, 90pc duty cycle) | WLAN | 8.35 | ±9.6 |
| 10581 | | the state of the s | WLAN | 8.67 | ±9.6 |
| 10582 | A LANGESTINE | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) | A LONG TO SERVICE AND ADDRESS OF THE PARTY O | 8.59 | ±9.6 |
| 10583 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) | WLAN | | |
| 10584 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) | WLAN | 8.60 | ±9.6 |
| 10585 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) | WLAN | 8.70 | ±9.6 |
| 10586 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) | WLAN | 8.49 | ±9.6 |
| 10587 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) | WLAN | 8.36 | ±9.6 |
| 10588 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) | WLAN | 8.76 | ±9.6 |
| 10589 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle) | WLAN | 8.35 | ±9.6 |
| 10590 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) | WLAN | 8.67 | ±9.6 |
| 10591 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) | WLAN | 8.63 | ±9.6 |
| 10592 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle) | WLAN | 8.79 | ±9.6 |
| 10593 | - | IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle) | WLAN | 8.64 | ±9.6 |
| 10594 | AAD | IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) | WLAN | 8.74 | ±9.6 |
| 10595 | | IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle) | WLAN | 8.74 | ±9.6 |
| 10598 | | IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle) | WLAN | 8.71 | ±9.0 |
| 10597 | | IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle) | WLAN | 8.72 | ±9.0 |
| | - | IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle) | WLAN | 8.50 | ±9.6 |
| 10598 | | | | | |
| 10599 | | IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle) | WLAN | 8.79 | ±9.6 |
| 10600 | | IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle) | WLAN | 8.88 | ±9.0 |
| 10601 | | IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle) | WLAN | 8.82 | ±9.6 |
| 10602 | | IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) | WLAN | 8.94 | ±9.6 |
| 10603 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle) | WLAN | 9.03 | ±9.0 |
| 10604 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle) | WLAN | 8.76 | ±9.6 |
| 10605 | AAD | IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle) | WLAN | 8.97 | ±9.6 |
| 10606 | | IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle) | WLAN | 8.82 | ±9.5 |
| 10607 | | IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle) | WLAN | 8.64 | ±9.8 |
| 10000 | | | | | |

Certificate No: ES-3076_Jul24

Page 15 of 21



July 17, 2024

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E k : |
|--|-------|--|--|----------|----------------------|
| 10609 | AAD | IEEE 802.11ac WiFI (20 MHz, MCS2, 90pc duty cycle) | WLAN | 8.57 | ±9.6 |
| 10610 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle) | WLAN | 8.78 | ±9.6 |
| 10611 | AAD | IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle) | WLAN | 8.70 | ±9.6 |
| 10612 | AAD | IEEE 802.11ac WiFI (20 MHz, MCS5, 90pc duty cycle) | WLAN | 8.77 | ±9.6 |
| 0613 | AAD | IEEE 802.11ac WIFi (20 MHz, MCS6, 90pc duty cycle) | WLAN | 8.94 | ±9.6 |
| 0614 | AAD | IEEE 802.11ac WF1 (20 MHz, MCS7, 90pc duty cycle) | WLAN | 8.59 | ±9.6 |
| | | The state of the s | WLAN | 8.82 | ±9.6 |
| 0615 | AAD | IEEE 802.11ac WiFI (20 MHz, MCS8, 90pc duty cycle) | WLAN | 8.82 | ±9.6 |
| 0616 | AAD | IEEE 802.11ac WIFI (40 MHz, MCS0, 90pc duty cycle) | | | |
| 0617 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle) | WLAN | 8.81 | ±9.6 |
