

Rev: 01

Page: 1 of 63

Appendix B - DAE & Probe Calibration Certificate

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





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

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lient SGS-TW (Auden)

Accreditation No.: SCS 0108

Certificate No: DAE4-856_Apr21

CALIBRATION CERTIFICATE Object DAE4 - SD 000 D04 BM - SN: 856 Calibration procedure(s) QA CAL-06.v30 Calibration procedure for the data acquisition electronics (DAE) Calibration date: April 23, 2021 This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate. All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%. Calibration Equipment used (M&TE critical for calibration) Primary Standards ID# Cal Date (Certificate No.) Scheduled Calibration Keithley Multimeter Type 2001 SN: 0810278 Sep-21 Secondary Standards Check Date (in house) Scheduled Check Auto DAE Calibration Unit SE UWS 053 AA 1001 07-Jan-21 (in house check) In house check: Jan-22 Calibrator Box V2.1 SE UMS 006 AA 1002 07-Jan-21 (in house check) In house check: Jan-22 Function Calibrated by: Dominique Steffen Laboratory Technician Approved by: Sven Kühn Deputy Manager Issued: April 23, 2021 This calibration certificate shall not be reproduced except in full without written approval of the laboratory

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Page 1 of 5

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Rev: 01

Page: 2 of 63

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Swiss Calibration Service

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Multilateral Agreement for the recognition of calibration certificates

Glossary

DAE data acquisition electronics

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

coordinate system.

Methods Applied and Interpretation of Parameters

 DC Voltage Measurement: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.

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

Certificate No: DAE4-856_Apr21

Page 2 of 5

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Rev: 01

Page: 3 of 63

DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: full range = -100...+300 mV full range = -1.....+3mV 1LSB = Low Range: 1LSB = 61nV ... DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

| Calibration Factors | X | Y | Z |
|---------------------|-----------------------|-----------------------|-----------------------|
| High Range | 403.387 ± 0.02% (k=2) | 404.501 ± 0.02% (k=2) | 403.826 ± 0.02% (k=2) |
| Low Range | | 3.98751 ± 1.50% (k=2) | |

Connector Angle

| Connector Angle to be used in DASY system | 264.0 ° ± 1 ° |
|---|---------------|
|---|---------------|

Certificate No: DAE4-856_Apr21

Page 3 of 5

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Rev: 01

Page: 4 of 63

Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

| High Range | Reading (μV) | Difference (μV) | Error (%) |
|-------------------|--------------|-----------------|-----------|
| Channel X + Input | 199987.17 | -4.80 | -0.00 |
| Channel X + Input | 19999.51 | -1.83 | -0.01 |
| Channel X - Input | -19999.88 | 1.86 | -0.01 |
| Channel Y + Input | 199993.57 | 1.20 | 0.00 |
| Channel Y + Input | 19998.92 | -2.34 | -0.01 |
| Channel Y - Input | -20002.85 | -1.02 | 0.01 |
| Channel Z + Input | 199994.32 | 2.33 | 0.00 |
| Channel Z + Input | 19999.21 | -1.98 | -0.01 |
| Channel Z - Input | -20001.30 | 0.59 | -0.00 |

| Low Range | Reading (μV) | Difference (μV) | Error (%) |
|-------------------|--------------|-----------------|-----------|
| Channel X + Input | 2000.87 | 0.28 | 0.01 |
| Channel X + Input | 201.62 | 0.70 | 0.35 |
| Channel X - Input | -198.40 | 0.42 | -0.21 |
| Channel Y + Input | 2001.00 | 0.40 | 0.02 |
| Channel Y + Input | 199.99 | -0.88 | -0.44 |
| Channel Y - Input | -200.55 | -1.71 | 0.86 |
| Channel Z + Input | 2000.47 | -0.05 | -0.00 |
| Channel Z + Input | 199.99 | -0.97 | -0.48 |
| Channel Z - Input | -199.95 | -1.10 | 0.55 |

2. Common mode sensitivity

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

| | Common mode Input Voltage (mV) | High Range Average Reading (μV) | Low Range Average Reading (μV) |
|-----------|-----------------------------------|------------------------------------|-----------------------------------|
| Channel X | 200 | -14.27 | -16.04 |
| | - 200 | 18.01 | 16.13 |
| Channel Y | 200 | -2.63 | -2.44 |
| | - 200 | 0.25 | 0.06 |
| Channel Z | 200 | 10.71 | 10.81 |
| | - 200 | -12.94 | -12.93 |

3. Channel separation

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

| | Input Voltage (mV) | Channel X (µV) | Channel Y (µV) | Channel Z (μV) |
|-----------|--------------------|----------------|----------------|----------------|
| Channel X | 200 | | 2.16 | -2.76 |
| Channel Y | 200 | 7.54 | (2. | 3.13 |
| Channel Z | 200 | 9.37 | 4.36 | 14. |

Certificate No: DAE4-856_Apr21

Page 4 of 5

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Rev: 01

Page: 5 of 63

4. AD-Converter Values with inputs shorted

| | High Range (LSB) | Low Range (LSB) |
|-----------|------------------|-----------------|
| Channel X | 16217 | 15836 |
| Channel Y | 15945 | 15173 |
| Channel Z | 15888 | 17201 |

5. Input Offset Measurement

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

| | Average (μV) | min. Offset (μV) | max. Offset (μV) | Std. Deviation (µV) |
|-----------|--------------|------------------|------------------|---------------------|
| Channel X | 0.85 | -0.58 | 2,58 | 0.45 |
| Channel Y | 0.66 | -0.43 | 1.70 | 0.45 |
| Channel Z | 1.07 | -0.18 | 3.10 | 0.65 |

6. Input Offset Current

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

7. Input Resistance (Typical values for information)

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

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

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

9. Power Consumption (Typical values for info

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

Certificate No: DAE4-856_Apr21

Page 5 of 5

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Rev: 01

Page: 6 of 63

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Multilateral Agreement for the recognition of calibration certificates ation No.: SCS 0108 SGS-TW (Auden) Certificate No: DAE4-1665_Mar21 **CALIBRATION CERTIFICATE** DAE4 - SD 000 D04 BO - SN: 1665 QA CAL-06.v30 Calibration procedure for the data acquisition electronics (DAE) March 01, 2021 The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate ons have been conducted in the closed laboratory facility; environment temperature (22 ± 3)°C and humidity < 70% n Equipment used (M&TE critical for calibration) Cal Date (Certificate No.) 07-Sep-20 (No:28647) Scheduled Calibration | ID # | Check Date (in house)
| SE UWS 053 AA 1001 | 07-Jan-21 (in house check)
| SE UMS 006 AA 1002 | 07-Jan-21 (in house check) Scheduled Check In house check: Jan-22 In house check: Jan-22 Secondary Standards Auto DAE Calibration Calibrator Box V2.1 Deputy Manage This calibration certificate shall not be reproduced except in full without written approval of the laboratory

Page 1 of 5

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Rev: 01

Page: 7 of 63

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Zeughausstrasse 43, 8004 Zurich, Switze





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data acquisition electronics

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- Common mode sensitivity: Influence of a positive or negative common mode voltage on
- Channel separation; Influence of a voltage on the neighbor channels not subject to an
- AD Converter Values with inputs shorted: Values on the internal AD converter corresponding to zero input voltage
- Input Offset Measurement. Output voltage and statistical results over a large number of zero voltage measurements
- Input Offset Current: Typical value for information; Maximum channel input offset current, not considering the input resistance
- Input resistance: Typical value for information: DAE input resistance at the connector, during internal auto-zeroing and during measurement.
- Low Battery Alarm Voltage: Typical value for information. Below this voltage, a battery alarm signal is generated
- Power consumption: Typical value for information. Supply currents in various operating

Certificate No: DAE4-1665_Mar21

Page 2 of 5

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Rev: 01

Page: 8 of 63

DC Voltage Measurement
A/D - Converter Resolution non
High Range: 1LSB
Low Bange: 1LSB lution nomina 1LSB = 1LSB = High Range: 1LSB = 6.1µV | full range = -100,...+300 mV |
Low Range: 1LSB = 81nV | full range = -1......+3mV |
DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

| Calibration Factors | X | Y | Z |
|---------------------|-----------------------|-----------------------|-----------------------|
| High Range | 404.502 ± 0.02% (k=2) | 404.818 ± 0.02% (k=2) | 404.763 ± 0.02% (k=2) |
| Low Range | 3,97893 ± 1,50% (k=2) | 4.00708 ± 1.50% (k=2) | 3.97737 ± 1.50% (k=2) |

Connector Angle

| Connector Angle to be used in DASY system | 68.5 ° ± 1 ° |
|---|--------------|

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Page 3 of 5

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Rev: 01

Page: 9 of 63

Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

| High Range | Reading (µV) | Difference (µV) | Error (%) |
|-------------------|--------------|-----------------|-----------|
| Channel X + Input | 199989.64 | -1.90 | -0.00 |
| Channel X + Input | 20001,91 | 0,52 | 0.00 |
| Channel X - Input | -19999.87 | 1,77 | -0.01 |
| Channel Y + Input | 199990.64 | -0.90 | -0.00 |
| Channel Y + Input | 19999.85 | -1.50 | -0.01 |
| Channel Y - Input | -20003.55 | -1.93 | 0.01 |
| Channel Z + Input | 199993.26 | 1.72 | 0.00 |
| Channel Z + Input | 19998.83 | -2.48 | -0.01 |
| Channel Z - Input | -20003.66 | -2.00 | 0.01 |

| Low Range | Reading (µV) | Difference (µV) | Error (%) |
|-------------------|--------------|-----------------|-----------|
| Channel X + Inpu | 2000,58 | -0.17 | -0.01 |
| Channel X + Inpu | 201.86 | 0.70 | 0,35 |
| Channel X - Input | -198.61 | 0.13 | -0.07 |
| Channel Y + Inpu | 2000.35 | -0.48 | -0.02 |
| Channel Y + Inpu | 200.34 | -0,78 | -0.39 |
| Channel Y - Input | -200.76 | -2.00 | 1,00 |
| Channel Z + Inpu | 2000.19 | -0.54 | -0.03 |
| Channel Z + Inpu | 199.96 | -1.10 | -0.55 |
| Channel Z - Input | -199.80 | -0.91 | 0.46 |

2. Common mode sensitivity

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

| | Input Voltage (mV) | High Range Average Reading (μV) | Low Range Average Reading (μV) |
|-----------|--------------------|------------------------------------|-----------------------------------|
| Channel X | 200 | -1.73 | -3.63 |
| | - 200 | 5.50 | 3.14 |
| Channel Y | 200 | -0.28 | 0.20 |
| | - 200 | -2.79 | -3.02 |
| Channel Z | 200 | -14,37 | -14,41 |
| | - 200 | 13.41 | 13,00 |

3. Channel separation

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

| | Input Voltage (mV) | Channel X (µV) | Channel Y (µV) | Channel Z (µV) |
|-----------|--------------------|----------------|----------------|----------------|
| Channel X | 200 | | 0.59 | -2.26 |
| Channel Y | 200 | 4.96 | 100 | 2.08 |
| Channel Z | 200 | 8.67 | 2.37 | |

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Page 4 of 5

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Rev: 01

Page: 10 of 63

4. AD-Converter Values with inputs shorted

| | High Range (LSB) | Low Range (LSB) |
|-----------|------------------|-----------------|
| Channel X | 16090 | 15445 |
| Channel Y | 16165 | 16597 |
| Channel Z | 16319 | 16701 |

Input Offset Measurement
 DASY measurement parameters: Auto Zero Tirne; 3 sec; Measuring time: 3 sec input 10MΩ

| | Average (μV) | min. Offset (μV) | max. Offset (μV) | Std. Deviation (µV) |
|-----------|--------------|------------------|------------------|------------------------|
| Channel X | -0.30 | -1.90 | 1.08 | 0.48 |
| Channel Y | -1.12 | -2.27 | 0.05 | 0.45 |
| Channel Z | -0.69 | -1.94 | 0.93 | 0.43 |

6. Input Offset Current

Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

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

B. Low Battery Alarm Voltage (Typical

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

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

Certificate No: DAE4-1665 Mar21

Page 5 of 5

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Rev: 01

Page: 11 of 63

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





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Accreditation No.: SCS 0108

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SGS-TW (Auden)

Certificate No: EX3-3770_Apr21

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:3770

Calibration procedure(s)

QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v6, QA CAL-23.v5,

QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date:

April 28, 2021

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

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

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards | ID | Cal Date (Certificate No.) | Scheduled Calibration |
|----------------------------|------------------|-----------------------------------|------------------------|
| Power meter NRP | SN: 104778 | 09-Apr-21 (No. 217-03291/03292) | Apr-22 |
| Power sensor NRP-Z91 | SN: 103244 | 09-Apr-21 (No. 217-03291) | Apr-22 |
| Power sensor NRP-Z91 | SN: 103245 | 09-Apr-21 (No. 217-03292) | Apr-22 |
| Reference 20 dB Attenuator | SN: CC2552 (20x) | 09-Apr-21 (No. 217-03343) | Apr-22 |
| DAE4 | SN: 660 | 23-Dec-20 (No. DAE4-660_Dec20) | Dec-21 |
| Reference Probe ES3DV2 | SN: 3013 | 30-Dec-20 (No. ES3-3013_Dec20) | Dec-21 |
| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
| Power meter E44198 | SN: GB41293874 | 06-Apr-16 (in house check Jun-20) | In house check: Jun-22 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-20) | In house check: Jun-22 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-20) | In house check: Jun-22 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-20) | In house check: Jun-22 |
| Network Analyzer E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-20) | In house check: Oct-21 |
| | | | |

Name Signature Calibrated by Jeton Kastati Laboratory Technician Katja Pokovic Approved by: Technical Manager Issued: May 12, 2021 This calibration certificate shall not be reproduced except in full without written approval of the laboratory

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Page 1 of 10

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Rev: 01

Page: 12 of 63

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Glossary:

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

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

Polarization φ φ rotation around probe axis

Polarization 9 9 rotation around an axis that is in the plane normal to probe axis (at measurement center).

i.e., $\theta = 0$ 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) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement

Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013

b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-

held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)*, July 2016

IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)*, March 2010

d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization 9 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide).
 NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is
 implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included
 in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z; A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

Certificate No: EX3-3770_Apr21

Page 2 of 10

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Rev: 01

Page: 13 of 63

EX3DV4 - SN:3770 April 28, 2021

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3770

Basic Calibration Parameters

| A SAME TAPETOR OF | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|--|----------|----------|----------|-----------|
| Norm (µV/(V/m) ²) ^A | 0.29 | 0.30 | 0.35 | ± 10.1 % |
| DCP (mV) ^B | 103.6 | 103.2 | 106.3 | |

Calibration Regults for Modulation Response

| UID | Communication System Name | | A dB | B dB√μV | С | D dB | VR mV | Max dev. | Unc* (k=2) |
|-----|---------------------------|---|---------|------------|-----|---------|----------|-------------|---------------|
| 0 | CW | X | 0.0 | 0.0 | 1.0 | 0.00 | 156.3 | ±3.3 % | ±4.7% |
| | | Y | 0.0 | 0.0 | 1.0 | | 141.8 | | |
| | 1 | Z | 0.0 | 0.0 | 1.0 | | 157.4 | | |

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: EX3-3770_Apr21

Page 3 of 10

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

Numerical linearization parameter: uncertainty not required.

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



Rev: 01

Page: 14 of 63

EX3DV4— SN:3770 April 28, 2021

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3770

Other Probe Parameters

| Sensor Arrangement | Triangular |
|---|------------|
| Connector Angle (°) | 163 |
| 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.

Certificate No: EX3-3770_Apr21

Page 4 of 10

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Rev: 01

Page: 15 of 63

EX3DV4- SN:3770 April 28, 2021

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3770

Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) ^C | Relative Permittivity F | Conductivity (S/m) ^F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k=2) |
|----------------------|----------------------------|------------------------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 450 | 43.5 | 0.87 | 10.53 | 10.53 | 10.53 | 0.16 | 1.30 | ± 13.3 % |
| 750 | 41.9 | 0.89 | 10.10 | 10.10 | 10.10 | 0.35 | 0.89 | ± 12.0 9 |
| 835 | 41.5 | 0.90 | 9.80 | 9.80 | 9.80 | 0.26 | 1.17 | ± 12.0 9 |
| 900 | 41.5 | 0.97 | 9.66 | 9.66 | 9.66 | 0.35 | 0.80 | ±12.09 |
| 1450 | 40.5 | 1.20 | 8.74 | 8.74 | 8.74 | 0.35 | 0.80 | ± 12.0 % |
| 1750 | 40.1 | 1,37 | 8.61 | 8.61 | 8.61 | 0.25 | 0.86 | ± 12.0 % |
| 1900 | 40.0 | 1.40 | 8.29 | 8.29 | 8.29 | 0.25 | 0.86 | ± 12.0 9 |
| 2000 | 40.0 | 1.40 | 8.20 | 8.20 | 8.20 | 0.32 | 0.86 | ± 12.0 9 |
| 2300 | 39.5 | 1.67 | 7.94 | 7.94 | 7.94 | 0.31 | 0.90 | ± 12.0 % |
| 2450 | 39.2 | 1.80 | 7,67 | 7.67 | 7.67 | 0.29 | 0.90 | ± 12.0 % |
| 2600 | 39.0 | 1.96 | 7.44 | 7.44 | 7.44 | 0.30 | 0.90 | ± 12.0 9 |
| 3300 | 38.2 | 2.71 | 7.10 | 7.10 | 7.10 | 0.35 | 1.30 | ± 13,1 % |
| 3500 | 37.9 | 2.91 | 6.80 | 6.80 | 6.80 | 0.35 | 1.30 | ± 13.1 % |
| 3700 | 37.7 | 3.12 | 6.75 | 6.75 | 6.75 | 0.35 | 1.30 | £13.19 |
| 3900 | 37.5 | 3,32 | 6.45 | 6.45 | 6.45 | 0.40 | 1,60 | ± 13.1 9 |
| 4100 | 37.2 | 3,53 | 6.40 | 6.40 | 6,40 | 0.40 | 1.60 | ± 13.19 |
| 4200 | 37.1 | 3.63 | 6.30 | 6.30 | 6.30 | 0.40 | 1.60 | ±13.19 |
| 4400 | 36.9 | 3.84 | 6.15 | 6.15 | 6.15 | 0.40 | 1.60 | ±13.19 |
| 4600 | 36.7 | 4.04 | 6.10 | 6.10 | 6.10 | 0.40 | 1.80 | ± 13.1 9 |
| 4800 | 36,4 | 4.25 | 6.05 | 6.05 | 6.05 | 0.40 | 1.80 | ±13.19 |
| 4950 | 36.3 | 4.40 | 5.85 | 5.85 | 5.85 | 0.40 | 1.80 | ± 13.1 % |
| 5250 | 35.9 | 4.71 | 5.61 | 5.61 | 5.61 | 0.40 | 1.80 | ± 13.1 % |
| 5600 | 35.5 | 5.07 | 4.90 | 4.90 | 4.90 | 0.40 | 1.80 | ± 13,1 % |
| 5750 | 35.4 | 5,22 | 4.95 | 4.95 | 4.95 | 0.40 | 1.80 | ± 13.1 % |

Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10.25.4 (b, 50 and 70 MHz for ConvF assessments at 30, 64, 126, 150 and 220 MHz respectively. Validity of ConvF assessed at 8 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

At frequencies below 3 GHz, the validity of lissue parameters (c and a) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR Values. At frequencies above 3 GHz, the validity of tissue parameters (c and a) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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.

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Page 5 of 10

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Rev: 01

Page: 16 of 63

EX3DV4- SN:3770 April 28, 2021

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3770

Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) C | Relative Permittivity ^f | Conductivity (S/m) F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k=2) |
|-----------|---------------------------------------|-------------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 6500 | 34.5 | 6,07 | 5.65 | 5.65 | 5.65 | 0.20 | 2.00 | ± 18.6 % |
| 7000 | 33,9 | 6.65 | 5.45 | 5.45 | 5.45 | 0.20 | 1.50 | ±18.6 % |

E Frequency validity above BGHz is ± 700 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for

Frequency validity above BGHz is ± 700 MHz. The uncertainty is the NGS of the Control interesting to the Indicated frequency band.

All frequencies 6-10 GHz, the validity of tissue parameters (x and n) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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. Letow ± 2% for frequencies between 6-10 GHz at any distance targer than half the probe tip diameter from the boundary.

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Page 6 of 10

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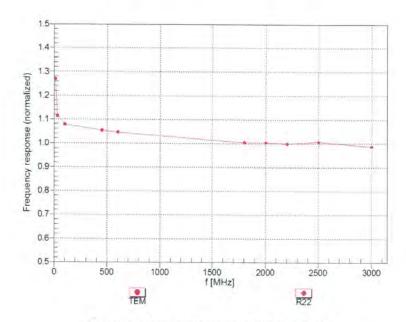


Rev: 01

Page: 17 of 63

EX3DV4- SN:3770 April 28, 2021

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



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

Certificate No: EX3-3770_Apr21 Page 7 of 10

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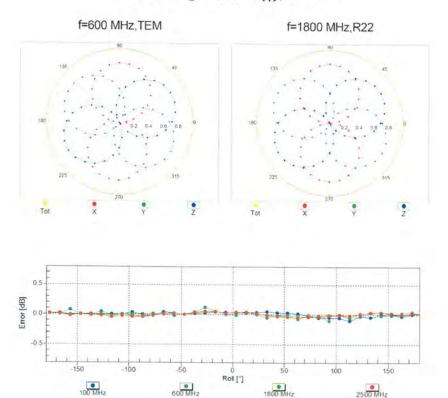


Rev: 01

Page: 18 of 63

EX3DV4-SN:3770 April 28, 2021

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



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

Certificate No: EX3-3770 Apr21

Page 8 of 10

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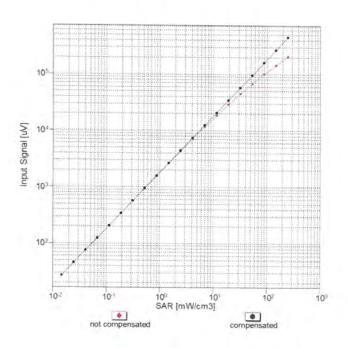
Rev: 01

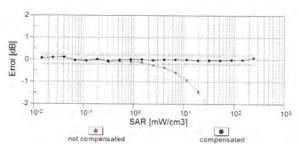
Page: 19 of 63

April 28, 2021

EX3DV4-SN:3770

Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)





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

Certificate No: EX3-3770_Apr21

Page 9 of 10

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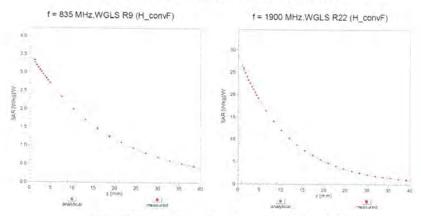


Rev: 01

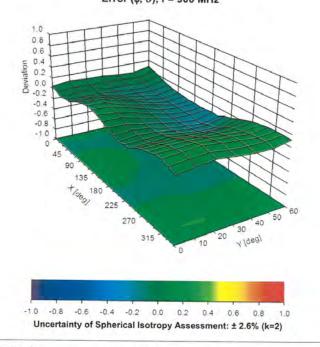
Page: 20 of 63

EX3DV4-SN:3770 April 28, 2021

Conversion Factor Assessment



Deviation from Isotropy in Liquid Error (φ, θ), f = 900 MHz



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Rev: 01

Page: 21 of 63



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Rev: 01

Page: 22 of 63

Calibration Laboratory of Engineering AG
Engineering AG
S004 Zurich, Switze





Accreditation No.: SCS 0108

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

Glossary:

TSL NORMX,y,z ConvF DCP CF A, B, C, D Polarization

Polarization () Polarization 8

Itissue simulating liquid sensitivity in free space sensitivity in TSL / NORMx,y,z diode compression point creat factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters or rotation around probe axis. S rotation around an axis that is in the plane normal to probe axis (st measurement center), i.e., 3 = 0 is normal to probe axis information used in DASY system to align probe sensor X to the robot coordinate system

Connector Angle

Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Davices: Measurement Techniques", June 2013

b) IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handhald and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2015

c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication device used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010

d) KDB 885664, "SAR Measurement Requirements for 100 MHz to 6 GHz", March 2010

- Methods Applied and Interpretation of Parameters:

 NORMx,y,z: Assessed for E-field polarization is = 0 (f ≤ 900 MHz in TEM-cell; T > 1800 MHz: R22 waveguide).
 NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMs,y,z does not affect the E²-field uncertainty inside TSL (see below Corw?).
 - uncertainty inside TSL (see below ConvF). $NORM(N,y,z=NORMx,y,z^*)$ frequency response (see Frequency Response Chart). This linearization is implamented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF. DCPA,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media. PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.

 - PAR: s the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics, st., Dx,y.z.; VRx,y.z. A, B, C, D are numerical linearization parameters assessed based on the date 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. Convir and Boundary Effect Parameters. Assessed in fall phantom using E-field (or Temperature Transfer Standard for f s 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 NORMs.y. 2* Convir whereby the uncertainty corresponds to that given for Convir 5* frequency dependent Convir 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 enterna.

 Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis), No tolerance required.

 Connector Anglic: The angle is assessed using the information gained by determining the NORMs (no uncertainty required).

Certificate No: EX3-7466 Jan21

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Rev: 01

Page: 23 of 63

January 29, 2021

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7466

| | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|--|----------|----------|----------|-----------|
| Norm (µV/(V/m) ²) ^A | 0.45 | 0.39 | 0,61 | ± 10.1 % |
| DCP (mV) ^B | 101,3 | 97.4 | 96.4 | |

| aiu | Communication System Name | | dB. | d8õV | C | dB | WR mV | Max dev. | Max Unct (k=2) |
|--------|---------------------------------|----|-------|--------|--------|-------|----------|-------------|----------------------|
| 0 | CW | × | 0.00 | 0.00 | 1.00 | 0.00 | 150.5 | ±2.2% | ±4.7% |
| U | 0.11 | Y | 0.00 | 0.00 | 1.00 | | 143.0 | | |
| | | -2 | 0.00 | 0.00 | 1.00 | | 156.1 | | |
| 10352- | Pulse Waveform (200Hz, 10%) | X | 6.41 | 75.26 | 13.91 | 10.00 | 60.0 | ±2.6% | # 9,6 % |
| AAA | Total Indiana (Research 1999) | Y | 1.66 | 61.84 | 7.61 | | 60.0 | | |
| | | Z | 20.00 | 95.49 | 22.81 | | 60.0 | | |
| 10353- | Pulse Waveform (200Hz, 20%) | × | 20.00 | 87.76 | 16.55 | 6.99 | 80.0 | ± 2.1 % | ± 9.6 % |
| AAA. | I also have an inches | V | 0.78 | 60.01 | 5.70 | | 80.0 | | |
| | | Z | 20.00 | 109.03 | 28.37 | | 80.0 | | |
| 10354- | Pulse Waveform (200Hz, 40%) | X | 20.00 | 114.67 | 27.40 | 3.98 | 95.0 | ±20% | ± 9.6 % |
| AAA. | Care Manager Charles and and | Y | 0.39 | 60.00 | 4.96 | | 95.0 | | State of the |
| 777 | | 2 | 20.00 | 151.84 | 46.68 | | 95.0 | | 1000 |
| 10355- | Pulse Waveform (200Hz, 60%) | X | 0.17 | 152.80 | 100.00 | 2.22 | 120.0 | ±2.2 % | ±9.6% |
| AAA | The proposition of the property | Y | 0.25 | 61.07 | 5.62 | | 120.0 | | 1000 |
| | | 2 | 2.52 | 160.00 | 62.06 | | 120,0 | | |
| 10387- | QPSK Waveform, 1 MHz | X | 6.66 | 93.59 | 26.49 | 1,00 | 150.0 | ±2,9 % | ±9.6 % |
| AAA. | St St Hardellin I mer | Y | 1.60 | 67.46 | 15.34 | | 150.0 | | |
| | the second second | Z | 2.22 | 71.55 | 18.47 | | 150.0 | | 1000 |
| 10388- | QPSK Waveform, 10 MHz | X | 3.86 | 80.00 | 22.12 | 0.00 | 150.0 | ±28% | ± 9.6 % |
| AAA | | Y | 2.06 | 67.36 | 15.67 | | 150.0 | - | |
| | the second second | Z | 3.04 | 73.63 | 19.08 | | 150.0 | | |
| 10396- | 64-QAM Waveform, 100 kHz | X | 3.32 | 77.52 | 23.54 | 3.01 | 150.0 | ±2.5 % | ± 9.6 % |
| AAA | | Y | 1.82 | 64.05 | 15,97 | | 150.0 | 2000 | |
| | | 2 | 2.79 | 71.10 | 20.57 | - | 150.0 | | |
| 10399- | 64-QAM Waveform, 40 MHz | X | 3.98 | 70,45 | 18.12 | 0.00 | 150.0 | ± 2.8 % | ±9.6 % |
| AAA | | Y | 3.42 | 66.88 | 15.76 | | 150.0 | | 177 |
| | | 2 | 3.84 | 68.75 | 17.14 | | 150,0 | | |
| 10414- | WLAN CCDF, 64-QAM, 40MHz | X | 4.99 | 67.25 | 16.87 | 0,00 | 150.0 | ±2.8% | ±9.6% |
| AAA | | Y | 4,68 | 65.67 | 15.59 | 130 | 150.0 | | 1000 |
| | | 7 | 5.05 | 66.21 | 16.27 | | 150.0 | | |

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: EX3-7466_Jan21

Page 3 of 24

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entanties of Norm X,Y,Z do not affect the E⁻¹-field uncentainty inside TSL (see Pages S, 6 and 7) all linearization parameter, uncertainty not required, rify is determined using the max, sevalution from Remain response applying rectargular distribution and is expressed for the occurre of the



Rev: 01

Page: 24 of 63

January 29, 2021

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7466

| | C1 fF | C2 fF | α V-1 | ms,V-i | ms,V-1 | T3 ms | T4 V-2 | T5 V-1 | T.6 |
|---|----------|----------|----------|--------|--------|----------|-----------|-----------|------|
| X | 32.4 | 242.77 | 36.31 | 3,66 | 0.00 | 5.01 | 1.37 | 0.00 | 1.01 |
| Y | 30.4 | 225.35 | 35,05 | 3.07 | 0.00 | 4.90 | 0.00 | 0.11 | 1.00 |
| Z | 47.2 | 365.07 | 38.23 | 8.11 | 0.00 | 5.10 | 0.00 | 0.33 | 1.01 |

| Sensor Arrangement | Triangular |
|---|------------|
| Connector Angle (*) | 148,1 |
| Mechanical Surface Detection Mode | enabled |
| Optical Surface Detection Mode | disabled |
| Probe Overall Length | 337 mm |
| Probe Body Diameter | 10 mm |
| Tip Length | 9 mm |
| Tip Diameter | 2,5 mm |
| Probe Tip to Sensor X Calibration Point | 1 mm |
| Probe Tip to Sensor Y Calibration Point | 1 mm |
| Probe Tip to Sensor Z Calibration Point | 1 mm |
| Recommended Measurement Distance from Surface | 1.4 mm |

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

Certificate No: EX3-7466_Jan21

Page 4 of 24

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Rev: 01

Page: 25 of 63

January 29, 2021

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7466

Calibration Parameter Determined in Head Tissue Simulating Madia

| f (MHz) ^C | Relative Permittivity ^F | Conductivity (S/m) | ConvF.X | ConvF Y | ConvF Z | Alpha ^G | Depth (mm) | Unc (k=2) |
|----------------------|---------------------------------------|-----------------------|---------|---------|---------|--------------------|------------|--------------|
| 600 | 42.7 | 0.88 | 10.92 | 10.92 | 10.92 | 0.06 | 1.20 | ± 13.3 % |
| 750 | 41.9 | 0.89 | 10.27 | 10.27 | 10.27 | 0.45 | 1.00 | ± 12.0 % |
| 835 | 41.5 | 0.90 | 10.11 | 10.11 | 10,11 | 0.45 | 0.91 | ± 12.0 % |
| 900 | 41.5 | 0.97 | 9,83 | 9.83 | 9.83 | 0.39 | 0.97 | ± 12.0 % |
| 1450 | 40.5 | 1.20 | 9.46 | 9,46 | 9.46 | 0.30 | 0.80 | ± 12.0 % |
| 1750 | 40.1 | 1.37 | 9.07 | 9.07 | 9.07 | 0.32 | 0.80 | ± 12.0 % |
| 1900 | 40.0 | 1.40 | 8.71 | 8.71 | 8.71 | 0.29 | 0.80 | ± 12.0 % |
| 2000 | 40.0 | 1.40 | 8.60 | 8.60 | 8.60 | 0.32 | 0.85 | ± 12.0 % |
| 2300 | 39.5 | 1.67 | 8.47 | 8.47 | 8.47 | 0.28 | 0.90 | ± 12.0 % |
| 2450 | 39.2 | 1.80 | 8.08 | 8.08 | 8.08 | 0.27 | 0.90 | ± 12.0 % |
| 2600 | 39.0 | 1.96 | 7.82 | 7.82 | 7.82 | 0.38 | 0.90 | ± 12.0 % |
| 3300 | 38.2 | 2.71 | 7.34 | 7.34 | 7,34 | 0.30 | 1.30 | ± 13.1 % |
| 3500 | 37.9 | 2.91 | 7,10 | 7.10 | 7,10 | 0.35 | 1.30 | ±13.1% |
| 3700 | 37.7 | 3.12 | 6.98 | 6.98 | 6.98 | 0.35 | 1.30 | ± 13.1 % |
| 3900 | 37.5 | 3.32 | 6.80 | 6.80 | 6.80 | 0.35 | 1,60 | ±13,1% |
| 4100 | 37.2 | 3,53 | 6.70 | 6.70 | 6.70 | 0.35 | 1.60 | ± 13.1 % |
| 4200 | 37.1 | 3.63 | 6.59 | 6.59 | 6.59 | 0.40 | 1.70 | ± 13,1 % |
| 4400 | 36.9 | 3.84 | 6.32 | 6.32 | 6.32 | 8.40 | 1.70 | ± 13.1 % |
| 4600 | 36.7 | 4.04 | 6.34 | 6.34 | 6.34 | 0.40 | 1.70 | ±13.1% |
| 4800 | 36.4 | 4.25 | 6.30 | 6.30 | 6.30 | 0.40 | 1.70 | ± 13.1 % |
| 4950 | 36,3 | 4.40 | 6.04 | 6.04 | 6.04 | 0.40 | 1.80 | ± 13.1 % |
| 5200 | 36.0 | 4,66 | 5.60 | 5.60 | 5,60 | 0.40 | 1.80 | ± 13.1 % |
| 5300 | 35,9 | 4,76 | 5.50 | 5.50 | 5.50 | 0.40 | 1.80 | ± 13.1 % |
| 5600 | 35,5 | 5.07 | 5.04 | 5.04 | 5.04 | 0.40 | 1.80 | ± 13.1 % |
| 5800 | 35.3 | 5.27 | 5.02 | 5.02 | 5.02 | 0.40 | 1.80 | ± 13.1 % |

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Rev: 01

Page: 26 of 63

January 29, 2021

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7466

| f (MHz) E | Relative Permittivity | Conductivity (S/m) | ConvF X | ConvF Y | ConvF Z | Alpha ^o | Depth (mm) | Unc (k=2) |
|-----------|--------------------------|-----------------------|---------|---------|---------|--------------------|------------|--------------|
| 600 | 56.1 | 0.95 | 11,08 | 11.08 | 11.08 | 0.10 | 1.20 | ± 13.3 % |
| 750 | 55.5 | 0.96 | 10.56 | 10.56 | 10.56 | 0.39 | 0.83 | ± 12.0 % |
| 835 | 55.2 | 0.97 | 10.29 | 10.29 | 10.29 | 0.40 | 0.80 | ± 12.0 % |
| 900 | 55.0 | 1.05 | 9.98 | 9.98 | 9.98 | 0.26 | 1.08 | ± 12.0 % |
| 1750 | 53.4 | 1.49 | 8,69 | 8.89 | 8.69 | 0.31 | 0.85 | ± 12.0 % |
| 1900 | 53.3 | 1.52 | 8.30 | 8.30 | 8.30 | 0.17 | 1.27 | ± 12.0 % |
| 2000 | 53.3 | 1.52 | 8.26 | 8.26 | 8.26 | 0.29 | 0.92 | ± 12.0 % |
| 2300 | 52.9 | 1.81 | 8.22 | 8.22 | 8.22 | 0.34 | 0.88 | ± 12.0 % |
| 2450 | 52.7 | 1.95 | 7.99 | 7.99 | 7.99 | 0.33 | 0.95 | ± 12.0 % |
| 2600 | 52.5 | 2.16 | 7.85 | 7.85 | 7.85 | 0.32 | 0.95 | ± 12.0 % |
| 3300 | 51.6 | 3.08 | 6.67 | 6,67 | 6.67 | 0.40 | 1.35 | ± 13.1 % |
| 3500 | 51.3 | 3.31 | 6.65 | 6.65 | 6.65 | 0.40 | 1.35 | ± 13.1 % |
| 3700 | 51.0 | 3.55 | 6.60 | 6,60 | 6.60 | 0.40 | 1.30 | ± 13.1 % |
| 3900 | 51.2 | 3.78 | 6.23 | 8.23 | 6.23 | 0.40 | 1.70 | ± 13.1 % |
| 4100 | 50.5 | 4.01 | 6.09 | 6.09 | 6.09 | 0,40 | 1.70 | ± 13.1.% |
| 4200 | 50.4 | 4.13 | 5.88 | 5.88 | 5.88 | 0.50 | 1.80 | ± 13.1 % |
| 4400 | 50.1 | 4.37 | 5.77 | 5.77 | 5.77 | 0.50 | 1.80 | ± 13.1 % |
| 4600 | 49.8 | 4.60 | 5.69 | 5.69 | 5.69 | 0.50 | 1.80 | ±13.1% |
| 4800 | 49.6 | 4.83 | 5.62 | 5.62 | 5.62 | 0.50 | 1.80 | ± 13.1 % |
| 4950 | 49.4 | 5.01 | 5.39 | 5.39 | 5.39 | 0.50 | 1.90 | ± 13.1 % |
| 5200 | 49.0 | 5.30 | 5.00 | 5.00 | 5.00 | 0.50 | 1.90 | ±13.1 % |
| 5300 | 48.9 | 5.42 | 4.90 | 4.90 | 4.90 | 0.50 | 1.90 | ± 13.1 % |
| 5600 | 48.5 | 5.77 | 4.30 | 4.30 | 4.30 | 0.50 | 1,90 | ± 13.1 % |
| 5800 | 48.2 | 6.00 | 4.41 | 4.41 | 4.41 | 0.50 | 1.90 | ± 13.1 % |

Certificate No: EX3-7466_Jan21

Page 6 of 24

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Rev: 01

Page: 27 of 63

EX3DV4- SN 7466

January 29, 2021

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7466

Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) C | Relative Permittivity ^F | Conductivity (S/m) F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^d (mm) | Unc (k=2) |
|-----------|---------------------------------------|-------------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 6500 | 34.5 | 6.07 | 5.70 | 5.70 | 5.70 | 0.20 | 2.50 | ± 18,6 % |
| 7000 | 33.9 | 6.65 | 5.85 | 5.85 | 5.85 | 0.20 | 2.00 | ± 18.6 % |
| 8000 | 32.7 | 7.84 | 5.60 | 5,60 | 5.60 | 0.40 | 1.80 | ± 18.6 % |
| 9000 | 31.5 | 9.08 | 5.45 | 5.45 | 5.45 | 0.50 | 1.80 | ± 18.6 % |

Certificate No: EX3-7466_Jan21

Page 7 of 24

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Rev: 01

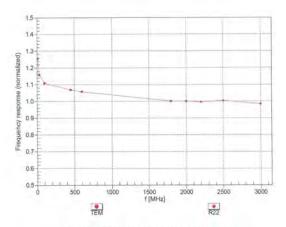
Page: 28 of 63

EX3DV4- SN:7466

January 29, 2021

Frequency Response of E-Field

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



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

Certificate No: EX3-7466_Jan21

Page 8 of 24

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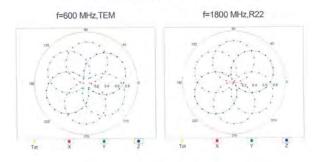