| 10618 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle) | WLAN | 8.58 | ±9.6 |
| 0619 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) | WLAN | 8.86 | ±9.6 |
| 0620 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle) | WLAN | 8.87 | ±9.6 |
| 0621 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) | WLAN | 8.77 | ±9.6 |
| 0622 | AAD | IEEE 802,11ac WiFI (40 MHz, MCS6, 90pc duty cycle) | WLAN | 8.68 | ±9.6 |
| 10623 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle) | WLAN | 8.82 | ±9.6 |
| 10624 | AAD | IEEE 802.11ac WiFl (40 MHz, MCS8, 90pc duty cycle) | WLAN | 8.96 | ±9.6 |
| 0625 | AAD | IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) | WLAN | 8.96 | ±9.6 |
| 0626 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle) | WLAN | 8.83 | ±9.6 |
| 0627 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) | WLAN | 8.88 | ±9.6 |
| 0628 | AAD | IEEE 802,11ac WiFi (80 MHz, MCS2, 90pc duty cycle) | WLAN | 8.71 | ±9.6 |
| Committee of the last of the l | | The state of the s | WLAN | 8.85 | ±9.6 |
| 0629 | AAD | IEEE 802,11ac WiFi (80 MHz, MCS3, 90pc duty cycle) | WLAN | 8.72 | ±9.0 |
| 0630 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) | WLAN | 8.81 | ±9.0 |
| 0631 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) | | | |
| 10632 | AAD | IEEE 802.11ac WiFI (80 MHz, MCS6, 90pc duty cycle) | WLAN | 8.74 | ±9.1 |
| 0633 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) | WLAN | 8.83 | ±9.1 |
| 10634 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle) | WLAN | 8.80 | ±9, |
| 10635 | AAD | IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) | WLAN | 8.81 | ±9. |
| 10636 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle) | WLAN | 8.83 | ±9. |
| 10637 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) | WLAN | 8.79 | ±9. |
| 10638 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) | WLAN | 8.86 | ±9. |
| 10639 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) | WLAN | 8.85 | ±9. |
| 10640 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle) | WLAN | 8.98 | ±9. |
| 10641 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle) | WLAN | 9.06 | ±9. |
| 10642 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle) | WLAN | 9.06 | ±9. |
| 10643 | AAE | IEEE 802,11ac WiFi (160 MHz, MCS7, 90pc duty cycle) | WLAN | 8.89 | ±9. |
| 10644 | AAE | | WLAN | 9.05 | |
| | _ | IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc duty cycle) | The second secon | | ±9. |
| 10645 | AAE | IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) | WLAN | 9.11 | ±9.0 |
| 10646 | AAH | LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subframe=2,7) | LTE-TOO | 11.96 | ±9. |
| 10647 | AAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) | LTE-TOD | 11.96 | ±9. |
| 10648 | AAA | CDMA2000 (1x Advanced) | CDMA2000 | 3.45 | ±9. |
| 10652 | AAF | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.91 | ±9. |
| 10653 | AAF | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.42 | ±9. |
| 10654 | AAE | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.96 | ±9. |
| 10655 | AAF | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-TOD | 7.21 | ±9/ |
| 10658 | AAB | Pulse Waveform (200Hz, 10%) | Test | 10.00 | ±9. |
| 10659 | AAB | Pulse Waveform (200Hz, 20%) | Test | 6.99 | ±9. |
| 10660 | AAS | Pulse Waveform (200Hz, 40%) | Test | 3.98 | ±9.0 |
| 10661 | AAB | Pulse Waveform (200Hz, 60%) | Test | 2.22 | ±9/ |
| 10662 | AAB | Pulse Waveform (200Hz, 80%) | Test | 0.97 | ±9. |
| 10670 | AAA | Bluetooth Low Energy | Bluetooth | 2.19 | ±9. |