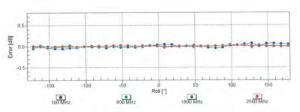
Rev: 01

Page: 29 of 63

January 29, 2021 EX3DV4- SN:7466

Receiving Pattern (\$\phi\$), 9 = 0°





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

Page 9 of 24

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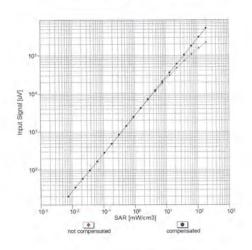
Rev: 01

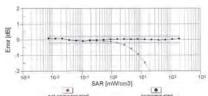
Page: 30 of 63

EX3DV4-SN:7466

January 29, 2021

Dynamic Range f(SAR_{head}) (TEM cell , feval= 1900 MHz)





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

Certificate No: EX3-7466_Jan21

Page 10 of 24

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Rev: 01

Page: 31 of 63

EX3DV4- SN:7466 January 29, 2021 **Conversion Factor Assessment** f = 1900 MHz, WGLS R22 (H_convF) Deviation from Isotropy in Liquid Error (ø, ð), f = 900 MHz -0.8 -0.6 -0.4 -0.2 0.0 0.2 0.4 0.6 Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

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Certificate No: EX3-7466_Jan21

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Rev: 01

Page: 32 of 63

EX3DV4-SN:7466

January 29, 2021

Appendix: Modulation Calibration Parameters

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc* (k=2) |
|-------|-----|--|------------|--------------|---------------|
| 0 | | CW | CW | 0,00 | ±4.7% |
| 10010 | CAA | SAR Validation (Square, 100ms, 10ms) | Test | 10,00 | ±9.6 % |
| 10011 | CAB | UMTS-FDD (WCDMA) | WODMA | 2.91 | ±9.6 % |
| 10012 | CAB | IEEE 802.11b WiF) 2.4 GHz (DSSS, 1 Mbps) | WLAN | 1.87 | ± 9.6 % |
| 10013 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | WLAN | 9.46 | ±9.6 % |
| 10021 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ±9.6 % |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | ±9.6 % |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 6.56 | ± 9.6 % |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0) | GSM | 12.62 | ± 9.6 % |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9,55 | ± 9.6 % |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | GSM | 4,80 | ±9.6% |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-2) | 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) | Bluelooth | 5.30 | ±9.6 % |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3) | Billetooth | 1.87 | ± 9.6 % |
| 10032 | CAA | (EEE 802.15.1 Bluetooth (GFSK, DH5) | Bluelooth | 1.16 | ± 9.6 % |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) | Bluelooth | 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 (PV4-DQPSK, DH5) | Bluetooth | 3.83 | ± 9.6 % |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1) | Bluetooth | 8.01 | ±9.6% |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Bluetooth | 4.77 | ± 9.6 % |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5) | Bluetooth | 4.10 | ± 9.6 % |
| 10039 | CAB | CDMA2000 (1xRTT; RC1) | CDMA2000 | 4.57 | ± 9.6 % |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS | 7.78 | ± 9.6 % |
| 10044 | GAA | 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 Mops) | TD-SCDMA | 11.01 | ± 9.6 % |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | ± 9.6 % |
| 10059 | CAB | IEEE 802.11b WiFI 2.4 GHz (DSSS, 2 Mbps) | WLAN | 2.12 | ± 9.6 % |
| 10060 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps) | WLAN | 2.83 | ± 9.6 % |
| 10061 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) | WLAN | 3.60 | ±9.6% |
| 10062 | | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) | WLAN | 8.68 | ±9.6 % |
| 10063 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) | WLAN | 8.63 | ± 9.6 % |
| 10064 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM. 12 Mbps) | WLAN | 9.09 | ± 9.6 % |
| 10065 | | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) | WLAN | 9.00 | ± 9.6 % |
| 10066 | CAD | IEEE 802.11ah WiFi 5 GHz (OFDM, 24 Mbps) | WLAN | 9.38 | ± 9.6 % |
| 10067 | CAD | IEEE 802 11am WIFI 5 GHz (OFDM: 36 Mbps) | WLAN | 10.12 | ±9.6% |
| 10068 | CAD | IEEE 802.11ah WIFI 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | ± 9.6 % |
| 10069 | CAD | IEEE 802.11a/h WiFI 5 GHz (OFDM, 48 Mbps) | WLAN | 10.56 | ± 9.6 % |
| 10009 | CAD | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps) | WLAN | 9.83 | ± 9.6 % |
| 10071 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps) | WLAN | 9.63 | ± 9.6 % |
| 10072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.94 | ±9.63 |
| 10073 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mpps) | WLAN | 10.30 | ±9.65 |
| 10074 | CAB | IEEE 802.11g WiFi 2.4 GHz (USSS/OFDM, 24 Mbps) | WLAN | 10.77 | ±9.67 |
| 10076 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 36 Mbps) | WLAN | 10.77 | ±9.6 9 |
| 10076 | CAB | IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 48 MDps) | WLAN | 11.00 | ±9.65 |
| | CAB | | CDMA2000 | 3.97 | |
| 10081 | CAB | COMA2000 (1xRTT, RC3) IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS | | ± 9.6 9 |
| 10082 | CAB | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 4.77 6.56 | ± 9.6 9 |
| 10090 | DAC | | WCDMA | 3.98 | ±9.69 |
| 10097 | CAC | UMTS-FOD (HSDPA) | WCDMA | | |
| 10098 | DAC | UMTS-FDD (HSUPA, Subtest 2) | WCDMA | 3.98 | ± 9.6 9 |

Cartificate No: EX3-7466_Jan21

Page 12 of 24

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Rev: 01

Page: 33 of 63

| 10100 10101 10102 10103 10104 10105 | GAC GAC GAB | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-FDD | 5.67 | |
|--|-------------------|---|---------|-------|---------|
| 10101 10102 10103 10104 10105 | CAB | | | 3.07 | ±9.6 % |
| 10103 10104 10105 | | LTE-FDD (SC-FDMA, 100% RB, 20 MHz. 16-QAM) | LTE-FDD | 6.42 | ±9.6 % |
| 10104 | | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.6 % |
| 0104 0105 | DAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6 % |
| 0105 | CAE | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.97 | ± 9.6 % |
| 10108 | CAE | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.01 | ±9.6% |
| | CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-FDD | 5.80 | ± 9.6 % |
| 10109 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10110 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 % |
| 10111 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.44 | ± 9.6 % |
| 10112 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.59 | ±9.6 % |
| 10113 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-FD0 | 6.62 | ±9.6 % |
| 10114 | CAG | IEEE 802,11n (HT Greenfield, 13,5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| 10115 | CAG | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | WLAN | 8.46 | 19.6% |
| 10116 | CAG | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN | 8.15 | ± 9.6 % |
| 10117 | CAG | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8,07 | ± 9.6 % |
| 10115 | CAD | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | WLAN | 8.59 | ±9.6% |
| 10119 | CAD | IEEE 802.11n (HT Mixed, 135 Mbps. 64-QAM) | WLAN | 8.13 | ±9.6% |
| 10140 | CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-FOD | 6.49 | ± 9.6 % |
| 10141 | CAD | LTE-FDD (SC-FDMA, 100W, RB, 15 MHz. 64-QAM) | LTE-FDD | 6.53 | ±9.6 % |
| 10142 | GAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-FOD | 5.73 | ±9.6 % |
| 10143 | CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.35 | ±9.6 % |
| 10144 | CAC | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.65 | ±9.6 % |
| 10145 | CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.76 | ±9.6 % |
| 10146 | CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.41 | ± 9.6 % |
| 10147 | CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.72 | ±9.6% |
| 10149 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 % |
| 10150 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz. 64-QAM) | LTE-FDD | 6.60 | ±9.6 % |
| 10151 | CAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz. QPSK) | LTE-TDD | 9.28 | ± 9.6 % |
| 10152 | CAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.92 | ±9.6 % |
| 10153 | CAE | LTE-TOD (SC-FDMA, 50% RB, 20 MHz, 54-QAM) | LTE-TDD | 10.05 | ±9.6 % |
| 10154 | CAF | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-FD0 | 5.75 | 29.6% |
| 10155 | CAF | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10156 | CAF | LTE-FOD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-FDD | 5.79 | ± 9.6 % |
| 10157 | CAE | LTE-FOD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10158 | CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 % |
| 10159 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-FDD | 6,56 | ±9,6% |
| 10160 | CAG | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-FDD | 5.82 | ± 9,6 5 |
| 10161 | CAG | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10162 | CAG | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.58 | ±9.67 |
| 10166 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-F00 | 5.46 | ±9.6 % |
| 10167 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.21 | ±9.69 |
| 10168 | CAG | LTE-FDD (SC-FDMA, 50% RB. 1.4 MHz. 64-QAM) | LTE-FDD | 6.79 | ±9.6 % |
| 10169 | CAG | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 9 |
| 10170 | CAG | LTE-FDD (SC-FDMA, 1 RB, 20 MHz. 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10171 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz. 64-QAM) | LTE-FDD | 6.49 | ± 9.6 9 |
| 10172 | CAE | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10173 | CAE | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6.9 |
| 10174 | CAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz. 64-QAM) | LTE-TDD | 10.25 | ± 9,6 9 |
| 10175 | CAF | LTE-FDD (SC-FDMA, 1 RB, 10 MHz. QPSK) | LTE-FDD | 5.72 | ±9.69 |
| 10176 | CAF | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-FOO | 6.52 | ± 9.6 9 |
| 10177 | CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-FDD | 5.73 | ±9.63 |
| 10178 | CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 ° |
| 10179 | AAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz. 64-QAM) LTE-FDD (SC-FDMA, 1 RB, 5 MHz. 64-QAM) | LTE-FDD | 6.50 | ±9.6 9 |

Certificate No: EX3-7466 Jan21

Page 13 of 24

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Rev: 01

Page: 34 of 63

| 10181 | LCAG | LTE-FDD (SC-FDMA, 1 RB. 15 MHz, QPSK) | LTE-FDD | 5.72 | ±9.6% |
|-------|------|---|---------|-------|---------|
| 0182 | CAG | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10183 | CAG | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10184 | CAG | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, OPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10185 | CAL | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 18-QAM) | LTE-FDD | .6.51 | ± 9.6 % |
| 10186 | CAG | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10187 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10188 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.6 % |
| 10189 | CAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.50 | ±9.6 % |
| 10193 | CAE | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) | WLAN | 8.09 | ±9.6 % |
| 10194 | AAD | JEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | WLAN | 8.12 | ± 9.6 % |
| 10195 | CAE | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | WLAN | 8.21 | 19.6% |
| 10196 | CAE | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| 10197 | AAE | (EEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10198 | CAF | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) | WLAN | 8.27 | ±9.6% |
| 10219 | CAF | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN | 8.03 | ±9.6% |
| 10220 | AAF | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10221 | CAC | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) | WLAN | 8.27 | ±9.6% |
| 10222 | CAC | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) | WLAN | 8.06 | ±9.6 % |
| 10223 | CAD | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) | WLAN | 8.48 | ±9.6% |
| 10224 | CAD | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | WLAN | 8.08 | ±9.6 % |
| 10225 | CAD | UMTS-FDD (HSPA+) | WCDMA | 5.97 | ±9.6 % |
| 10226 | CAD | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-TDO | 9.49 | ±9.6 % |
| 10227 | CAD | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-TOD | 10.26 | ±9.6 % |
| 10228 | CAD | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TOD | 9.22 | ±9.6 % |
| 10229 | DAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-TOD | 9.48 | ±9.6 % |
| 10230 | CAC | LTE-TOD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-TDD | 10.25 | ±96% |
| 10231 | GAC | LTE-TOD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-TOD | 9.19 | ±9.6 % |
| 10232 | CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-TDD | 9.48 | ±9.6% |
| 10233 | CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10234 | CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, OPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10235 | CAD | LTE-TOD (SC-FDMA, 1 RB, 10 MHz. 16-QAM) | LTE-TOD | 9.48 | 19.6% |
| 10236 | CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6 % |
| 10237 | CAD | LTE-TOD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10238 | CAB | LTE-TOD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-TDD | 9.48 | ±9.6% |
| 10239 | CAB | LTE-TOD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-TOO | 10.25 | ±9.6 % |
| 10240 | CAB | LTE-TOD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10241 | CAB | LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.82 | ± 9.6 % |
| 10242 | CAD | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-TOD | 9.86 | ± 9.6 % |
| 10243 | CAD | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.46 | ± 9.6 % |
| 10244 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-TOD | 10.06 | ±9.6% |
| 10245 | CAG | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-TOD | 10.06 | ± 9.6 % |
| 10246 | CAG | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-TDD | 9.30 | ±9.6% |
| 10247 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.91 | 1965 |
| 10248 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.09 | ±9.6 9 |
| 10249 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6.9 |
| 10250 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.81 | ±9.69 |
| 10251 | CAF | LTE-TDD (SC-FDMA, 50% RB. 10 MHz. 64-QAM) | LTE-TDD | 10.17 | ± 9.6.1 |
| 10252 | CAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TDD | 9.24 | ± 9.6.9 |
| 10253 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-TDD | 9.90 | ±9.6 % |
| 10254 | CAB | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.14 | ±9.6% |
| 10255 | CAB | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-TDD | 9.20 | ± 9.6 % |
| 10256 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.96 | ± 9.6 % |
| 10257 | CAD | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.08 | ± 9.6 9 |
| 10258 | CAD | LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.34 | ±9.63 |
| 10259 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-TDD | 9.98 | ±9.63 |

Certificate No: EX3-7466_Jan21

Page 14 of 24

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Rev: 01

Page: 35 of 63

| 0260 | CAG | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-TDD | 9.97 | ±9.6 % |
|-------|-----|---|----------|-------|---------|
| 10260 | | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-TDD | 9.24 | ±9.6 % |
| 10262 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.83 | ±9.6 % |
| 10262 | CAG | LTE-TDD (SC-FDMA, 100% RB; 5 MHz, 64-QAM) | LTE-TDD | 10.16 | ±9.6 % |
| 10264 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-TDD | 9.23 | 19.6% |
| 10265 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.92 | ± 9.6 % |
| 10266 | CAE | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-TOO | 10.07 | ± 9.6 % |
| 10267 | CAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-TOO | 9.30 | +96% |
| 0268 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-TOO | 10.06 | ± 9.6 % |
| 10269 | CAB | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.13 | ±9.6% |
| 10270 | CAB | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-TDD | 9.58 | ± 9.6 % |
| 10274 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) | WCDMA | 4.87 | ± 9.6 % |
| 10275 | CAD | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | WCDMA | 3.96 | ± 9.6 % |
| 10277 | CAD | PHS (QPSK) | PHS | 11.81 | ± 9.6 % |
| 10278 | CAD | PHS (QPSK, BW 884MHz, Rolloff 0.5) | PHS | 11.81 | ± 9.6 % |
| 10279 | CAG | PHS (QPSK, BW 884MHz, Rolloff 0.3ll) | PHS | 12.18 | ± 9.6 % |
| 10290 | CAG | CDMA2000: RC1, SQ55, Full Rate | CDMA2000 | 3.91 | ± 9.6 % |
| 10291 | CAG | CDMA2000, RC3, SO55, Full Rate | CDMA2000 | 3.46 | ± 9.6 % |
| 10292 | CAG | CDMA2000, RC3, SO32, Full Rate | CDMA2000 | 3.39 | ± 9.6 % |
| 10293 | CAG | CDMA2000, RC3, SO3, Full Rate | CDMA2000 | 3.50 | ±9.6 % |
| 10295 | CAG | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | CDMA2000 | 12.49 | ± 9.6 % |
| 10297 | CAG | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-FOO | 5.81 | ±9.6 % |
| 10298 | CAF | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-FOO | 5.72 | ±9.6 % |
| 10299 | CAF | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.39 | ±9.6% |
| 10300 | CAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.6% |
| 10301 | CAC | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC) | WiMAX | 12.03 | ±9.6% |
| 10302 | CAB | IEEE 802,18e WIMAX (29,18, 5ms, 10MHz, QPSK, PUSC, 3CTRL) | WIMAX | 12.57 | ±9.6 % |
| 10302 | CAB | IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC) | WIMAX | 12.52 | ±9.6 % |
| 10303 | CAA | IEEE 802.16e WIMAX (29.18, 5ms, 10MHz, 64QAM, PUSC) | WIMAX | 11.86 | ±9.6% |
| 10305 | CAA | IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC) | WiMAX | 15.24 | ±9.6 % |
| 10306 | CAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC) | WiMAX | 14.67 | ± 9.6 % |
| 10307 | AAB | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC) | WMAX | 14.49 | ± 9.6 % |
| 10308 | AAB | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) | WIMAX | 14,46 | ± 9.6 % |
| 10309 | AAB | IEEE 802 16e WIMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3) | WMAX | 14.58 | ± 9.6 % |
| 10310 | AAB | IEEE 802.18e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3 | WMAX | 14.57 | ± 9.6 % |
| 10311 | AAB | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-FD0 | 6.06 | ± 9.6 % |
| 10313 | AAD | IDEN 1:3 | IDEN | 10.51 | ± 9.6 % |
| 10314 | AAD | /DEN 1:6 | IDEN | 13.48 | ± 9.6 % |
| 10315 | AAD | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc do) | WLAN | 1.71 | ±9.6% |
| 10316 | AAD | IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, IIEpc dc) | WLAN | 8.36 | ± 9.6 % |
| 10317 | AAA | IEEE 802.11a WIFI 5 GHz (OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10352 | AAA | Pulse Waveform (200Hz, 10%) | Generic | 10.00 | ± 9.6 % |
| 10353 | AAA | Pulse Waveform (200Hz, 20%) | Generic | 6.99 | ±9.6 % |
| 10354 | AAA | Pulse Waveform (200Hz, 40%) | Generic | 3.98 | ± 9.6 % |
| 10355 | AAA | Pulse Waveform (200Hz, 60%) | Generic | 2.22 | ±9.6% |
| 10356 | AAA | Pulse Waveform (200Hz, 80%) | Generic | 0.97 | ±9.6% |
| 10387 | AAA | QPSK Waveform, 1 MHz | Generic | 5.10 | ±9.6% |
| 10388 | AAA | QPSK Waveform, 10 MHz | Generic | 5.22 | ±9.6% |
| 10396 | AAA | 64-QAM Waveform, 100 kHz | Generic | 6.27 | ±9.63 |
| 10399 | AAA | 64-QAM Waveform, 40 MHz | Generic | 6.27 | ±9.65 |
| 10400 | AAA | IEEE 802.11ac W/F) (20MHz, 64-QAM, 99pc dc) | WLAN | 8.37 | ±9.63 |
| 10400 | AAA | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc) | WLAN | 8.60 | ± 9.6 9 |
| 10401 | AAA | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc) | WLAN | 8.53 | ± 9.6 9 |
| 10402 | AAB | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.76 | ± 9.6 9 |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.77 | ± 9.6 9 |
| 10404 | AAD | CDMA2000, RC3, SO32, SCH0, Full Rate | CDMA2000 | 5.22 | ± 9.5 9 |

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Rev: 01

Page: 36 of 63

| 10410 | AAA. | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, LL Sub=2,3,4,7,8,9) | LTE-TOD | 7.82 | ±9.6% |
|-------|-------|--|----------|-------|---------|
| 0414 | AAA | WLAN CCDF, 64-QAM, 40MHz | Generic | 8.54 | ± 9.6 % |
| 0415 | AAA | IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc dc) | WLAN | 1.54 | +96% |
| 0416 | AAA | IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 % |
| 0417 | AAA | IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps, 99pc do) | WLAN | 8.23 | ±9.6% |
| 0418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long) | WLAN | 8.14 | ± 9.6 % |
| 0419 | AAA | IEEE 802 11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbds, 99pc, Short) | WLAN | 8.19 | ± 9.6 % |
| 0422 | AAA | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | ± 9.6 % |
| 0423 | AAA | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | WLAN | 8.47 | ± 9.6 % |
| 0424 | AAE | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | WLAN | 8.40 | ±9.6 % |
| 0425 | AAE | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | WLAN | 8.41 | ± 9.6 % |
| 0426 | AAE | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) | WLAN | 8.45 | ± 9.6 % |
| 0427 | AAB | IEEE 802.11n (HT Greenfield, 150 Mbps. 64-QAM) | WLAN. | 8.41 | 2 9.6 % |
| 0430 | AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | LTE-FDD | 8.28 | ± 9.6 % |
| 0431 | AAC | LTE-FDD (OFDMA, 10 MHz, E-7M 3.1) | LTE-FDD | 8.38 | ± 9.6 % |
| 0432 | AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) | LTE-FOD | 8.34 | ± 9.6 % |
| 0433 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | LTE-FOO | 8.34 | ±9.6% |
| 0434 | AAG | W-CDMA (BS Test Model 1, 64 DPCH) | WCDMA | 8.60 | ±9.6 % |
| 0435 | AAA | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) | LTE-TOD | 7.82 | ± 9.6 % |
| 0447 | AAA | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.56 | ±9.6 % |
| 044B | AAA | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | LTE-FOD | 7.53 | ±9.6% |
| 0449 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | LTE-FDD | 7.51 | ± 9.6 % |
| 0450 | AAA | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.48 | ±9.6% |
| 0451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7.59 | ±9.6% |
| 0453 | AAC | Validation (Square, 10ms, 1ms) | Test | 10.00 | ± 9.6 % |
| 0456 | AAC | IEEE 802.11ac WIFI (160MHz, 64-QAM, 99pc dc) | WLAN | 8.63 | ±9.6% |
| 0457 | AAC | UMTS-FDD (DC-HSDPA) | WCDMA | 6.62 | ±9.6 % |
| 10458 | AAC | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | CDMA2000 | 8.55 | ±9.6 % |
| 0459 | AAC | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | CDMA2000 | 8.25 | ±9.6 % |
| 0460 | AAC | UMTS-FDD (WCDMA, AMR) | WCDMA | 2.39 | ±9.6% |
| 10461 | AAC | LTE-TDD (SC-FDMA, 1 RB. 1.4 MHz, QPSK, UL Sub) | LTE-TOD | 7.82 | ±9.6 % |
| 10462 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.30 | ±9.6 % |
| 10463 | AAD | LTE-TDD (SC-FDMA, 1 RB. 1,4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ± 9.6 % |
| 10464 | AAD | LTE-TDD (SC-FDMA, 1 RB: 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9.6 % |
| 10465 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | 196% |
| 10468 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDO | 8.57 | ± 9.6 % |
| 0467 | AAA | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9.6 % |
| 0468 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10469 | AAD | LTE-TDD (SC-FDMA, 1 RB; 5 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.56 | ± 9.6 % |
| 0470 | AAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub) | LTE-TOD | 7.82 | ± 9.6 % |
| 0471 | AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub) | LTE-TOD | 8.32 | ± 9.6 % |
| 0472 | AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.57 | ± 9.6 % |
| 0473 | AAA | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub) | LTE-TOO | 7.82 | ± 9.6 % |
| 10474 | AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub) | LTE-TOO | 8.32 | ± 9.6 % |
| 0475 | AAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.57 | ± 9.6 % |
| 0477 | AAC . | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub) | LTE-TOO | 8.32 | ±9.6% |
| 0478 | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.57 | #9.6% |
| 0479 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ±9.6 % |
| 0480 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TOD | 8.18 | ±9.6 % |
| 10481 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.45 | ± 9.6 % |
| 0482 | AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub) | LTE-TOD | 7.71 | ± 9.6 % |
| 0483 | AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub) | LTE-TDD | 8.39 | ± 9.6 % |
| 0484 | AAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TOD | B.47 | ± 9.6 % |
| 0485 | AAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSIC UL Sub) | LTE-TOD | 7.59 | ± 9.6 % |
| 0486 | AAB | LTE-TDD (SC-FDMA, 50% R8, 5 MHz, 16-QAM, UL Sub) | LTE-TOD | 8.38 | ± 9.6 % |
| 10487 | AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 84-QAM, UL Sub) | LTE-TOD | 8.60 | ± 9.6 % |

Certificate No: EX3-7466 Jan21

Page 16 of 24

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f (886-2) 2298-0488



Rev: 01

Page: 37 of 63

| | SN:7466 | | | | |
|-------|---------|---|---------|------|---------|
| 0488 | AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.70 | ± 9.6 % |
| 0489 | AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ±9.6 % |
| 0490 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.54 | ± 9.6 % |
| 0491 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 0492 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TOD | 8.41 | ±9.6 % |
| 0493 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.55 | ± 9.6 % |
| 10494 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10495 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TOD | 8.37 | ± 9.6 % |
| 10496 | AAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.54 | ± 9.6 % |
| 10497 | AAE | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TOD | 7.67 | ±9.6 % |
| 10498 | AAE | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TOD | 8.40 | ±9,6 % |
| 10499 | AAC . | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8,68 | ±9.6% |
| 10500 | AAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7,67 | ± 9.6 % |
| 10501 | AAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz. 16-QAM, UL Sub) | LTE-TOD | 8,44 | ± 9.6 % |
| 10502 | AAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.52 | ± 9.6 % |
| 10503 | AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.72 | ±9.6 % |
| 10504 | AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 18-QAM, UL Sub) | LTE-TDD | 8.31 | ± 9.6 % |
| 10505 | AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| 10506 | AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10507 | AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDO | 8.36 | ± 9.6 % |
| 10508 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ± 9.6 % |
| 10509 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.99 | ± 9.6 % |
| 10510 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.49 | ±9.6% |
| 10511 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.51 | ±9.6 % |
| 10512 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ±9.6 % |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.42 | ± 9.6 % |
| 10514 | AAE | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ±9.6 % |
| 10515 | AAE | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc) | WLAN | 1.58 | ± 9.6 % |
| 10516 | AAE | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) | WLAN | 1.57 | ± 9.6 % |
| 10517 | AAF | (EEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 99pc dc) | WLAN | 1.58 | ±9,6% |
| 10518 | AAF | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc) | WLAN | 8.23 | ±9,6% |
| 10519 | AAF | IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 99pc dc) | WLAN | 8,39 | ±9.6% |
| 10520 | AAB | IEEE 802.11a/h WIFI 6 GHz (OFDM, 18 Mbps, 99pc dc) | WLAN | 8,12 | ±9,6% |
| 10521 | AAB | IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 99pc do) | WLAN | 7.97 | ±9.6 % |
| 10522 | AAB | IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps, 99pc dc) | WLAN | 8,45 | ± 9.6 % |
| 10523 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc) | WLAN | 8.08 | ± 9.6 % |
| 10524 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) | WLAN | 8.27 | ± 9.6 % |
| 10525 | AAC | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10526 | AAF | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10527 | AAF | IEEE 802.11ac WIFI (20MHz, MCS2, 99pc dc) | WLAN | 8.21 | ± 9.6 % |
| 10528 | AAF | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10529 | AAE | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10531 | AAF | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc) | WLAN | 8.43 | ± 9.6 % |
| 10532 | AAF | IEEE 802.11ac WIFI (20MHz, MCS7, 99pc dc) | WLAN | 8.29 | ± 9.6.% |
| 10533 | AAE | IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc) | WLAN | 8.38 | ± 9.6 % |
| 10534 | AAE | IEEE 802.11ac WIFI (40MHz, MCS0, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10535 | AAE | IEEE 802.11ac WiFI (40MHz, MCS1, 99pc dc) | WLAN | 8.45 | ±9.6 % |
| 10536 | AAF | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc) | WLAN | 8.32 | ± 9.6 % |
| 10537 | AAF | IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) | WLAN | 8.44 | ±9.69 |
| 10538 | AAF | IEEE 802.11ac WiFI (40MHz, MCS4, 99pc dc) | WLAN | 8.54 | ± 9.6 % |
| 10540 | AAA | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc.dc) | WLAN | 8,39 | ±9.69 |
| 10541 | AAA- | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) | WLAN | 8,46 | ±9,69 |
| 10542 | AAA | IEEE 802,11ac WIFI (40MHz, MCS8, 99pc dc) | WLAN | 8,65 | ±9,63 |
| 10543 | AAC | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) | WLAN | 8.65 | ± 9,6 % |
| 10544 | AAC | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) | WLAN | 8.47 | ± 9,6 9 |
| 10545 | AAC | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) | WLAN | 8.55 | ±9.69 |

Page 17 of 24

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f (886-2) 2298-0488



Rev: 01

Page: 38 of 63

| 0546 | TAAG | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc) | WLAN | 8.35 | ±9.6 % |
|-------|------|---|------|------|---------|
| 0547 | AAC | IEEE 802.11ac WiFi (80MHz, MCS3, 99ec dc) | WLAN | 8.49 | ± 9.6 % |
| 0548 | AAC | IEEE 802 11ac WiFi (80MHz, MCS4, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 0550 | AAC | IEEE 802 11ac WIFI (80MHz, MCS6, 99pc dc) | WLAN | 8.38 | ± 9.6 % |
| 0551 | AAC | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc do) | WLAN | 8.50 | ±9.5% |
| 0552 | AAC | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc) | WLAN | 8.42 | ±9.6 % |
| 10553 | AAC | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc) | WLAN | 8.45 | ±9.6 % |
| 10554 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc) | WLAN | 8.48 | ±9.6% |
| 10555 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc) | WLAN | 8,47 | ±9.6% |
| 10556 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc) | WLAN | 8.50 | ±9.6 % |
| 10557 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc) | WLAN | 8.52 | ±9.6% |
| 10558 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc) | WLAN | 8.61 | ±9.6% |
| 10560 | AAC | IEEE 802.11ac W/Fi (160MHz, MCS6, 99pc dc) | WLAN | 8.73 | ± 9.6 % |
| 10561 | AAC | IEEE 802.11ac W/Fi (160MHz, MCS7, 99pc dc) | WLAN | 8.56 | ± 9.6 % |
| 10562 | AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc) | WLAN | 8.69 | ± 9.6 % |
| 10563 | AAC | IEEE 802 11ac WIFI (160MHz, MCS9, 99pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10584 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) | WLAN | 8.25 | ±9.6% |
| 10565 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10566 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) | WLAN | 8.13 | ± 9.6 % |
| 10567 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) | WLAN | 8.00 | ± 9.6 % |
| 10568 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) | WLAN | 8.37 | ±9.6 % |
| 10569 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) | WLAN | 8.10 | ± 9.6 % |
| 10570 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) | WLAN | 8.30 | ±9.6 % |
| 10571 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) | WLAN | 1.99 | ± 9.6 % |
| 10572 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) | WLAN | 1.99 | ± 9.6 % |
| 10573 | AAC | IEEE 802.11b WiFl 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) | WLAN | 1.98 | ± 9.6 % |
| 10574 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc) | WLAN | 1.98 | ±9.6 % |
| 10575 | AAC | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | +9.6 % |
| 10576 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10577 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ±9.6 % |
| 10578 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ±9.6 % |
| 10579 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) | WLAN | 8.36 | ±9.6 % |
| 10580 | AAD | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ±9.6 % |
| 10581 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc do) | WLAN | 8.35 | ± 9.6 % |
| 10582 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) | WLAN | 8.67 | ±9.6% |
| 10583 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | ± 9.6 % |
| 10564 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | ± 9.6.% |
| 10585 | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ±9.6% |
| 10586 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ±9.6 % |
| 10587 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM: 24 Mbps: 90pc dc) | WLAN | 8.36 | ±9.6 % |
| 10588 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10589 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM: 48 Mbps: 90pc dc) | WLAN | 8.35 | ± 9.6 % |
| 10590 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10591 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc) | WLAN | 8.63 | ± 9.6 % |
| 10592 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10593 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10594 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc do) | WLAN | 8.74 | ± 9.6 % |
| 10595 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10596 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc do) | WLAN | 8.71 | 19.6% |
| 10597 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) | WLAN | 8.72 | ±9.6% |
| 10598 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc) | WLAN | 8.50 | ±9.6 % |
| 10599 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10600 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc) | WLAN | 8.88 | ± 9.6 % |
| 10601 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc) | WLAN | 8.82 | ±9.6 % |
| 10602 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10603 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc) | WLAN | 9.03 | ±9.6 % |

Certificate No: EX3-7466_Jan21

Page 18 of 24

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Rev: 01

Page: 39 of 63

| 10604 | AAA | IEEE 802,11n (HT Mixed, 40MHz, MCS5, 90pc dc) | WLAN | 8.76 | ±9.6% |
|-------|-----|---|-----------|-------|---------|
| 10605 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc) | WLAN | 8.97 | ± 9.6 % |
| 10606 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10607 | AAC | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10608 | AAC | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 0809 | AAC | IEEE 802 11ac WiFi (20MHz, MCS2, 90pc dc) | WLAN | 8.57 | ₹ 9.6 % |
| 10610 | AAC | IEEE 802 11ac WiFi (20MHz, MCS3, 90pc dc) | WLAN | 8.78 | ±9.6 % |
| 10611 | AAC | IEEE 802 11ac WiFi (20MHz, MCS4, 90pc dc) | WLAN | 8.70 | ±9.6% |
| 10612 | AAC | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc) | WLAN | 8.77 | ±9,6% |
| 10613 | AAC | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc) | WLAN | 8.94 | ±9.6% |
| 10614 | AAC | IEEE 802.11ac WiFI (20MHz, MCS7, 90pc dc) | WLAN | 8.59 | ±9.6% |
| 0615 | AAC | IEEE 802.11ac WiFI (20MHz, MCS8, 90pc dc) | WLAN | 8.82 | ±9.6% |
| 10616 | AAC | IEEE 802.11ac WiFI (40MHz, MCS0, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10617 | AAC | IEEE 802 11ac WiFi (40MHz, MCS1, 90pc dc) | WLAN | 8.81 | ±9.6% |
| 10618 | AAC | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc) | WLAN | 8.58 | ± 9.6 % |
| 10619 | AAC | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc) | WLAN | 8.86 | ± 9.6 % |
| 10620 | AAC | IEEE 802.11ac WIFI (40MHz, MCS4, 90pc dc) | WLAN | 8.87 | ± 9.6 % |
| 10621 | AAC | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10622 | AAC | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc) | WLAN | 8.68 | ± 9.6 % |
| 10623 | AAC | IEEE 802.11ac WiFI (40MHz, MCS7, 90pc dc). | WLAN | 8.82 | ± 9.6 % |
| 10624 | AAC | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc) | WLAN | 8.96 | ± 9.6 % |
| 10625 | AAC | IEEE 802.11ac WiFI (40MHz. MCS9, 90pc dc) | WLAN | 8.96 | ± 9.6 % |
| 10626 | AAC | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc) | WLAN | 8.83 | ±9.6% |
| 10627 | AAC | IEEE B02.11ac WiFi (80MHz, MCS1, 90pc dc) | WLAN | 8.88 | ±9.6 % |
| 10628 | AAC | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc) | WLAN | 8.71 | ±9.6 % |
| 10629 | AAC | IEEE 802 11ac WIFI (80MHz, MCS3, 90pc dc) | WLAN | 8.85 | ± 9.6 % |
| 10630 | AAC | IEEE 802 11ac WiFi (80MHz, MCS4, 90pc dc) | WLAN | 8.72 | ±9.6 % |
| 10631 | AAC | IEEE 802.11ac WIFI (80MHz, MCS5, 90pc dc) | WLAN | 8.81 | ±9.6 % |
| 10632 | AAG | IEEE 802 11ac WIFI (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | ±9.6% |
| 10633 | AAC | IEEE 802.11ac WIFI (80MHz, MCS7, 90pc dc) | WLAN | 8.83 | ±9.6% |
| 10634 | AAC | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc) | WLAN | 8.80 | ±9.6% |
| 10635 | AAC | IEEE 802.11ac WIFI (80MHz, MCS9, 90pc dc) | WLAN | 8.81 | ±9.6 % |
| 10636 | AAC | IEEE 802.11ac W/FI (160MHz, MCS0, 90pc dc) | WLAN | 8.83 | ±9.6% |
| 10637 | AAC | IEEE 802.11ac WIFI (160MHz, MCS1, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10638 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc) | WLAN | 8.86 | ±9.6% |
| 10639 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc) | WLAN | 8:85 | ±9.6% |
| 10640 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc) | WLAN | 8.98 | ± 9.6 % |
| 10641 | AAC | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc) | WLAN | 9.06 | ± 9.6 % |
| 10642 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc) | WLAN | 9.06 | ± 9.6 % |
| 10643 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc) | WLAN | 8.89 | ± 9.6 % |
| 10644 | AAC | (EEE 802.11ac WiFI (160MHz, MCS8, 90pc dc) | WLAN | 9.05 | ± 9.6 % |
| 10645 | AAC | (EEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) | WLAN | 9.11 | ±9.6% |
| 10646 | AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10647 | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | 19.6% |
| 10648 | AAC | CDMA2000 (1x Advanced) | CDMA2000 | 3.45 | ±9.69 |
| 10652 | AAC | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%). | LTE-TDD | 6.91 | ±9,69 |
| 10653 | AAC | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.42 | ±9.69 |
| 10654 | AAC | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.96 | ±9.6% |
| 10655 | AAC | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.21 | ±9.65 |
| 10658 | AAC | Pulse Waveform (200Hz. 10%) | Test | 10.00 | ± 9.6 5 |
| 10659 | AAC | Pulse Waveform (200Hz, 20%) | Test | 6.99 | ±9.65 |
| 10660 | AAC | Pulse Waveform (200Hz. 40%) | Test | 3,98 | ± 9.6 % |
| 10661 | AAC | Pulse Waveform (200Hz, 60%) | Test | 2.22 | ± 9.6 9 |
| 10662 | AAC | Pulse Wavelorm (200Hz, 80%) | Test | 0.97 | ± 9.6 9 |
| 10670 | AAC | Bluetpoth Low Energy | Bluetooth | 2.19 | ± 9.6 9 |
| 10671 | AAD | IEEE 802.11ax (20MHz, MCS0, 90pc dc) | WLAN | 9.09 | ± 9.5 ° |

Certificate No: EX3-7466_Jan21

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Unless ounerwise stated une results snown in this test report reter only to the sample(s) tested and such as ample(s) are retained for 90 days only. We #shaft #sh prosecuted to the fullest extent of the law.