| 10671 | AAC | IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) | WLAN | | |
| | AAC | The state of the s | | 9.09 | ±9. |
| 10672 | AAC | IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) | WLAN | 8.57 | ±9. |
| 10673 | | IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) | WLAN | 8.78 | ±9. |
| 10874 | AAC | IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) | WLAN | 8.74 | ±9. |
| 0675 | AAC | IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) | WLAN | 8.90 | ±9. |
| 0676 | | IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) | WLAN | 8.77 | ±9. |
| 0677 | | IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) | WLAN | 8.73 | ±9. |
| 10678 | AAC | IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) | WLAN | 8.78 | ±9. |
| 10679 | AAC | IEEE 802.11ax (20 MHz, MGS8, 90pc duty cycle) | WLAN | 8.89 | ±9. |
| 10680 | AAC | IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) | WLAN | 8.80 | ±9. |
| 10681 | AAC | IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle) | WLAN | 8.62 | ±9. |
| 10682 | AAC | IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle) | WLAN | 8.83 | ±9. |
| 10683 | AAC | IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle) | WLAN | 8.42 | ±9. |
| 10684 | AAC | IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle) | *** | | _ |
| | AAC | | WLAN | 8.26 | ±9. |
| 10685 | AAC | IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle) | WLAN | 8.33 | ±9. |
| | I AAC | IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle) | WLAN | 8.28 | ±9. |

Certificate No: ES-3076_Jul24

Page 16 of 21



| UID Re 10687 AM 10687 AM 10688 AM 10689 AM 10689 AM 10689 AM 10689 AM 10699 AM 10698 AM 10698 AM 10698 AM 10698 AM 10698 AM 10698 AM 10701 AM 10701 AM 10702 AM 10704 AM 10705 AM 10706 AM 10707 AM 10708 AM 10708 AM 10709 | IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle) | Group WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | PAR (dB) 8.45 8.29 8.55 8.29 8.25 8.27 8.27 8.28 8.27 8.28 8.27 8.28 8.27 8.89 8.82 8.73 8.86 8.70 8.82 8.56 8.66 8.32 8.55 | Unole k = 2 ±9.6 ±9.8 ±9.6 |
|--|--|--|--|--|
| 10698 AA 10690 AA 10690 AA 10690 AA 10691 AA 10693 AA 10693 AA 10694 AA 10695 AA 10696 AA 10697 AA 10698 AA 10697 AA 10698 AA 10697 AA 10698 AA 10698 AA 10698 AA 10698 AA 10701 AA 10702 AA 10702 AA 10703 AA 10704 AA 10705 AA 10706 AA 10707 AA 10707 AA 10710 AA 10711 AA 10711 AA 10711 AA 10713 AA 10714 AA 10715 AA 10714 AA 10715 AA 10714 AA 10715 AA 10717 AA 10717 AA 10718 AA 10718 AA 10719 AA | IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.29 8.55 8.29 8.25 8.25 8.57 8.78 8.91 8.61 8.89 8.82 8.73 8.86 8.70 8.82 8.56 8.66 8.66 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10689 AA 10690 AA 10691 AA 10693 AA 10694 AA 10695 AA 10695 AA 10696 AA 10698 AA 10698 AA 10698 AA 10698 AA 10701 AA 10701 AA 10702 AA 10702 AA 10704 AA 10705 AA 10706 AA 10707 AA 10707 AA 10708 AA 10710 AA 10711 AA 10713 AA 10714 AA 10715 AA 10716 AA 10717 AA 10718 AA 10719 AA 10719 AA | IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.55 8.29 8.25 8.25 8.57 8.78 8.91 8.61 8.89 8.82 8.73 8.86 8.70 8.82 8.56 8.69 8.56 | ±9.6 |