Rev: 01

Page: 40 of 63

| | | | 1 140 441 | 0.53 | -0.00 |
|-------|-----|--|-----------|-------|----------------|
| 10672 | AAD | IEEE 802.11ax (20MHz, MGS1, 90pc dc) | WLAN | 8.57 | ±9.6% ±9.6% |
| 10673 | AAD | IEEE 802.11ax (20MHz, MCS2, 90pc dc) | | 200 | |
| 10674 | AAD | IEEE 802.11ax (20MHz, MCS3, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10675 | AAD | IEEE 802.11ax (20MHz, MCS4, 90pc dc) | WLAN | 8.90 | ± 9.6 % |
| 10676 | AAD | IEEE 802.11ax (20MHz, MCS5, 90pc dc) | WLAN | 8.77 | ±9.6% ±9.6% |
| 1D677 | AAD | IEEE 802.11ax (20MHz, MCS6, 90pc dc) | 35.00 | 741.0 | 25,710,70 |
| 10678 | AAD | IEEE 802.11ax (20MHz, MCS7, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10679 | AAD | IEEE 802.11ax (20MHz, MCS8, 90pc dc) | WLAN | 8.89 | ±9.6% |
| 10680 | AAD | IEEE 802.11ax (20MHz, MCS9, 90pc dc) | WLAN | 8.80 | ± 9.6 % |
| 10681 | AAG | IEEE 802.11ax (20MHz, MCS10, 90pc dc) | WLAN | 8.62 | ±9.6 % |
| 10682 | AAF | IEEE 802.11ax (20MHz, MCS11, 90pt; dc) | WLAN | 8.83 | ±9.6% |
| 10683 | AAA | IEEE 802.11ax (20MHz, MCS0, 99pc dc) | WLAN | 8,42 | ± 9.6 % |
| 10684 | AAC | IEEE 802.11ax (20MHz, MCS1, 99pc dc) | WLAN | 8.26 | ± 9.6 % |
| 10685 | AAC | IEEE 802.11ax (20MHz, MCS2, H9pc dc) | WLAN | 8.33 | ±9.6 % |
| 10686 | AAC | IEEE 802.11ax (20MHz, MCS3, 99pc dc) | WLAN | 8.28 | ± 9.6 % |
| 10687 | AAE | IEEE 802.11ax (20MHz, MCS4, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10688 | AAE | IEEE 802.11ax (20MHz, MCS5, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10689 | AAD | IEEE 802.11ax (20MHz, MCS6, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10690 | AAE | IEEE 802,11ax (20MHz, MCS7, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10691 | AAB | IEEE 802.11ax (20MHz, MCS8, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10692 | AAA | IEEE 802.11ax (20MHz, MCS9, 99pc dc) | WLAN | 8.29 | ±9.6 % |
| 10693 | AAA | TEEE 802.11ax (20MHz, MCS10, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10694 | AAA | IEEE 802,11ax (20MHz, MCS11, 99pc dc) | WLAN | 8.57 | ±9.6 % |
| 10695 | AAA | IEEE 802.11ax (40MHz, MCS0, 90pc dc) | WLAN | 8.78 | ±9.6 % |
| 10696 | AAA | (EEE 802.11ax (40MHz, MCS1, 90pc dc) | WLAN | 8.91 | ± 9.6 % |
| 10897 | AAA | (EEE 802,11ax (40MHz, MC\$2, 90pc dc) | WLAN | 8.61 | ± 9.6 % |
| 10698 | AAA | IEEE 802.11ax (40MHz, MCS3, 90pc dc) | WLAN | 8.89 | ±9.6% |
| 10699 | AAA | IEEE 802.11ax (40MHz, MCS4, 90pc dc) | WLAN | 8,82 | ±9.6 % |
| 10700 | AAA | IEEE 802.11ax (40MHz, MCS5, 90pc dc) | WLAN | 8.73 | ±9.6% |
| 10701 | AAA | IEEE 802.11ax (40MHz. MCS6, 90pc dc) | WLAN | 8.86 | ±9.6 % |
| 10702 | AAA | IEEE 802.11ax (40MHz, MCS7, 90pc dc) | WLAN | 8.70 | ±9.6 % |
| 10703 | AAA | IEEE 802.11ax (40MHz, MCS8, 90pc dc) | WLAN | 8,82 | ±9.6 % |
| 10704 | AAA | IEEE 802.11ax (40MHz, MCS9, 90pc dc) | WLAN | 8,56 | ±9.6 % |
| 10705 | AAA | IEEE 802.11ax (40MHz. MCS10, 90pc dc) | WLAN | 8,69 | ±9.6 % |
| 10706 | AAC | IEEE 802.11ax (40MHz, MCS11, 90pc dc) | WLAN | 8.66 | ± 9.6 % |
| 10707 | AAC | IEEE 802.11ax (40MHz, MCS0; 99pc dc) | WLAN | 8.32 | ± 9.6 % |
| 10708 | AAC | IEEE 802.11ax (40MHz, MCS1, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10709 | AAC | IEEE 802.11ax (40MHz, MCS2, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| 10710 | AAC | IEEE 802.11ax (40MHz, MCS3, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10711 | AAC | IEEE 802.11ax (40MHz, MCS4, 99pc dc) | WLAN | 8.39 | ±9.6 % |
| 10712 | AAC | IEEE 802.11ax (40MHz, MCS5, 99pc dc) | WLAN | 8.67 | ±9.6 % |
| 10713 | AAC | IEEE 802.11ax (40MHz, MCS6, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| 10714 | AAC | IEEE 802.11ax (40MHz, MCS7, 99pc dc) | WLAN | 8.26 | ± 9.6 % |
| 10715 | AAC | IEEE 802.11ax (40MHz, MCS8, 99pc dc) | WLAN | 8.45 | ±9.6 % |
| 10716 | AAC | IEEE 802.11ax (40MHz, MCS9, 99pc dc) | WLAN | 8.30 | ±9.6 % |
| 10717 | AAC | IEEE 802.11ax (40MHz, MCS10, 99pc dc) | WLAN | 8,48 | ± 9.6 % |
| 10718 | AAC | IEEE 802.11ax (40MHz, MCS11, 99pc do) | WLAN | 8.24 | ±9.6 % |
| 10719 | AAC | IEEE 802.11ax (80MHz, MCS0, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10720 | AAC | (EEE 802.11ax (80MHz, MCS1, 90pc dc) | WLAN | 8.87 | ±9,63 |
| 10721 | AAC | IEEE 802.11ax (80MHz, MCS2, 90pc dc) | WLAN | 8.76 | 19.69 |
| 10722 | AAC | (EEE 802.11ax (80MHz, MCS3, 90pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10723 | AAC | IEEE 802.11ax (80MHz, MCS4, 90pc dc) | WLAN | 8.70 | ± 9.5 % |
| 10724 | AAC | IEEE 802.11ax (80MHz, MCS5, 90pc dc) | WLAN | 8.90 | ±9.69 |
| 10725 | AAC | IEEE 802.11ax (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | ±9.69 |
| 10726 | AAC | IEEE 802.11ax (80MHz, MCS7, 90pc dc) | WLAN | 8.72 | ± 9.6.9 |
| 10727 | AAC | IEEE 802.11ax (80MHz, MCS8, 90pc dc) | WLAN | 8.66 | ±9.6 % |

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Rev: 01

Page: 41 of 63

| A HIR II | | IEEE 802.11ax (80MHz, MCS9, 90pc dc) | WLAN | 8.65 | ± 9.6 % |
|----------|-----|--|--------------------------------|------|---------|
| 10729 | AAC | TEEE 802.11ax (80MHz, MCS10, 90pc do) | WLAN | 8.64 | ± 9.6 % |
| 0730 | AAC | IEEE 802 11ax (80MHz. MCS11, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 0731 | AAC | IEEE 802 11ax (80MHz, MCS0, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 0732 | AAC | IEEE 802.11ax (80MHz, MCS1, 89pc dc) | WLAN | 8.46 | ±9.6 % |
| 10733 | AAC | IEEE 802.11ax (80MHz, MCS2, 99pc dc) | WLAN | 8.40 | ±9.6% |
| 10734 | AAC | IEEE 802.11ax (80MHz, MCS3, 99pc dc) | WLAN. | 8,25 | ±9.6 % |
| 10735 | AAC | IEEE 802.11ax (80MHz, MCS4, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| 10736 | AAC | IEEE 802.11ax (80MHz, MCSS, 99pc dc) | WLAN | 8.27 | ±9,6% |
| 10737 | AAC | IEEE 802.11ax (80MHz, MCS6, 99pc dc) | WLAN | 8.36 | ±9.6% |
| 10738 | AAC | IEEE 802.11ax (80MHz, MCS7, 99pc dc) | WLAN | 8.42 | ±9.6% |
| 10739 | AAC | IEEE 802.11ax (80MHz, MCS8, 99pc dc) | WLAN | 8.29 | ±9.6% |
| 10740 | AAC | (EEE 802.11ax (80MHz, MCS9, 99pc dc) | WLAN | 8.48 | ±9.6% |
| 10741 | AAC | IEEE 802 11ax (80MHz, MCS10, 99pc do) | WLAN | 8.40 | ± 9.6 % |
| 10742 | AAC | IEEE 802 11ax (80MHz, MCS11, 99pc dc) | WLAN | 8.43 | ± 9.6 % |
| 10743 | AAC | IEEE 802 11ax (160MHz, MCS0, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10744 | AAC | IEEE 802 11ax (160MHz, MCS1, 90pc dc) | WLAN | 9.16 | ± 9.6 % |
| 10745 | AAC | IEEE 802.11ax (160MHz, MCS2, 90pc dc) | WLAN | 8.93 | ± 9.6 % |
| 10746 | AAC | IEEE 802.11ax (160MHz, MCS3, 90pc dc) | WLAN | 9.11 | ± 9.6 % |
| 10747 | AAC | IEEE 802,11ax (160MHz, MCS4, 90pc dc) | WLAN | 9.04 | ± 9.6 % |
| 10748 | MC | IEEE 802,11ax (160MHz, MCS5, 90pc dc) | WLAN | 8.93 | ± 9.6 % |
| 10749 | AAC | IEEE 802.11ax (160MHz, MCS6, 90pc dc) | WLAN | 8.90 | ± 9.6 % |
| 10750 | AAC | (EEE 802.11ax (160MHz, MCS7, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10751 | AAC | (EEE 802.11ax (160MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10752 | AAC | (EEE 802.11ax (160MHz, MCS9, 90pc dc) | WLAN | 8.81 | ±9.6 % |
| 10753 | AAC | IEEE 802.11ax (160MHz, MCS10, 90pc dc) | WLAN | 9.00 | ± 9.6 % |
| 10754 | AAC | (EEE 802.11ax (160MHz, MCS11, 90pc dc) | WLAN | 8.94 | ±9.6 % |
| 10755 | AAC | IEEE 802.11ax (160MHz, MCS0, 99pc dq) | WLAN | 8.64 | ±9.6% |
| 10756 | AAC | IEEE 802.11ax (160MHz, MCS1, 99pc dc) | WLAN | 8.77 | ±9.6% |
| 10757 | AAC | IEEE 802.11ax (160MHz, MCS2, 99pc dc) | WLAN | 8.77 | ±9.6% |
| 10758 | | IEEE 802.11ax (160MHz, MCS3, 99pc do) | WLAN | 8.69 | ±9.6 % |
| 10759 | AAC | IEEE 802.11ax (160MHz, MCS4, 99pc dc) | WLAN | 8.58 | ±9.6% |
| 10760 | AAC | IEEE 802.11ax (160MHz, MC55, 99pc dc) | WLAN | 8.49 | ±9.6% |
| 10761 | | IEEE 802.11ax (160MHz, MCS6, 99pc dc) | WLAN | 8.58 | ± 9.6 % |
| 10762 | AAC | (EEE 802.11ax (160MHz, MCS7, 99pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10763 | AAC | IEEE 802.11ax (160MHz, MCS8, 99pc dc) | WLAN | 8.53 | ± 9.6 % |
| 10764 | AAC | IEEE 802.11ax (160MHz, MCS9, 99pc dc) | WLAN | 8.54 | ± 9.6 % |
| 10765 | AAC | IEEE 802.11ax (160MHz, MCS10, 99pc dc) | WLAN | 8.54 | ±9.6% |
| 10766 | AAC | IEEE 802.11ax (160MHz, MCS11, 99pc dc) | WLAN | 8.51 | ± 9.6 % |
| 10767 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 7.99 | ± 9.6 % |
| 10768 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TOD | 8.01 | ± 9.6 % |
| | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10769 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10770 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10772 | AAC | 5G NR (CP-OFDM: 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.23 | ± 9.6 % |
| 10773 | AAC | 5G NR (CP-OFDM: 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.03 | ±9.69 |
| | AAC | 5G NR (CP-OFDM: 1 RB, 50 MHz, QPSK: 15 kHz) | 5G NR FR1 TDD | 8.02 | ±9.6% |
| 10774 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 KHz) 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 KHz) | 5G NR FR1 TDD | 8.31 | ±9.6% |
| 10775 | AAC | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 KHz) 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 KHz) | 5G NR FR1 TDD | 8.30 | ±9.69 |
| 10776 | AAC | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 KHz) 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 KHz) | 5G NR FR1 TDD | 8,30 | ±9.63 |
| 10777 | AAC | | 5G NR FR1 TDD | 8,30 | ±9.63 |
| 1077B | AAC | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.42 | ±9.67 |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | - | |
| 10780 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 KHz) | | 8.38 | ±9.69 |
| 10781 | AAC | 5G NR (CP-OFDM: 50% RB: 40 MHz, QPSK: 15 KHz) | 5G NR FR1 TDD | 8.38 | ± 9.6 9 |
| 10782 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD 5G NR FR1 TDD | 8.43 | ± 9.6 9 |

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Unless ounerwise stated une results snown in this test report reter only to the sample(s) tested and such as ample(s) are retained for 90 days only. We #shaft #sh prosecuted to the fullest extent of the law.

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Rev: 01

Page: 42 of 63

| 10784 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 15 kHz) | 5G NR FR1 TDD | 8.29 | ± 9.6 % |
|-------|-----|--|---------------|------|---------|
| 0785 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.40 | ±9.6% |
| 10786 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10787 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TOO | 8.44 | ±9.6% |
| 10788 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8,39 | ±9.6 % |
| 0789 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TOD | 8.37 | ±9.6% |
| 10790 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ±9.6% |
| 10791 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.83 | ±9.6% |
| 10792 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.92 | ±9.6 % |
| 10793 | AAC | 5G NR (CP-OFDM, 1 RB; 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TOD | 7.95 | ±9.6 % |
| 10794 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ± 9.6 % |
| 10795 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.84 | ± 9.6 % |
| 10796 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ± 9.6 % |
| 10797 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10798 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10799 | AAC | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | ± 9.6 % |
| 10801 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10802 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.87 | ± 9.6 % |
| 10803 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | ± 9.6 % |
| 10805 | AAD | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10806 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDO | 8.37 | ±9.6 % |
| 10809 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10810 | AAD | 5G NR (CP-OFDM: 50% RB, 40 MHz, QPSK: 30 kHz) | 5G NR FR1 TDD | 8.34 | ±9.6% |
| 10812 | AAD | 5G NR (CP-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10817 | AAD | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8:35 | ±9.6% |
| 10818 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ±9.6 % |
| 10819 | AAD | 5G NR (CP-QFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.33 | ±9.6 % |
| 10820 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.30 | ±9.6% |
| 10821 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TOD | 8.41 | ±9.6% |
| 10822 | AAD | 5G NR (CP-QFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TOD | 8.41 | ± 9.6 % |
| 10823 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TOD | 8.36 | ± 9.6 % |
| 10824 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10825 | - | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ±9.6 % |
| 10827 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10828 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10829 | | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10830 | AAD | 5G NR (CP-OFDM, 188, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.63 | ± 9.6 % |
| 10831 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.73 | ± 9.6 % |
| 10831 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 KHz) | 5G NR FR1 TDD | 7.74 | ± 9.6 % |
| 10832 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10834 | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.75 | ± 9.6 % |
| 10835 | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ±9.6% |
| 10836 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TOD | 7.66 | ±9.6 % |
| 10835 | AAE | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.65 | ±9.6% |
| 10839 | AAD | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ±9.63 |
| 10839 | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.67 | ±9.63 |
| 10841 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.71 | ±9.69 |
| 10843 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MRZ, GPSK, 60 KHZ) | 5G NR FR1 TDD | 8.49 | ±9.63 |
| 10844 | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 KHz) | 5G NR FR1 TDD | 8.34 | ±9.6 9 |
| 1.600 | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 KHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 9 |
| 10846 | AAD | | 5G NR FR1 TDD | 8.34 | ± 9.6 9 |
| 10854 | AAD | 5G NR (CP-OFDM, 100% RB: 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TOD | 8.36 | ± 9.6 ° |
| 10855 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 ° |
| 10856 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 80 kHz) | 5G NR FR1 TD0 | | |
| 10857 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 80 kHz) | 56 NR FR1 T00 | 8.35 | ± 9.6 ° |
| 10858 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TD0 | 8.36 | ±9.6 % |

Certificate No: EX3-7466_Jan21

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f (886-2) 2298-0488



Rev: 01

Page: 43 of 63

| 0880 | LAAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
|-------|------|--|---------------|------|---------|
| 0861 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 0863 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 NHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 0864 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10865 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10866 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10868 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.89 | ± 9.6 % |
| 10869 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.86 | ± 9.6 % |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52 | ±9.6% |
| 10873 | AAD | 5G NR (DFT-s-DFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ±9.6 % |
| 10874 | AAD | 5G NR (DFT-s-DFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ±9.6 % |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ±9.6% |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.39 | ± 9.6 % |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 7.95 | ± 9.6 % |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ±9.6 % |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.12 | ± 9.6 % |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | B.38 | ± 9.6 % |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ±9.6% |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.96 | ± 9.6 % |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.57 | ±9.6% |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.53 | ±96% |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ±96% |
| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ±9.6% |
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.35 | ± 9.6 % |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TOD | 8.02 | ± 9.6 % |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.40 | ± 9.6 % |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.13 | ± 9.6 % |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ±9.65 |
| 10897 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.66 | ±9.65 |
| 10898 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, OPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ±9.65 |
| 10899 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10900 | AAD | 5G NR (DFT-s-OFDM, 1 RB. 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.65 |
| 10901 | - | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.69 |
| 10902 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.69 |
| 10903 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 9 |
| 10904 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 9 |
| 10905 | AAD | 5G NR (DFT-s-OFDM, 1 R8, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 9 |
| 10906 | AAD | 9G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6.9 |
| 10907 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.78 | ±9.63 |
| 10908 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ± 9.6.9 |
| 10909 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDO | 5.96 | ± 9.6.3 |
| 10910 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ± 9.6.3 |
| 10911 | AAD | 5G NR (DFT-s-OFDM: 50% RB, 25 MHz, QPSK: 30 kHz) | 5G NR FR1 TDD | 5.93 | ± 9.6 3 |
| 10912 | | 5G NR (DFT-s-OFDM: 50% RB, 30 MHz, QPSK; 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10913 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10913 | AAD | 5G NR (DFT-s-OFDM: 50% RB, 40 MHz, QFSK: 30 kHz) | 5G NR FR1 TDD | 5.85 | 19.63 |
| 10915 | | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | 19.67 |
| 10916 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, OPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | 19.67 |
| 10916 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | 19.6 |
| 10918 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 110 MHz, QFSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | |
| 10918 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ±9.65 |
| 10919 | AAD | 6G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | - |
| 10920 | AAD | 6G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TOD | 5.84 | ± 9.6 ° |

Certificate No: EX3-7466_Jan21

Page 23 of 24

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Rev: 01

Page: 44 of 63

| ±9.6% | 5.82 | 5G NR FR1 TDD | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | AAD | 10922 |
|---------|-------|---------------|---|-----|-------|
| ±9.6 % | 5.84 | 5G NR FR1 TOD | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | AAD | 10923 |
| ± 9.6 % | 5.84 | 5G NR FR1 TOD | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | AAD | 0924 |
| ± 9.6 % | 5.95 | 5G NR FR1 TDD | 5G NR (DFT-s-QFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | AAD | 10925 |
| ± 9.6 % | 5.84 | 5G NR FR1 TDD | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | AAD | 10926 |
| ± 9.6 % | 5.94 | 5G NR FR1 TDD | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | AAD | 10927 |
| ± 9.6 % | 5.52 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | AAD | 0928 |
| ± 9.6 % | 5.52 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | AAD | 10929 |
| ± 9.6 % | 5.52 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | AAD | 10930 |
| ± 9.6 % | 5.51 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | AAD | 10931 |
| ± 9.6 % | 5.51 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | AAB | 10932 |
| ± 9.6 % | 5.51 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | AAA | 10933 |
| ± 9.6 % | 5.51 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | AAA | 10934 |
| ± 9.6 % | 5.51 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | AAA | 10935 |
| ± 9.6 9 | 5.90 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) | AAC | 10936 |
| ±9.69 | 5.77 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | AAB | 10937 |
| ±9.69 | 5.90 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | AAB | 10938 |
| ±9.69 | 5.82 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | AAB | 10939 |
| ±9.69 | 5.89 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | AAB | 10940 |
| ±9.63 | 5.83 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | AAR | 10941 |
| ±9.6 % | 5.85 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM: 50% RB, 40 MHz, QPSK, 15 kHz) | AAB | 10942 |
| ±9.65 | 5.95 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM: 50% RB, 50 MHz, QPSK: 15 kHz) | AAB | 10943 |
| ± 9.6 5 | 5.81 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | AAB | 10944 |
| ±9.65 | 5.85 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | AAB | 10945 |
| ± 9.6 9 | 5.83 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | AAC | 10946 |
| ± 9.6 9 | 5.87 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | AAB | 10947 |
| ±9.61 | 5.94 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | AAB | 10948 |
| ±9.6 % | 5.87 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | AAB | 10949 |
| ±9.69 | 5.94 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | AAB | 10950 |
| ± 9.6 9 | 5.92 | 5G NR FR1 FDD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | AAB | 10951 |
| ± 9.6 9 | 8.25 | 5G NR FR1 FDD | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | AAB | 10952 |
| ± 9.6 9 | 8.15 | 5G NR FR1 FDD | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | AAB | 10953 |
| ±9.65 | 8.23 | 5G NR FR1 FDD | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | AAB | 10954 |
| ± 9.6 ° | 8.42 | 5G NR FR1 FDD | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | AAB | 10955 |
| ±96 | 8.14 | 5G NR FR1 FDD | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | AAB | 10956 |
| ± 9.6 1 | 8.31 | 5G NR FR1 FDD | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | AAC | 10957 |
| ±9.65 | 8.61 | 5G NR FR1 FDD | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | AAB | 10958 |
| ± 9.6 9 | 8.33 | 5G NR FR1 FDD | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | AAR | 10959 |
| ± 9.6 9 | 9.32 | 5G NR FR1 TDD | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | AAB | 10960 |
| ± 9.6 | 9.36 | 5G NR FR1 TDD | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | AAB | 10961 |
| ± 9.6 | 9.40 | 5G NR FR1 TDD | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | AAB | 10962 |
| ±9.65 | 9.55 | 5G NR FR1 TDD | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | AAB | 10963 |
| ± 9.6 | 9.29 | 5G NR FR1 TDD | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | AAR | 10964 |
| ±9.6 | 9.37 | 5G NR FR1 TDD | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 KHz) | AAB | 10965 |
| ± 9.6 | 9.55 | 5G NR FR1 TDD | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | AAB | 10966 |
| ±9.64 | 9.42 | 5G NR FR1 TDD | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | AAB | 10967 |
| ± 9.6.9 | 9.49 | 5G NR FR1 TDD | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | AAB | 10968 |
| ± 9.6.5 | 11.59 | 5G NR FR1 TDD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | AAB | 10972 |
| ± 9.6.1 | 9.06 | 5G NR FR1 TDD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | AAB | 10973 |
| ±9.61 | 10.28 | 5G NR FR1 TDD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 KHz) | AAB | 10974 |

Certificate No: EX3-7466_Jan21

Page 24 of 24

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Rev: 01

Page: 45 of 63

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Engineering AG
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Client SGS-TW (Auden)

Certificate No: EUmmWV4-9579_Oct21

| Object | EUmmWV4 - SN:9579 |
|---|---|
| Calibration procedure(s) | QA CAL-02.v9, QA CAL-25.v7, QA CAL-42.v2 Calibration procedure for E-field probes optimized for close near field evaluations in air |
| Calibration date: | October 06, 2021 |
| This calibration certificate doc The measurements and the u | cuments the traceability to national standards, which realize the physical units of measurements (SI). Incortainties with confidence probability are given on the following pages and are part of the certificate. |
| | inducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%. |
| Total Control of the | |

| Primary Standards | ID | Cal Date (Certificate No.) | Scheduled Calibration |
|----------------------------|------------------|-----------------------------------|------------------------|
| Power meter NRP | SN: 104778 | 09-Apr-21 (No. 217-03291/0292) | Apr-22 |
| Power sensor NRP-Z91 | SN: 103244 | 09-Apr-21 (No. 217-03291) | Apr-22 |
| Power sensor NRP-Z91 | SN: 103245 | 09-Apr-21 (No. 217-03292) | Apr-22 |
| Reference 20 dB Attenuator | SN: CC2552 (20x) | 09-Apr-21 (No. 217-03343) | Apr-22 |
| Reference Probe ER3DV6 | SN: 2328 | 05-Oct-20 (No. ER3-2328 Oct20) | Oct-21 |
| DAE4 | SN: 789 | 23-Dec-20 (No. DAE4-789_Dec20) | Dec-21 |
| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB41293874 | 06-Apr-16 (in house check Jun-20) | In house check: Jun-22 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-20) | In house check: Jun-22 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-20) | In house check: Jun-22 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-20) | In house check: Jun-22 |
| Network Analyzer E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-20) | In house check: Oct-22 |

| | Name | Function | Signature |
|----------------|---------------|-----------------------|-------------------------|
| Calibrated by: | Leif Klysner | Laboratory Technician | Sef Ily |
| Approved by: | Katja Pokovic | Technical Manager | se se |
| | | | Issued: October 6, 2021 |

Certificate No: EUmmWV4-9579_Oct21

Page 1 of 19

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Rev: 01

Page: 46 of 63

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





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

Accreditation No.: SCS 0108

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Glossary: NORMx,y,z DCP CF

sensitivity in free space diode compression point crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters or rotation around probe axis

A, B, C, D Polarization

Polarization 9 3 rotation around an axis that is in the plane normal to probe axis (at measurement center).

I.e., 9 = 0 Is normal to probe axis information to probe assignation used in DASY system to align probe sensor X to the robot coordinate system sensor deviation from the probe axis, used to calculate the field orientation and polarization is the wave propagation direction

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx,y.x: Assessed for E-field polarization 9 = 0 for XY sensors and 9 = 90 for Z sensor (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). For frequencies > 6 GHz, the far field in front of waveguide horn antennas is measured for a set of frequencies in various waveguide bands up to 110 GHz.
- DCP_{N/C}: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R, R_p , inductance L and capacitors C, C_p).

 As, Y_p, Y_z , Z_p, Z_p , Z_p ,
- Sensor Offset: The sensor offset corresponds to the mechanical from the probe tip (on probe axis). No tolerance required,
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).
- Equivalent Sensor Angle: The two probe sensors are mounted in the same plane at different angles. The
 angles are assessed using the information gained by determining the NORMx (no uncertainty required).
 Spherical sortopy (3D deviation from isotropy): in a locally homogeneous field realized using an open
 waveguide / horn setup.

Certificate No; EUmmWV4-9579_Oct21

Page 2 of 19

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Rev: 01

Page: 47 of 63

EUmmWV4 - SN: 9579

October 06, 2021

DASY - Parameters of Probe: EUmmWV4 - SN:9579

| Rasic | Calibration | 2 Paras | motore |
|-------|-------------|---------|--------|

| | Sensor X | Sensor Y | Unc (k=2) |
|-------------------------------|----------|----------|-----------|
| Norm (µV/(V/m) ²) | 0.02070 | 0.02095 | ± 10.1 % |
| DCP (mV) ^B | 106.0 | 105.0 | |
| Equivalent Sensor Angle | -61.2 | 35.2 | |

Calibration results for Frequency Posponeo (750 MH= 110 GH=)

| | Target E-Field | Prequency Response (750 Deviation Sensor X | | |
|------------------|----------------|---|--------------------------|-----------------|
| Frequency GHz | V/m | dB dB | Deviation Sensor Y dB | Unc (k=2) dB |
| 0.75 | 77.2 | -0.31 | -0.27 | ± 0.43 dB |
| 1.8 | 140.4 | 0.01 | 0.03 | ± 0.43 dB |
| 2 | 133.0 | 0.05 | 0.07 | ± 0.43 dB |
| 2.2 | 124.8 | 0.06 | 0.08 | ± 0.43 dB |
| 2.5 | 123.0 | 0.04 | 0.04 | ± 0.43 dB |
| 3.5 | 256.2 | 0.22 | 0.25 | ± 0.43 dB |
| 3.7 | 249.8 | 0.24 | 0.24 | ± 0.43 dB |
| 6.6 | 41.8 | -0.40 | -0.33 | ± 0.98 dB |
| 8 | 48.4 | -0.35 | -0.52 | ± 0.98 dB |
| 10 | 54.4 | -0.10 | -0.06 | ± 0.98 dB |
| 15 | 71.5 | -0.02 | -0.40 | ± 0.98 dB |
| 18 | 85.3 | -0.18 | 0.13 | ± 0.98 dB |
| 26.6 | 96.9 | -0.27 | -0.11 | ± 0.98 dB |
| 30 | 92.6 | 0.08 | 0.03 | ± 0.98 dB |
| 35 | 93.7 | -0.14 | 0.07 | ± 0.98 dB |
| 40 | 91.5 | -0.13 | -0.11 | ± 0.98 dB |
| 50 | 19.6 | -0.20 | -0.25 | ± 0.98 dB |
| 55 | 22.4 | 0.35 | 0.14 | ± 0.98 dB |
| 60 | 23.0 | -0.21 | -0.19 | ± 0.98 dB |
| 65 | 27.4 | -0.21 | -0.08 | ± 0.98 dB |
| 70 | 23.9 | -0.19 | -0.22 | ± 0.98 dB |
| 75 | 20.0 | -0.20 | -0.25 | ± 0.98 dB |
| 75 | 14.8 | -0.20 | -0.27 | ± 0.98 dB |
| 80 | 22.5 | 0.21 | 0.26 | ± 0.98 dB |
| 85 | 22.8 | -0.08 | -0.06 | ± 0.98 dB |
| 90 | 23.8 | 0.00 | 0.01 | ± 0.98 dB |
| 92 | 23.9 | -0.21 | -0.28 | ± 0.98 dB |
| 95 | 20.5 | -0.31 | -0.31 | ± 0.98 dB |
| 97 | 24.4 | -0.09 | -0.08 | ± 0.98 dB |
| 100 | 22.6 | -0.11 | -0.12 | ± 0.98 dB |
| 105 | 22.7 | 0.15 | 0.16 | ± 0.98 dB |
| 110 | 19.7 | 0.08 | 0.07 | ± 0.98 dB |

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; EUmmWV4-9579_Oct21

Page 3 of 19

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Rev: 01

Page: 48 of 63

EUmmWV4 - SN: 9579

October 06, 2021

DASY - Parameters of Probe: EUmmWV4 - SN:9579

| UID | Communication System Name | | A dB | B dB√μV | С | D dB | VR mV | Max dev. | Max Unc ^E (k=2) |
|--------|--|---|---------|------------|-------|---------|----------|-------------|----------------------------------|
| 0 | CW | X | 0.00 | 0.00 | 1.00 | 0.00 | 149.7 | ± 3.3 % | ± 4.7 % |
| _ | 100 | Y | 0.00 | 0.00 | 1.00 | | 72.1 | 1000 | 100 |
| 10352- | Pulse Waveform (200Hz, 10%) | X | 2.98 | 60.00 | 14.61 | 10.00 | 6.0 | ± 0.9 % | ± 9.6 % |
| AAA | the second secon | Y | 2.11 | 60.00 | 15.79 | | 6.0 | 0.000 | |
| 10353- | Pulse Waveform (200Hz, 20%) | X | 2.27 | 60.97 | 13.77 | 6.99 | 12.0 | ±1.1% | ± 9.6 % |
| AAA | | Y | 1.44 | 60.00 | 14.83 | | 12.0 | | |
| 10354- | Pulse Waveform (200Hz, 40%) | X | 1.50 | 62.13 | 13.00 | 3.98 | 23.0 | ±1.5% | ± 9.6 % |
| AAA | | Y | 0.87 | 60.00 | 13.71 | 12.55 | 23.0 | 1.5 | |
| 10355- | Pulse Waveform (200Hz, 60%) | X | 0.73 | 60.00 | 11.44 | 2.22 | 27.0 | ±1.2 % | ± 9.6 % |
| AAA | | Y | 0.56 | 60.00 | 12.88 | 0.00 | 27.0 | 2 115 16 | H 414 11 |
| 10387- | QPSK Waveform, 1 MHz | X | 1.29 | 60.00 | 12.46 | 1.00 | 22.0 | ±1.1% | ± 9.6 % |
| AAA | | Y | 1.17 | 60.00 | 12.56 | 1,000 | 22.0 | | |
| 10388- | QPSK Waveform, 10 MHz | X | 1.28 | 60.00 | 12.06 | 0.00 | | ± 0.6 % | ± 9.6 % |
| AAA | | Y | 1.26 | 60.00 | 12.36 | 10000 | 22.0 | 1 = 815,14 | 2000 |
| 10396- | 64-QAM Waveform, 100 kHz | X | 3.34 | 65.10 | 15.75 | 3.01 | 17.0 | ±1.0 % | ± 9.6 % |
| AAA | | Y | 3.31 | 64.78 | 15.66 | 7100 | 17.0 | - 10 1 | E1313.33 |
| 10399- | 64-QAM Waveform, 40 MHz | X | 2.10 | 60.00 | 12.49 | 0.00 | 19.0 | ± 0.9 % | ± 9.6 % |
| AAA | | Y | 1.98 | 60.00 | 12.83 | 1000 | 19.0 | 10.10 | 2.00 |
| 10414- | WLAN CCDF, 64-QAM, 40MHz | X | 3.42 | 60.44 | 13.08 | 0.00 | 12.0 | ±1.1% | ± 9.6 % |
| AAA | | V | 2.08 | 80.00 | 12.26 | 1100 | 12.0 | - 10.10 | 2 0.0 10 |

Calibration Results for Linearity Response

| Frequency GHz | Target E-Field V/m | Deviation Sensor X dB | Deviation Sensor Y dB | Unc (k=2) dB |
|------------------|-----------------------|-----------------------|-----------------------|-----------------|
| 0.9 | 50.0 | -0.12 | 0.13 | ± 0.2 dB |
| 0.9 | 100.0 | -0.14 | 0.13 | ± 0.2 dB |
| 0.9 | 500.0 | 0.02 | 0.03 | ± 0.2 dB |
| 0.9 | 1000.0 | 0.05 | 0.05 | ± 0.2 dB |
| 0.9 | 1500.0 | 0.02 | 0.04 | ± 0.2 dB |
| 0.9 | 2000.0 | 0.02 | 0.03 | ± 0.2 dB |

Sensor Frequency Model Parameters (750 MHz - 55 GHz)

| | Sensor X | Sensor Y |
|----------------------|----------|----------|
| R (Ω) | 79.90 | 76.03 |
| $R_{\sigma}(\Omega)$ | 90.68 | 93.76 |
| L (nH) | 0.10119 | 0.09044 |
| C (pF) | 0.3020 | 0.3408 |
| C _p (pF) | 0.0857 | 0.0839 |

Sensor Frequency Model Parameters (55 GHz = 110 GHz)

| | Sensor X | Sensor Y |
|---------------------|----------|----------|
| R (Ω) | 28.09 | 30.62 |
| $R_p(\Omega)$ | 97.77 | 96.78 |
| _ (nH) | 0.04176 | 0.03934 |
| C (pF) | 0.1389 | 0.1615 |
| C _p (pF) | 0.1160 | 0.1154 |

Page 4 of 19

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Rev: 01

Page: 49 of 63

EUmmWV4 - SN: 9579

Mechanical Surface Detection Mode Optical Surface Detection Mode

Probe Overall Length

October 06, 2021

disabled

DASY - Parameters of Probe: EUmmWV4 - SN:9579

| Senso | r Model Par | ameters | | | | | |
|-------|-------------|---------|-----|--------|--------------------|----|-----|
| | C1 | C2 | α | T1 | T2 | T3 | T4 |
| | fF | fF | V-1 | ms.V-2 | ms.V ⁻¹ | ms | V-2 |

| Y | 52.0 | 372.52 | 33.71 | 0.92 | 7.66 5.93 | 4.98 5.02 | 2.00 | 1.86 | 1.01 |
|----------|-------------|--------|-------|------|--------------|--------------|------|--------|-------|
| | | | 00.12 | 0.02 | 0.00 | 0.02 | 2.00 | 2.00 | 1.00 |
| Other P | obe Para | meters | | | | | | | |
| Sensor A | rrangement | | | | | | | Rectan | gular |
| Connecto | r Angle (°) | | | | | | | 70.6 | |

320 mm Probe Body Diameter 8 mm Tip Length 23 mm Tip Diameter 8.0 mm Probe Tip to Sensor X Calibration Point 1.5 mm Probe Tip to Sensor Y Calibration Point 1.5 mm

Certificate No: EUmmWV4-9579_Oct21

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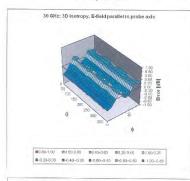
Rev: 01

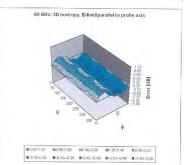
Page: 50 of 63

EUmmWV4 - SN: 9579

October 06, 2021

Deviation from Isotropy in Air f = 30, 60 GHz





Probe isotropy for $E_{\rm init}$ probe rotated ϕ = 0° to 360°, tilted from field propagation direction \bar{k} Parallel to the field propagation (ψ =0° - 90°) at 30 GHz: deviation within ± 0.40 dB Parallel to the field propagation (ψ =0° - 90°) at 80 GHz: deviation within ± 0.38 dB

Certificate No: EUmmWV4-9579_Oct21

Page 6 of 19

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Rev: 01

Page: 51 of 63

EUmmWV4 - SN: 9579 October 06, 2021

| IID | Rev | Communication System Name | Group | PAR (dB) | Unc* (k=2) |
|-------|-----|---|-----------|-------------|---------------|
| 0 | - | CW | CW | 0.00 | ±4.7 |
| 10010 | CAA | SAR Validation (Square, 100ms, 10ms) | Test | 10.00 | ± 9.6 % |
| 10011 | CAB | UMTS-FDD (WCDMA) | WCDMA | 2.91 | ± 9.6 9 |
| 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 9 |
| 10021 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ± 9.6 9 |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | ± 9.6 9 |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 6.56 | ± 9.6 9 |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0) | GSM | 12.62 | ± 9.6 9 |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9,55 | ± 9.6 9 |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | GSM | 4.80 | ± 9.6 9 |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) | GSM | 3.55 | ± 9.6 % |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2) | GSM | 7.78 | ± 9.6 % |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1) | Bluetooth | 5.30 | ± 9.6 9 |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3) | Bluetooth | 1.87 | ± 9.6 9 |
| 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 9 |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) | Bluetooth | 4.53 | ± 9.6 9 |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5) | Bluetooth | 3.83 | ± 9.6 9 |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1) | Bluetooth | 8.01 | ± 9.6 9 |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Bluetooth | 4.77 | ± 9.6 9 |
| 10038 | CAA | IEEE 802,15.1 Bluetooth (8-DPSK, DH5) | Bluetooth | 4.10 | ± 9.6 9 |
| 10039 | CAB | CDMA2000 (1xRTT, RC1) | CDMA2000 | 4.57 | ± 9.6 9 |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS | 7.78 | ± 9.6 9 |
| 10044 | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM) | AMPS | 0.00 | ±9.69 |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | DECT | 13.80 | ±9.69 |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | DECT | 10.79 | ± 9.6 9 |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps) | TD-SCDMA | 11.01 | ± 9.6 9 |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | ± 9.6 9 |
| 10059 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) | WLAN | 2.12 | ± 9.6 9 |
| 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 9 |
| 10062 | CAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps) | WLAN | 8.68 | ± 9.6 9 |
| 10063 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) | WLAN | 8.63 | ± 9.6 9 |
| 10064 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) | WLAN | 9.09 | ± 9.6 9 |
| 10065 | CAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps) | WLAN | 9.00 | ± 9.6 9 |
| 10066 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps) | WLAN | 9.38 | ± 9.6 9 |
| 10067 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps) | WLAN | 10.12 | ± 9.6 9 |
| 10068 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | ± 9.6 % |
| 10069 | CAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps) | WLAN | 10.56 | ± 9.6 9 |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps) | WLAN | 9.83 | ± 9.6 9 |
| 10072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.62 | ± 9.6 % |
| 10073 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | WLAN | 9.94 | ± 9.6 % |
| 10074 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | WLAN | 10.30 | ± 9.6 % |
| 10075 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | WLAN | 10.77 | ± 9.6 % |
| 10076 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | WLAN | 10.94 | ± 9.6 % |
| 10077 | CAB | IEEE 802.11g WIFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | WLAN | 11.00 | ±9.6% |
| 10081 | CAB | CDMA2000 (1xRTT, RC3) | CDMA2000 | 3.97 | ± 9.6 % |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS | 4.77 | ± 9.6 % |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 6.56 | ± 9.6 % |
| 10097 | CAB | UMTS-FDD (HSDPA) | WCDMA | 3.98 | ±9.6 % |
| 10098 | CAB | UMTS-FDD (HSUPA, Subtest 2) | WCDMA | 3.98 | ± 9.6 % |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | GSM | 9.55 | ± 9.6 % |