| 10 690 AA 10 691 AA 10 692 AA 10 693 AA 10 694 AA 10 695 AA 10 696 AA 10 696 AA 10 698 AA 10 700 AA 10 701 AA 10 702 AA 10 703 AA 10 704 AA 10 705 AA 10 706 AA 10 707 AA 10 708 AA 10 707 AA 10 708 AA 10 708 AA 10 708 AA 10 709 AA 10 701 AA | IEEE 802.11ax (20 MHz, MCS7, 99pc dufy cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.29 8.25 8.25 8.25 8.57 8.78 8.91 8.61 8.89 8.82 8.73 8.86 8.70 8.86 8.69 8.69 8.56 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10691 AA 10692 AA 10693 AA 10694 AA 10695 AA 10696 AA 10697 AA 10698 AA 10698 AA 10700 AA 10701 AA 10702 AA 10705 AA 10705 AA 10706 AA 10707 AA 10707 AA 10707 AA 10707 AA 10707 AA 10707 AA 10708 AA 10711 AA 10711 AA 10713 AA 10715 AA 10715 AA 10716 AA 10717 AA 10718 AA 10718 AA 10719 AA 10719 AA | IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.25 8.29 8.25 8.57 8.78 8.91 8.61 8.62 8.73 8.86 8.70 8.82 8.56 8.69 8.69 8.69 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10682 AA 10693 AA 10694 AA 10696 AA 10696 AA 10697 AA 10698 AA 10698 AA 10700 AA 10701 AA 10702 AA 10702 AA 10703 AA 10705 AA 10706 AA 10707 AA 10707 AA 10707 AA 10707 AA 10708 AA 10709 AA 10711 AA 10711 AA 10713 AA 10715 AA 10714 AA 10715 AA 10715 AA 10717 AA 10718 AA 10717 AA 10718 AA 10718 AA 10718 AA 10718 AA 10719 AA | IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.29 8.25 8.57 8.78 8.91 8.61 8.89 8.82 8.73 8.86 8.70 8.82 8.56 8.66 6.32 8.55 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10693 AA 10694 AA 10695 AA 10698 AA 10698 AA 10699 AA 10699 AA 10701 AA 10702 AA 10703 AA 10706 AA 10706 AA 10706 AA 10707 AA 10708 AA 10708 AA 10708 AA 10708 AA 10708 AA 10708 AA 10708 AA 10707 AA 10707 AA 10710 AA 10711 AA 10711 AA 10711 AA 10711 AA 10711 AA 10713 AA 10714 AA 10715 AA 10717 AA 10717 AA 10717 AA | IEEE 802.11ax (20 MHz, MCS10, 99pc dufy cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.25 8.57 8.78 8.91 8.61 8.89 8.82 8.73 8.86 8.70 8.82 8.56 8.69 8.69 8.56 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10694 AA 10695 AA 10696 AA 10697 AA 10699 AA 10700 AA 10701 AA 10702 AA 10704 AA 10704 AA 10704 AA 10706 AA 10708 AA 10708 AA 10708 AA 10708 AA 10708 AA 10711 AA 10712 AA 10711 AA 10712 AA 10714 AA 10715 AA 10716 AA 10716 AA 10717 AA 10717 AA 10718 AA 10716 AA 10717 AA 10718 AA 10718 AA 10719 AA 10719 AA 10719 AA 10719 AA | IEEE 802.11ax (20 MHz, MCS11, 99pc dufy cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.57 8.78 8.91 8.61 8.89 8.82 8.73 8.96 8.70 8.82 8.56 8.69 8.56 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10695 AA 10698 AA 10698 AA 10699 AA 10699 AA 10700 AA 10701 AA 10702 AA 10702 AA 10705 AA 10706 AA 10706 AA 10707 AA 10707 AA 10707 AA 10707 AA 10707 AA 10711 AA 10711 AA 10711 AA 10711 AA 10715 AA 10713 AA 10714 AA 10715 AA 10715 AA 10717 AA 10717 AA 10717 AA 10718 AA 10718 AA 10719 AA 10719 AA | IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.78 8.91 8.61 8.89 8.73 8.86 8.70 8.82 8.55 8.69 8.66 8.32 8.55 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10696 AA 10697 AA 10698 AA 10698 AA 10700 AA 10701 AA 10702 AA 10703 AA 10705 AA 10706 AA 10707 AA 10709 AA 10709 AA 10711 AA 10711 AA 10713 AA 10713 AA 10714 AA 10715 AA 10715 AA 10717 AA 10713 AA 10715 AA 10717 AA 10718 AA 10718 AA 10718 AA 10718 AA 10719 AA 10718 AA 10719 AA | IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.91 8.61 8.89 8.82 8.73 8.86 8.70 8.82 8.56 8.69 8.66 8.32 8.55 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10697 AA 10698 AA 10699 AA 10700 AA 10700 AA 10702 AA 10703 AA 10705 AA 10706 AA 10707 AA 10707 AA 10707 AA 10708 AA 10708 AA 10708 AA 10708 AA 10708 AA 10708 AA 10710 AA 10711 AA 10711 AA 10713 AA 10714 AA 10715 AA 10715 AA 10716 AA 10717 AA 10718 AA 10718 AA 10719 AA 10719 AA | IEEE 802.11ax (40 MHz, MCS2, 80pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.61 8.89 8.82 8.73 8.86 8.70 8.82 8.56 8.69 8.66 8.32 8.55 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10698 AA 10699 AA 10700 AA 10700 AA 10701 AA 10704 AA 10704 AA 10706 