Certificate No: EUmmWV4-9579_Oct21

Page 7 of 19

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Rev: 01

Page: 52 of 63

| 10100 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-FDD | 5.67 | ± 9.6 9 |
|-------|-----|--|---------|-------|---------|
| 10101 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 5 |
| 10102 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 |
| 0103 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6 |
| 0104 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.97 | ± 9.6 ° |
| 0105 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.01 | ± 9.6 9 |
| 0108 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-FDD | 5.80 | ± 9.6 9 |
| 0109 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 9 |
| 0110 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 ° |
| 0111 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.44 | ± 9.6 9 |
| 0112 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.59 | ± 9.6 9 |
| 0113 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 9 |
| 0114 | CAD | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 9 |
| 10115 | CAD | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | WLAN | 8,46 | ± 9.6 9 |
| 10116 | CAD | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN | 8.15 | ± 9.6 9 |
| 0117 | CAD | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8.07 | ± 9.6 |
| 0118 | CAD | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | WLAN | 8.59 | ± 9.6 9 |
| 0119 | CAD | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) | WLAN | 8.13 | ± 9.6 9 |
| 0140 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 9 |
| 0141 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.53 | ±9.69 |
| 0142 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 9 |
| 0143 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.35 | ± 9.6 9 |
| 10144 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 84-QAM) | LTE-FDD | 6.65 | ± 9.6 9 |
| 0145 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.76 | ± 9.6 9 |
| 0146 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.41 | ± 9.6 9 |
| 0147 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.72 | ± 9.6 9 |
| 0149 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 9 |
| 0150 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.69 |
| 0151 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-TDD | 9.28 | ± 9.6 9 |
| 0152 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.92 | ± 9.6 9 |
| 0153 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.05 | ±9.69 |
| 10154 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 9 |
| 0155 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 9 |
| 0156 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-FDD | 5.79 | ± 9.6 9 |
| 10157 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 9 |
| 0158 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 9 |
| 10159 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.56 | ± 9.6 9 |
| 0160 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-FDD | 5.82 | ± 9.6 % |
| 10161 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 0162 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.58 | ± 9.6 % |
| 0166 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.46 | ± 9.6 9 |
| 0167 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.21 | ±9.69 |
| 0168 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.79 | ±9.69 |
| 0169 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 9 |
| 0170 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 9 |
| 0171 | AAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 0172 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 9 |
| 0173 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 0174 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 0175 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 0176 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 0177 | CAI | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 0178 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 0179 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 0180 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM). | LTE-FDD | 6.50 | ± 9.6 % |
| 0181 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |

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Rev: 01

Page: 53 of 63

| 10182 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 |
|-------|-----|---|---------|-------|---------|
| 10183 | AAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 |
| 10184 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 |
| 10185 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-FDD | 6.51 | ± 9.6 |
| 10186 | AAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 |
| 10187 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 |
| 10188 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 |
| 10189 | AAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 |
| 10193 | CAD | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) | WLAN | 8.09 | ± 9.6 |
| 10194 | CAD | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | WLAN | 8.12 | ± 9.6 |
| 10195 | CAD | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | WLAN | 8.21 | ± 9.6 |
| 10196 | CAD | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 |
| 10197 | CAD | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | WLAN | 8.13 | ± 9.6 |
| 10198 | CAD | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) | WLAN | 8.27 | ± 9.6 |
| 10219 | CAD | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN | 8.03 | ± 9.6 |
| 10220 | CAD | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | WLAN | 8.13 | ± 9.6 |
| 10221 | CAD | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) | WLAN | 8.27 | ± 9.6 |
| 10222 | CAD | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) | WLAN | 8.06 | ± 9.6 |
| 10223 | CAD | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) | WLAN | 8.48 | ± 9.6 |
| 10224 | CAD | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | WLAN | 8.08 | ± 9.6 |
| 10225 | CAB | UMTS-FDD (HSPA+) | WCDMA | 5.97 | ± 9.6 |
| 10226 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9,49 | ± 9.6 |
| 10227 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.26 | ± 9.6 |
| 10228 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TDD | 9.22 | ± 9.6 |
| 10229 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 |
| 10230 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 |
| 10231 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-TDD | 9.19 | ± 9.6 ° |
| 10232 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-TDD | 9,48 | ± 9.6 |
| 10233 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 |
| 10234 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-TDD | 9,21 | ± 9.6 |
| 10235 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 |
| 10236 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 |
| 10237 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 |
| 10238 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 |
| 10239 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 ° |
| 10240 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 9 |
| 10241 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.82 | ± 9.6 9 |
| 10242 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 9.86 | ± 9.6 9 |
| 10243 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.46 | ± 9.6 9 |
| 10244 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-TDD | 10.06 | ± 9.6 |
| 10245 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-TDD | 10.06 | ± 9.6 9 |
| 10246 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-TDD | 9.30 | ± 9.6 9 |
| 10247 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.91 | ± 9.6 9 |
| 10248 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.09 | ± 9.6 9 |
| 10249 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6 9 |
| 10250 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.81 | ± 9.6 9 |
| 10251 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.17 | ± 9.6 9 |
| 10252 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TDD | 9.24 | ± 9.6 9 |
| 10253 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-TDD | 9.90 | ± 9.6 9 |
| 10254 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.14 | ± 9.6 9 |
| 10255 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-TDD | 9.20 | ± 9.6 % |
| 10256 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.96 | ± 9.6 9 |
| 10257 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.08 | ± 9.6 % |
| 10258 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.34 | ± 9.6 9 |
| 10259 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-TDD | 9.98 | ± 9.6 9 |
| 0260 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 84-QAM) | LTE-TDD | 9.97 | ±9.69 |

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Rev: 01

Page: 54 of 63

| 10261 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-TDD | 9.24 | ± 9.6 9 |
|-------|-----|---|------------------|-------|---------|
| 10262 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.83 | ± 9.6 9 |
| 10263 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.16 | ± 9.6 9 |
| 10264 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-TDD | 9.23 | ± 9.6 9 |
| 10265 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.92 | ± 9.6 9 |
| 10266 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.07 | ± 9.6 9 |
| 10267 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-TDD | 9.30 | ± 9.6 9 |
| 10268 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-TDD | 10.06 | ± 9.6 9 |
| 10269 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.13 | ± 9.6 9 |
| 10270 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-TDD | 9.58 | ± 9.6 9 |
| 10274 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) | WCDMA | 4.87 | ± 9.6 9 |
| 10275 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8,4) | WCDMA | 3.96 | ± 9.6 9 |
| 10277 | CAA | PHS (QPSK) | PHS | 11.81 | ± 9.6 9 |
| 10278 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5) | PHS | 11.81 | ± 9.6 9 |
| 10279 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38) | PHS | 12.18 | ± 9.6 9 |
| 10290 | AAB | CDMA2000, RC1, SO55, Full Rate | CDMA2000 | 3.91 | ± 9.6 % |
| 10291 | AAB | CDMA2000, RC3, SO55, Full Rate | CDMA2000 | 3.46 | ± 9.6 9 |
| 10292 | AAB | CDMA2000, RC3, SO32, Full Rate | CDMA2000 | 3.39 | ± 9.6 9 |
| 10293 | AAB | CDMA2000, RC3, SO3, Full Rate | CDMA2000 | 3.50 | ± 9.6 9 |
| 10295 | AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | CDMA2000 | 12.49 | ± 9.6 9 |
| 10297 | AAD | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-FDD | 5.81 | ± 9.6 9 |
| 10298 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | | | |
| 10299 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-FDD | 5.72 | ± 9.6 9 |
| 10300 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.39 | ± 9.6 9 |
| 10301 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC) | LTE-FDD WIMAX | 6.60 | ± 9.6 9 |
| 10302 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL) | 12300.00 | 12.03 | ± 9.6 9 |
| 10303 | AAA | IEEE 802.16e WIMAX (25.15, 5ms, 10MHz, 64QAM, PUSC) | WiMAX | 12.57 | ± 9.6 9 |
| 10304 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) | WiMAX | 12.52 | ± 9.6 9 |
| 10304 | AAA | IEEE 802.18e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC) | WiMAX | 11.86 | ± 9.6 9 |
| 10306 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC) | WiMAX | 15.24 | ± 9.6 9 |
| 10307 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC) | WiMAX | 14.67 | ± 9.6 9 |
| 10307 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC) | WiMAX | 14.49 | ± 9.6 9 |
| 10309 | AAA | IEEE 802,16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) | WIMAX | 14.46 | ± 9.6 % |
| 10310 | AAA | | WIMAX | 14.58 | ±9.69 |
| 10310 | AAD | IEEE 802,16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3 | WiMAX | 14.57 | ±9.6 % |
| 10311 | AAA | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) IDEN 1:3 | LTE-FDD | 6.06 | ± 9.6 9 |
| 10314 | AAA | IDEN 1:6 | IDEN | 10.51 | ± 9.6 % |
| 10314 | AAA | | IDEN | 13.48 | ±9.6% |
| | | IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 96pc dc) | WLAN | 1.71 | ±9.6 % |
| 10316 | AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ±9.69 |
| 10317 | AAA | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ±9.6 % |
| 10352 | | Pulse Waveform (200Hz, 10%) | Generic | 10.00 | ±9.69 |
| | AAA | Pulse Waveform (200Hz, 20%) | Generic | 6.99 | ± 9.6 9 |
| 10354 | AAA | Pulse Waveform (200Hz, 40%) | Generic | 3.98 | ±9.69 |
| 10355 | AAA | Pulse Waveform (200Hz, 60%) | Generic | 2.22 | ± 9,6 9 |
| | AAA | Pulse Waveform (200Hz, 80%) | Generic | 0.97 | ± 9.6 % |
| 10387 | AAA | QPSK Waveform, 1 MHz | Generic | 5.10 | ± 9.6 9 |
| 10388 | AAA | QPSK Waveform, 10 MHz | Generic | 5.22 | ± 9.6 % |
| 10396 | AAA | 64-QAM Waveform, 100 kHz | Generic | 6.27 | ± 9.6 % |
| 10399 | AAA | 64-QAM Waveform, 40 MHz | Generic | 6.27 | ± 9.6 % |
| 10400 | AAE | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 10401 | AAE | IEEE 802,11ac WiFi (40MHz, 64-QAM, 99pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10402 | AAE | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc) | WLAN | 8.53 | ± 9.6 % |
| 10403 | AAB | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.76 | ± 9.6 % |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A) | CDMA2000 | 3.77 | ± 9.6 % |
| 10406 | AAB | CDMA2000, RC3, SO32, SCH0, Full Rate | CDMA2000 | 5.22 | ± 9.6 % |
| 10410 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9) | LTE-TDD | 7.82 | ± 9.6 % |

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Rev: 01

Page: 55 of 63

| 10414 | AAA | WLAN CCDF, 64-QAM, 40MHz | Generic | 8.54 | ± 9.6 9 |
|-------|-----|--|----------|--------------|---------|
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc) | WLAN | 1.54 | ± 9.6 |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 |
| 10417 | AAC | IEEE 802,11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long) | WLAN | 8.14 | ± 9.6 |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) | WLAN | 8.19 | ± 9.6 |
| 10422 | AAC | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | ± 9.6 |
| 10423 | AAC | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | WLAN | 8.47 | ± 9.6 |
| 0424 | AAC | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | WLAN | 8.40 | ± 9.6 |
| 0425 | AAC | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | WLAN | 8.41 | ± 9.6 |
| 0426 | AAC | IEEE 802,11n (HT Greenfield, 90 Mbps, 16-QAM) | WLAN | 8.45 | ± 9.6 |
| 0427 | AAC | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) | WLAN | 8.41 | ± 9.6 |
| 0430 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | LTE-FDD | 8.28 | ± 9.6 |
| 0431 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | LTE-FDD | 8.38 | ± 9.6 |
| 0432 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ± 9.6 |
| 0433 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ± 9.6 |
| 0434 | AAA | W-CDMA (BS Test Model 1, 64 DPCH) | WCDMA | 8.60 | ± 9.6 |
| 0435 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 |
| 0447 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.56 | ± 9.6 |
| 0448 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | LTE-FDD | 7.53 | ± 9.6 |
| 0449 | | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | LTE-FDD | 7.51 | ± 9.6 |
| 0450 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.48 | ± 9.6 |
| 0451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7.59 | ± 9.6 |
| 0453 | AAD | Validation (Square, 10ms, 1ms) | Test | 10.00 | ± 9.6 |
| 0456 | AAC | IEEE 802,11ac WiFi (160MHz, 64-QAM, 99pc dc) | WLAN | 8.63 | ± 9.6 |
| 0457 | AAA | UMTS-FDD (DC-HSDPA) | WCDMA | 6.62 | ± 9.6 |
| 0458 | AAA | CDMA2000 (1xEV-DO, Rev. B. 2 carriers) | CDMA2000 | 6.55 | ± 9.6 |
| 0459 | AAA | CDMA2000 (1xEV-DO, Rev. B. 3 carriers) | CDMA2000 | 8.25 | ± 9.6 |
| 0460 | AAA | UMTS-FDD (WCDMA, AMR) | WCDMA | 2.39 | ± 9.6 |
| 0461 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 |
| 0462 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.30 | ± 9.6 |
| 0463 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ± 9.6 |
| 0464 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 9 |
| 0465 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | | ± 9.6 9 |
| 0466 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 |
| 0467 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | |
| 0468 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 9 |
| 0469 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | | |
| 0470 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 8.56 7.82 | ± 9.6 % |
| 0471 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 ° |
| 0472 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.57 | ±9.69 |
| 0473 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub) | | 7.82 | - |
| 0474 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | | ±9.69 |
| 0475 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub) | | 8.32 | ± 9.6 % |
| 0477 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 9 |
| 0478 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub) | | | |
| | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 8.57 | ±9.65 |
| 0480 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 7.74 | ±9.69 |
| 0481 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.18 | ± 9.6 9 |
| 0482 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub) | LTE-TOD | 8.45 | ±9.69 |
| 0483 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub) | LTE-TDD | 7.71 | ± 9.6 9 |
| 0484 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub) | LTE-TDD | 8.39 | ± 9.6 9 |
| 0485 | AAF | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.47 | ± 9.6 9 |
| 0486 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 7.59 | ±9.69 |
| 0487 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.38 | ± 9.6 % |
| 0488 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.60 | ±9.6 % |

Certificate No: EUmmWV4-9579_Oct21

Page 11 of 19

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f (886-2) 2298-0488



Rev: 01

Page: 56 of 63

| 10489 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 18-QAM, UL Sub) | LTE-TDD | 8.31 | ± 9.6 9 |
|-------|-----|--|---------|------|---------|
| 10490 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 |
| 10491 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 ° |
| 10492 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.41 | ± 9.6 |
| 10493 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ± 9.6 |
| 10494 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 |
| 10495 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.37 | ± 9.6 |
| 10496 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.54 | ± 9.6 |
| 10497 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | ± 9.6 |
| 10498 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.40 | ± 9.6 |
| 10499 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.68 | ± 9.6 ° |
| 10500 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | ± 9.6 |
| 10501 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.44 | ± 9.6 9 |
| 10502 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.52 | ± 9.6 |
| 10503 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.72 | ± 9.6 9 |
| 10504 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | | |
| 10505 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.31 | ± 9.6 9 |
| 10506 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub) | | 8.54 | ± 9.6 9 |
| 10507 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 7.74 | ± 9.6 9 |
| 10508 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub) | | 8.36 | ± 9.6 9 |
| 10509 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 8.55 | ± 9.6 9 |
| 10510 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 7.99 | ± 9.6 9 |
| 10511 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.49 | ± 9.6 9 |
| 10512 | AAF | LTE-TOD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, 6L Sub) | LTE-TDD | 8.51 | ± 9.6 % |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 7.74 | ± 9.6 9 |
| 10514 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8,42 | ± 9.6 % |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc) | LTE-TDD | 8.45 | ± 9.6 9 |
| 10516 | AAA | | WLAN | 1.58 | ± 9.6 9 |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc) | WLAN | 1.57 | ± 9.6 9 |
| 10518 | | | WLAN | 1.58 | ± 9.6 % |
| 10519 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc) | WLAN | 8,23 | ± 9,6 9 |
| 10520 | | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc) | WLAN | 8.39 | ± 9.6 9 |
| 10520 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc) | WLAN | 8.12 | ± 9.6 9 |
| | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc) | WLAN | 7.97 | ± 9.6 9 |
| 10522 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) | WLAN | 8.45 | ± 9.6 9 |
| 10523 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc) | WLAN | 8.08 | ± 9.6 9 |
| 0524 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) | WLAN | 8.27 | ±9.69 |
| 0525 | AAC | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) | WLAN | 8.36 | ± 9.6 9 |
| 0526 | AAC | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 0527 | AAC | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc) | WLAN | 8.21 | ± 9.6 % |
| 0528 | AAC | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) | WLAN | 8.36 | ± 9.6 9 |
| 0529 | AAC | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 0531 | AAC | IEEE 802,11ac WiFi (20MHz, MCS6, 99pc dc) | WLAN | 8.43 | ± 9.6 9 |
| 0532 | AAC | IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc) | WLAN | 8.29 | ±9.69 |
| 10533 | AAC | IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc) | WLAN | 8.38 | ±9.69 |
| 0534 | AAC | IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc) | WLAN | 8.45 | ± 9.6 9 |
| 0535 | AAC | IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) | WLAN | 8.45 | ±9.69 |
| 10536 | AAC | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc) | WLAN | 8.32 | ±9.69 |
| 10537 | AAC | IEEE 802,11ac WiFi (40MHz, MCS3, 99pc dc) | WLAN | 8.44 | ±9.69 |
| 0538 | AAC | IEEE 802,11ac WiFi (40MHz, MCS4, 99pc dc) | WLAN | 8.54 | ± 9.6 % |
| 0540 | AAC | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) | WLAN | 8.39 | ± 9.6 % |
| 0541 | AAC | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) | WLAN | 8.46 | ± 9.6 % |
| 0542 | AAC | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) | WLAN | 8.65 | ± 9.6 % |
| 0543 | AAC | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) | WLAN | 8.65 | ± 9.6 % |
| 0544 | AAC | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) | WLAN | 8.47 | ± 9.6 % |
| 0545 | AAC | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 0546 | AAC | IEEE 802,11ac WiFi (80MHz, MCS2, 99pc dc) | WLAN | 8.35 | ± 9.6 % |

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Rev: 01

Page: 57 of 63

| 0547 | AAC | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc) | WLAN | 8.49 | ± 9.6 ° |
|------|-----|---|------|------|---------|
| 0548 | AAC | IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc) | WLAN | 8.37 | ±9.6 |
| 0550 | AAC | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc) | WLAN | 8.39 | ± 9.6 |
| 0551 | AAC | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc) | WLAN | 8.50 | ± 9.6 |
| 0552 | AAC | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc) | WLAN | 8.42 | ± 9.6 |
| 0553 | AAC | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc) | WLAN | 8.45 | ± 9.6 |
| 0554 | AAD | IEEE 802.11ac WIFI (160MHz, MCS0, 99pc dc) | WLAN | 8.48 | ± 9.6 |
| 0555 | AAD | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc) | WLAN | 8.47 | ± 9.6 |
| 0556 | AAD | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc) | WLAN | 8.50 | ± 9.6 |
| 0557 | AAD | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc) | WLAN | 8.52 | ± 9.6 |
| 0558 | AAD | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc) | WLAN | 8.61 | ± 9.6 ° |
| 0560 | AAD | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc) | WLAN | 8.73 | ± 9.6 |
| 0561 | AAD | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc) | WLAN | 8.56 | ± 9.6 |
| 0562 | AAD | IEEE 802.11ac WIFI (160MHz, MCS8, 99pc dc) | WLAN | 8.69 | ± 9.6 ° |
| 0563 | AAD | IEEE 802.11ac WIFI (160MHz, MCS9, 99pc dc) | WLAN | 8.77 | ± 9.6 ° |
| 0564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) | WLAN | 8.25 | ± 9.6 ° |
| 0565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) | WLAN | 8.45 | ± 9.6 ° |
| 0566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) | WLAN | 8.13 | ± 9.6 9 |
| 0567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) | WLAN | 8.00 | ± 9.6 9 |
| 0568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) | WLAN | 8.37 | ± 9.6 9 |
| 0569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) | WLAN | 8.10 | ± 9.6 9 |
| 0570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc do) | WLAN | 8.30 | ± 9.6 % |
| 0571 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) | WLAN | 1.99 | ± 9.6 9 |
| 0572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) | WLAN | 1,99 | ± 9.6 9 |
| 0573 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) | WLAN | 1.98 | ± 9.6 9 |
| 0574 | AAA | IEEE 802:11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc) | WLAN | 1.98 | ± 9.6 9 |
| 0575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | ± 9.6 9 |
| 0576 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | ± 9.6 9 |
| 0577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ± 9.6 |
| 0578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ± 9.6 9 |
| 0579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) | WLAN | 8.36 | ± 9.6 9 |
| 0580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ± 9.6 9 |
| 0581 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) | WLAN | 8.35 | ± 9.6 9 |
| 0582 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 0583 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | ± 9.6 9 |
| 0584 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | ± 9.6 9 |
| 0585 | AAC | IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ± 9.6 9 |
| 0586 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ± 9.6 9 |
| 0587 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) | WLAN | 8.36 | ± 9.6 9 |
| 0588 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ± 9.6 9 |
| 0589 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) | WLAN | 8.35 | ± 9.6 9 |
| 0590 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) | WLAN | 8.67 | ± 9.6 9 |
| 0591 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc) | WLAN | 8.63 | ± 9.6 9 |
| 0592 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc) | WLAN | 8.79 | ± 9.6 9 |
| 0593 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc) | WLAN | 8.64 | ± 9.6 9 |
| 0594 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc) | WLAN | 8.74 | ± 9.6 9 |
| 0595 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc) | WLAN | 8.74 | ± 9.6 9 |
| 0596 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc) | WLAN | 8.71 | ± 9.6 9 |
| 0597 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) | WLAN | 8.72 | ± 9.6 9 |
| 0598 | AAC | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc) | WLAN | 8.50 | ± 9.6 9 |
| 0599 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc) | WLAN | 8.79 | ± 9.6 9 |
| 0600 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc) | WLAN | 8.88 | ± 9.6 9 |
| 0601 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 0602 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 0603 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc) | WLAN | 9.03 | ± 9.6 % |
| 0604 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc) | WLAN | 8.76 | ± 9.6 % |