AA 10708 AA 10708 AA 10708 AA 10708 AA 10708 AA 10708 AA 10708 AA 10711 AA 10712 AA 10713 AA 10714 AA 10715 AA 10715 AA 10717 AA 10718 AA 10719 AA 10719 AA 10719 AA | IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.89 8.82 8.73 8.86 8.70 8.82 8.56 8.69 8.66 8.32 8.55 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10699 AA 10700 AA 10701 AA 10702 AA 10702 AA 10705 AA 10706 AA 10706 AA 10707 AA 10708 AA 10708 AA 10709 AA 10701 AA 10710 AA 10711 AA 10711 AA 10713 AA 10714 AA 10715 AA 10715 AA 10715 AA 10716 AA 10717 AA 10718 AA 10717 AA 10718 AA 10719 AA 10719 AA 10719 AA 10719 AA | IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.82 8.73 8.86 8.70 8.82 8.56 8.69 8.66 8.32 8.55 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10700 AA 10701 AA 10702 AA 10702 AA 10705 AA 10705 AA 10706 AA 10707 AA 10707 AA 10710 AA 10711 AA 10711 AA 10712 AA 10713 AA 10714 AA 10715 AA 10715 AA 10717 AA 10718 AA 10718 AA 10718 AA 10719 AA 10719 AA 10719 AA | IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.73 8.86 8.70 8.82 8.56 8.69 8.66 8.32 8.55 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10701 AA 10702 AA 10703 AA 10703 AA 10706 AA 10706 AA 10707 AA 10707 AA 10709 AA 10710 AA 10711 AA 10712 AA 10713 AA 10714 AA 10715 AA 10715 AA 10716 AA 10717 AA 10718 AA 10718 AA 10719 AA 10719 AA 10719 AA | IEEE 802.11ax (40 MHz, MCS6, 90pc dufy cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.86 8.70 8.82 8.56 8.69 8.66 8.32 8.55 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10702 AA 10703 AA 10704 AA 10706 AA 10707 AA 10707 AA 10708 AA 10709 AA 10711 AA 10712 AA 10713 AA 10714 AA 10715 AA 10715 AA 10716 AA 10717 AA 10718 AA 10719 AA 10719 AA 10719 AA 10719 AA 10719 AA 10720 AA | IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.70 8.82 8.56 8.69 8.66 8.32 8.55 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10703 AA 10704 AA 10705 AA 10706 AA 10706 AA 10707 AA 10708 AA 10709 AA 10710 AA 10711 AA 10712 AA 10713 AA 10714 AA 10715 AA 10715 AA 10716 AA 10717 AA 10718 AA 10719 AA 10719 AA 10720 AA | IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN WLAN | 8.82 8.56 8.69 8.66 8.32 8.55 | ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 |
| 10704 AA 10705 AA 10706 AA 10707 AA 10708 AA 10709 AA 10710 AA 10711 AA 10712 AA 10713 AA 10714 AA 10715 AA 10717 AA 10717 AA 10718 AA 10718 AA 10719 AA 10719 AA 10719 AA 10720 AA | IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle) | WLAN WLAN WLAN WLAN WLAN WLAN | 8.56 8.69 8.66 8.32 8.55 | ±9.6 ±9.6 ±9.6 ±9.6 |
| 10705 AA 10706 AA 10707 AA 10709 AA 10709 AA 10710 AA 10711 AA 10711 AA 10713 AA 10714 AA 10715 AA 10716 AA 10717 AA 10718 AA 10718 AA 10719 AA 10719 AA 10720 AA 10722 AA | IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle) | WLAN WLAN WLAN WLAN WLAN | 8.69 8.66 8.32 8.55 | ±9.6 ±9.6 ±9.6 |
| 10706 AA 10707 AA 10709 AA 10709 AA 10710 AA 10711 AA 10712 AA 10713 AA 10714 AA 10715 AA 10716 AA 10717 AA 10718 AA 10719 AA 10719 AA 10720 AA 10722 AA | IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle) | WLAN WLAN WLAN WLAN | 8.66 8.32 8.55 | ±9.6 ±9.6 |
| 10707 AA 10708 AA 10709 AA 10710 AA 10711 AA 10711 AA 10713 AA 10714 AA 10714 AA 10716 AA 10717 AA 10718 AA 10718 AA 10719 AA 10720 AA 10721 AA | IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle) | WLAN WLAN WLAN | 8.32 8.55 | ±9.6 |
| 10708 AA 10709 AA 10710 AA 10711 AA 10712 AA 10713 AA 10714 AA 10715 AA 10716 AA 10717 AA 10718 AA 10719 AA 10720 AA 10722 AA | IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) | WLAN WLAN | 8.55 | THE RESERVE AND ADDRESS OF THE PARTY OF THE |
| 10709 AA 10710 AA 10711 AA 10712 AA 10713 AA 10714 AA 10715 AA 10715 AA 10717 AA 10718 AA 10719 AA 10719 AA 10720 AA 10721 AA | IEEE 802.11ax (40 MHz, MCS2, 99pc dufy cycle) IEEE 802.11ax (40 MHz, MCS3, 99pc dufy cycle) IEEE 802.11ax (40 MHz, MCS4, 99pc dufy cycle) IEEE 802.11ax (40 MHz, MCS6, 99pc dufy cycle) IEEE 802.11ax (40 MHz, MCS6, 99pc dufy cycle) | WLAN | | ±9.6 |
| 10710 AA 10711 AA 10712 AA 10713 AA 10713 AA 10714 AA 10715 AA 10717 AA 10718 AA 10719 AA 10719 AA 10720 AA 10721 AA | IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle) IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle) IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle) IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) | Contract to the Contract to th | 8.33 | ±9.6 |
| 10711 AA 10712 AA 10713 AA 10714 AA 10715 AA 10716 AA 10717 AA 10718 AA 10719 AA 10720 AA 10721 AA 10721 AA | IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle) IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle) IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) | | 8.29 | ±9.6 |
| 10712 AA 10713 AA 10714 AA 10715 AA 10716 AA 10717 AA 10718 AA 10718 AA 10720 AA 10721 AA 10721 AA | IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle) IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) | WLAN | 8.39 | ±9.6 |
| 10713 AA 10714 AA 10715 AA 10716 AA 10717 AA 10717 AA 10719 AA 10720 AA 10721 AA 10722 AA | IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) | WLAN | 8.67 | ±9.6 |
| 10714 AA 10715 AA 10716 AA 10717 AA 10718 AA 10719 AA 10720 AA 10721 AA 10722 AA | | WLAN | 8.33 | ±9.6 |
| 10715 AA 10716 AA 10717 AA 10718 AA 10719 AA 10720 AA 10721 AA 10722 AA | | WLAN | 8.26 | ±9.6 |
| 10717 AA 10718 AA 10719 AA 10720 AA 10721 AA 10722 AA | | WLAN | 8.45 | ±9.6 |
| 10717 AA 10718 AA 10719 AA 10720 AA 10721 AA 10722 AA | | WLAN | 8.30 | ±9.6 |
| 10718 AA 10719 AA 10720 AA 10721 AA 10722 AA | | WLAN | 8.48 | ±9.6 |
| 10719 AA 10720 AA 10721 AA 10722 AA | The state of the s | WLAN | 8.24 | ±9.6 |
| 10721 AA 10722 AA | | WLAN | 8.81 | ±9.6 |
| 10721 AA 10722 AA | | WLAN | 8.87 | ±9.6 |
| AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 1 AND THE PERSON NAM | | WLAN | 8.76 | ±9.6 |
| 10722 44 | | WLAN | 8.55 | 19.6 |
| 10723 AA | | WLAN | 8.70 | ±9.6 |
| 10724 AA | | WLAN | 8.90 | ±9.6 |
| 10725 AA | | WLAN | 8.74 | ±9.6 |
| 10726 AA | | WLAN | 8.72 | ±9.6 |
| 10727 AA | | WLAN | 8.66 | ±9.6 |
| 10728 AA | | WLAN | 8.65 | ±9.6 |
| 10729 AA | | WLAN | 8.64 | ±9.6 |
| 10730 AA | | WLAN | 8.67 | ±9.6 |
| 10731 AA | | WLAN | 8.42 | ±9.6 |
| 10732 AA | | WLAN | 8.46 | ±9.6 |
| 10733 AA | | WLAN | 8.40 | ±9.6 |
| 10734 AA | | WLAN | 8.25 | ±9.6 |
| 10735 AA | | WLAN | 8.33 | ±9.6 |
| 10736 AA | | WLAN | 8.27 | ±9.6 |
| 10737 AAG | | WLAN | 8.35 | ±9.6 |
| 10738 AAG | | WLAN | 8.42 | ±9.6 |
| 10739 AA | | WLAN | 8.29 | ±9.6 |
| 10740 AA | | WLAN | 8.48 | ±9.6 |
| 10741 AAG | | WLAN | 8.40 | 49.6 |
| 10742 AAG | IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) | WLAN | 8.43 | ±9.6 |
| 10743 AAG | | WLAN | 8.94 | 19.6 |
| 10744 AAG | | WLAN | 9.16 | ±9.6 |
| 10745 AAG | | WLAN | 8.93 | 19.6 |
| 10746 AAC | IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) | WLAN | 9.11 | ±9.6 |
| 10747 AAC | | WLAN | 9.04 | ±9.6 |
| 10748 AAC | | WLAN | 8.93 | ±9.6 |
| 10749 AAG | | WLAN | 8.90 | ±9.6 |
| 10750 AAC | | WLAN | 8.79 | ±9.6 |
| 10751 AAC | | WLAN | 8.82 | 19.6 |
| 10752 AAG | | WLAN | 8.81 | ±9.6 |

Certificate No: ES-3076_Jul24

Page 17 of 21

F-TP22-03 (Rev. 06) Page 61 of 240