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Rev: 01

Page: 58 of 63

| 10605 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc) | WLAN | 8.97 | ± 9.6 9 |
|-------|-----|---|-----------|-------|---------|
| 10606 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 |
| 10607 | AAC | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc) | WLAN | 8.64 | ± 9.6 |
| 10608 | AAC | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc) | WLAN | 8.77 | ± 9.6 |
| 10609 | AAC | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc) | WLAN | 8.57 | ± 9.6 |
| 10610 | AAC | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) | WLAN | 8.78 | ± 9.6 |
| 10611 | AAC | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc) | WLAN | 8.70 | ± 9.6 |
| 10612 | AAC | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 |
| 10613 | AAC | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc) | WLAN | 8.94 | ± 9.6 |
| 10614 | AAC | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc) | WLAN | 8.59 | ± 9.6 |
| 10615 | AAC | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 |
| 10616 | AAC | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc) | WLAN | 8.82 | ± 9.6 |
| 10617 | AAC | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc) | WLAN | 8.81 | ± 9.6 |
| 10618 | AAC | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc) | WLAN | 8.58 | ± 9.6 9 |
| 10619 | AAC | IEEE 802.11ac WIFI (40MHz, MCS3, 90pc dc) | WLAN | 8.86 | ± 9.6 9 |
| 10620 | AAC | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc) | WLAN | 8.87 | ± 9.6 % |
| 10621 | AAC | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 9 |
| 10622 | AAC | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc) | WLAN | 8.68 | ± 9.6 9 |
| 10623 | AAC | IEEE 802.11ac WiFI (40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 9 |
| 10624 | AAC | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc) | WLAN | 8.96 | ± 9.6 |
| 10625 | AAC | IEEE 802,11ac WiFi (40MHz, MCS9, 90pc dc) | WLAN | 8.96 | ± 9.6 9 |
| 10626 | AAC | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc) | WLAN | 8.83 | ± 9.6 |
| 10627 | AAC | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc) | WLAN | 8.88 | ± 9.6 9 |
| 10628 | AAC | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc) | WLAN | 8.71 | ± 9.6 9 |
| 10629 | AAC | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc) | WLAN | 8.85 | ± 9.6 9 |
| 10630 | AAC | IEEE 802.11ac WIFI (80MHz, MCS4, 90pc dc) | WLAN | 8.72 | ± 9.6 |
| 10631 | AAC | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc) | WLAN | 8.81 | ± 9.6 9 |
| 10632 | AAC | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | ± 9.6 9 |
| 10633 | AAC | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc) | WLAN | 8.83 | ± 9.6 |
| 10634 | AAC | IEEE 802.11ac WIFI (80MHz, MCS8, 90pc dc) | WLAN | 8.80 | ± 9.6 |
| 10635 | AAC | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc) | WLAN | 8.81 | ± 9.6 9 |
| 10636 | AAD | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc) | WLAN | 8.83 | ± 9.6 9 |
| 10637 | AAD | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc) | WLAN | 8.79 | ± 9.6 9 |
| 10638 | AAD | IEEE 802.11ac WIFI (160MHz, MCS2, 90pc dc) | WLAN | 8.86 | ± 9.6 9 |
| 10639 | AAD | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc) | WLAN | 8.85 | ± 9.6 9 |
| 10640 | AAD | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc) | WLAN | 8.98 | ± 9.6 9 |
| 10641 | AAD | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc) | WLAN | 9.06 | ± 9.6 9 |
| 10642 | AAD | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc) | WLAN | 9.06 | ± 9.6 % |
| 10643 | AAD | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc) | WLAN | 8.89 | ± 9.6 % |
| 10644 | AAD | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc) | WLAN | 9.05 | ± 9.6 9 |
| 10645 | AAD | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) | WLAN | 9.11 | ± 9.6 9 |
| 10646 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ± 9.6 9 |
| 10647 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10648 | AAA | CDMA2000 (1x Advanced) | CDMA2000 | 3.45 | ±9.69 |
| 10652 | AAE | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.91 | ±9.69 |
| 10653 | AAE | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.42 | ±9.69 |
| 10654 | AAD | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.96 | ±9.69 |
| 10655 | AAE | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.21 | ±9.6 9 |
| 10658 | AAA | Pulse Waveform (200Hz, 10%) | Test | 10.00 | ±9.6 % |
| 10659 | AAA | Pulse Waveform (200Hz, 20%) | Test | 6.99 | ± 9.6 % |
| 10660 | AAA | Pulse Waveform (200Hz, 40%) | Test | 3.98 | ± 9.6 % |
| 10661 | AAA | Pulse Waveform (200Hz, 60%) | Test | 2.22 | ± 9.6 % |
| 10662 | AAA | Pulse Waveform (200Hz, 80%) | Test | 0.97 | ± 9.6 9 |
| 10670 | AAA | Bluetooth Low Energy | Bluetooth | | |
| 10671 | AAC | IEEE 802.11ax (20MHz, MCS0, 90pc dc) | WLAN | 9.09 | ± 9.6 % |
| 10672 | | IEEE 802.11ax (20MHz, MCS1, 90pc dc) | WLAN | 8.57 | ± 9.6 9 |

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Rev: 01

Page: 59 of 63

| 0673 | AAC | IEEE 802.11ax (20MHz, MCS2, 90pc dc) | WLAN | 8.78 | ±9.6 9 |
|------|-----|---------------------------------------|------|--------------|---------|
| 0674 | AAC | IEEE 802.11ax (20MHz, MCS3, 90pc dc) | WLAN | 8.74 | ± 9.6 |
| 0675 | AAC | (EEE 802.11ax (20MHz, MCS4, 90pc dc) | WLAN | 8.90 | ± 9.6 |
| 0676 | AAC | IEEE 802.11ax (20MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 |
| 0677 | AAC | IEEE 802.11ax (20MHz, MCS6, 90pc dc) | WLAN | 8.73 | ± 9.6 ° |
| 0678 | AAC | IEEE 802.11ax (20MHz, MCS7, 90pc dc) | WLAN | 8.78 | ± 9.6 |
| 0679 | AAC | IEEE 802.11ax (20MHz, MCS8, 90pc dc) | WLAN | 8.89 | ± 9.6 9 |
| 0680 | AAC | IEEE 802.11ax (20MHz, MCS9, 90pc dc) | WLAN | 8.80 | ± 9.6 9 |
| 0681 | AAC | IEEE 802.11ax (20MHz, MCS10, 90pc dc) | WLAN | 8.62 | ± 9.6 ° |
| 0682 | AAC | IEEE 802.11ax (20MHz, MCS11, 90pc dc) | WLAN | 8.83 | ± 9.6 9 |
| 0683 | AAC | IEEE 802.11ax (20MHz, MCS0, 99pc dc) | WLAN | 8.42 | ± 9.6 9 |
| 0684 | AAC | IEEE 802.11ax (20MHz, MCS1, 99pc dc) | WLAN | 8.26 | ± 9.6 ° |
| 0685 | AAC | IEEE 802.11ax (20MHz, MCS2, 99pc dc) | WLAN | 8.33 | ± 9.6 9 |
| 0686 | AAC | IEEE 802.11ax (20MHz, MCS3, 99pc dc) | WLAN | 8.28 | ± 9.6 |
| 0687 | AAC | IEEE 802.11ax (20MHz, MCS4, 99pc dc) | WLAN | 8.45 | ± 9.6 ° |
| 0688 | AAC | IEEE 802.11ax (20MHz, MCS5, 99pc dc) | WLAN | 8.29 | ± 9.6 9 |
| 0689 | AAC | IEEE 802,11ax (20MHz, MCS6, 99pc dc) | WLAN | 8.55 | ± 9.6 ° |
| 0690 | AAC | IEEE 802.11ax (20MHz, MCS7, 99pc dc) | WLAN | 8.29 | ± 9.6 9 |
| 0691 | AAC | IEEE 802.11ax (20MHz, MCS8, 99pc dc) | WLAN | 8.25 | ± 9.6 9 |
| 0692 | AAC | IEEE 802.11ax (20MHz, MCS9, 99pc dc) | WLAN | 8.29 | ± 9.6 ° |
| 0693 | AAC | IEEE 802,11ax (20MHz, MCS10, 99pc dc) | WLAN | 8.25 | ± 9.6 ° |
| 0694 | AAC | IEEE 802.11ax (20MHz, MCS11, 99pc dc) | WLAN | 8.57 | ± 9.6 ° |
| 0695 | AAC | IEEE 802.11ax (40MHz, MCS0, 90pc dc) | WLAN | 8.78 | ± 9.6 9 |
| 0696 | AAC | IEEE 802.11ax (40MHz, MCS1, 90pc dc) | WLAN | 8.91 | ± 9.6 9 |
| 0697 | AAC | IEEE 802.11ax (40MHz, MCS2, 90pc dc) | WLAN | 8.61 | ± 9.6 9 |
| 0698 | AAC | IEEE 802.11ax (40MHz, MCS3, 90pc dc) | WLAN | 8.89 | ± 9.6 9 |
| 0699 | AAC | IEEE 802.11ax (40MHz, MCS4, 90pc dc) | WLAN | 8.82 | ± 9.6 9 |
| 0700 | AAC | IEEE 802.11ax (40MHz, MCS5, 90pc dc) | WLAN | 8.73 | ± 9.6 9 |
| 0701 | AAC | IEEE 802,11ax (40MHz, MCS6, 90pc dc) | WLAN | 8.86 | ± 9.6 9 |
| 0702 | AAC | IEEE 802.11ax (40MHz, MCS7, 90pc dc) | WLAN | 8.70 | ± 9.6 9 |
| 0703 | AAC | IEEE 802.11ax (40MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 9 |
| 0704 | AAC | IEEE 802.11ax (40MHz, MCS9, 90pc dc) | WLAN | 8.56 | ± 9.6 9 |
| 0705 | AAC | IEEE 802.11ax (40MHz, MCS10, 90pc dc) | WLAN | 8.69 | ± 9.6 9 |
| 0706 | AAC | IEEE 802.11ax (40MHz, MCS11, 90pc dc) | WLAN | 8.66 | ± 9.6 9 |
| 0707 | AAC | IEEE 802.11ax (40MHz, MCS0, 99pc dc) | WLAN | 8.32 | ± 9.6 9 |
| 0708 | AAC | IEEE 802.11ax (40MHz. MCS1, 99pc dc) | WLAN | 8.55 | ± 9.6 9 |
| 0709 | AAC | IEEE 802.11ax (40MHz, MCS2, 99pc dc) | WLAN | 8.33 | ± 9.6 9 |
| 0710 | AAC | IEEE 802.11ax (40MHz, MCS3, 99pc dc) | WLAN | 8.29 | ± 9.6 9 |
| 0711 | AAC | IEEE 802.11ax (40MHz, MCS4, 99pc dc) | WLAN | 8.39 | ± 9.6 9 |
| 0712 | AAC | IEEE 802.11ax (40MHz, MCS5, 99pc dc) | WLAN | 8.67 | ± 9.6 9 |
| 0713 | AAC | IEEE 802.11ax (40MHz, MCS6, 99pc dc) | WLAN | 8.33 | ± 9.6 9 |
| 0714 | AAC | IEEE 802.11ax (40MHz, MCS7, 99pc dc) | WLAN | | |
| 0715 | AAC | IEEE 802.11ax (40MHz, MCS8, 99pc dc) | WLAN | 8.26 8.45 | ± 9.6 9 |
| 0716 | AAC | IEEE 802.11ax (40MHz, MCS9, 99pc dc) | WLAN | 8.30 | ± 9.6 9 |
| 0717 | AAC | IEEE 802.11ax (40MHz, MCS10, 99pc dc) | WLAN | | - |
| 0718 | AAC | IEEE 802.11ax (40MHz, MCS11, 99pc dc) | WLAN | 8.48 | ± 9.6 9 |
| 0719 | AAC | IEEE 802.11ax (80MHz, MCS0, 90pc dc) | | | ± 9.6 % |
| 0720 | AAC | IEEE 802.11ax (80MHz, MCS1, 90pc dc) | WLAN | 8.81 | ± 9.6 9 |
| 0721 | AAC | IEEE 802.11ax (80MHz, MCS2, 90pc dc) | WLAN | 8.87 | ± 9.6 9 |
| 0722 | | IEEE 802.11ax (80MHz, MCS2, 90pc dc) | WLAN | 8.76 | ± 9.6 9 |
| 0723 | AAC | IEEE 802.11ax (80MHz, MCS3, 90pc dc) | WLAN | 8.55 | ± 9.6 9 |
| 0724 | | IEEE 802.11ax (80MHz, MCS4, 90pc dc) | WLAN | 8.70 | ±9.69 |
| 0725 | AAC | IEEE 802.11ax (60MHz, MCS6, 90pc dc) | WLAN | 8.90 | ± 9.6 9 |
| 0726 | AAC | IEEE 802.11ax (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 0727 | AAC | IEEE 802.11ax (80MHz, MCS7, 90pc dc) | WLAN | 8.72 | ± 9,6 % |
| VIZI | MMC | IEEE 802,11ax (80MHz, MCS8, 90pc dc) | WLAN | 8.66 | ± 9.6 % |

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Rev: 01

Page: 60 of 63

| 10729 | AAC | IEEE 802.11ax (80MHz, MCS10, 90pc dc) | WLAN | DCA | 10000 |
|-------|------|--|---------------|------|---------|
| 10730 | AAC | IEEE 802.11ax (80MHz, MCS11, 90pc dc) | WLAN | 8.64 | ± 9.6 9 |
| 10731 | AAC | IEEE 802.11ax (80MHz, MCS0, 99pc dc) | WLAN | 8.67 | ±9.69 |
| 0732 | AAC | IEEE 802.11ax (80MHz, MCS1, 99pc dc) | WLAN | 8.46 | ± 9.6 9 |
| 0733 | AAC | IEEE 802.11ax (80MHz, MCS2, 99pc dc) | WLAN | 8.40 | ± 9.6 9 |
| 0734 | AAC | IEEE 802.11ax (80MHz, MCS3, 99pc dc) | WLAN | 8.25 | ± 9.6 9 |
| 0735 | AAC | IEEE 802.11ax (80MHz, MCS4, 99pc dc) | WLAN | 8.33 | ± 9.6 9 |
| 0736 | AAC | IEEE 802.11ax (80MHz, MCS5, 99pc dc) | WLAN | 8.27 | ± 9.6 9 |
| 0737 | AAC | IEEE 802.11ax (80MHz, MCS6, 99pc dc) | WLAN | 8.36 | ± 9.6 9 |
| 0738 | AAC | IEEE 802.11ax (80MHz, MCS7, 99pc dc) | WLAN | 8.42 | ± 9.6 9 |
| 10739 | AAC | IEEE 802.11ax (80MHz, MCS8, 99pc dc) | WLAN | 8.29 | ± 9.6 9 |
| 10740 | AAC | IEEE 802,11ax (80MHz, MCS9, 99pc dc) | WLAN | 8.48 | ± 9.6 9 |
| 0741 | AAC | (EEE 802.11ax (80MHz, MCS10, 99pc dc) | WLAN | 8.40 | ± 9.6 9 |
| 0742 | AAC | IEEE 802.11ax (80MHz, MCS11, 99pc dc) | WLAN | 8.43 | ± 9.6 9 |
| 0743 | AAC | IEEE 802.11ax (160MHz, MCS0, 90pc dc) | WLAN | 8.94 | ± 9.6 9 |
| 10744 | AAC | IEEE 802,11ax (160MHz, MCS1, 90pc do) | WLAN | 9.16 | ± 9.6 9 |
| 0745 | AAC | IEEE 802.11ax (160MHz, MCS2, 90pc dc) | WLAN | 8.93 | ±9.69 |
| 10746 | AAC | IEEE 802.11ax (160MHz, MCS3, 90pc dc) | WLAN. | 9.11 | ± 9.6 9 |
| 0747 | AAC | IEEE 802.118x (160MHz, MCS4, 90pc dc) | WLAN | 9.04 | ± 9.6 9 |
| 10748 | AAC: | IEEE 802.11ax (160MHz, MCS5, 90pc dc) | WLAN | 8.93 | ± 9.6 9 |
| 0749 | AAC | IEEE 802.11ax (160MHz, MCS6, 90pc dc) | WLAN | 8.90 | ± 9.6 9 |
| 10750 | AAC | IEEE 802.11ax (160MHz, MCS7, 90pc dc) | WLAN | 8.79 | ± 9.6 9 |
| 0751 | AAC | IEEE 802.11ax (160MHz, MCS8, 90pc dc) | WLAN | 8.82 | ±9.69 |
| 10752 | AAC | IEEE 802.11ax (160MHz, MCS9, 90pc dc) | WLAN | 8.81 | ± 9.6 9 |
| 0753 | AAC | IEEE 802.11ax (160MHz, MCS10, 90pc dc) | WLAN | 9.00 | ±9.69 |
| 0754 | AAC | IEEE 802.11ax (160MHz, MCS11, 90pc dc) | WLAN | 8.94 | ± 9.6 9 |
| 10755 | AAC | IEEE 802.11ax (160MHz, MCS0, 99pc dc) | WLAN | 8.64 | ± 9.6 9 |
| 10756 | AAC | IEEE 802.11ax (160MHz, MCS1, 99pc dc) | WLAN | 8.77 | ± 9.6 9 |
| 10757 | AAC | IEEE 802.11ax (160MHz, MCS2, 99pc dc) | WLAN | 8.77 | ± 9.6 9 |
| 10758 | AAC | IEEE 802.11ax (160MHz, MCS3, 99pc dc) | WLAN | 8.69 | ± 9.6 9 |
| 10759 | AAC | IEEE 802.11ax (160MHz, MCS4, 99pc dc) | WLAN | 8.58 | ± 9.6 9 |
| 10760 | AAC | IEEE 802.11ax (160MHz, MCS5, 99pc dc) | WLAN: | 8.49 | ± 9.6 9 |
| 10761 | AAC | IEEE 802.11ax (160MHz, MCS6, 99pc dc) | WLAN | 8.58 | ± 9.6 9 |
| 10762 | AAC | IEEE 802.11ax (160MHz, MCS7, 99pc dc) | WLAN | 8.49 | ±9.69 |
| 10763 | AAC | IEEE 802.11ax (160MHz, MCS8, 99pc dc) | WLAN | 8.53 | ±9.69 |
| 10764 | AAC | IEEE 802.11ax (160MHz, MCS9, 99pc dc) | WLAN | 8.54 | ± 9.6 9 |
| 10765 | AAC | IEEE 802.11ax (160MHz, MCS10, 99pc dc) | WLAN | 8.54 | ±9.69 |
| 10766 | AAC | IEEE 802,11ax (160MHz, MCS11, 99pc dc) | WLAN | 8.51 | ± 9.6 9 |
| 10767 | AAE | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 7.99 | ± 9.6 9 |
| 10768 | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10769 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10770 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10771 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10772 | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.23 | ± 9.6 % |
| 10773 | | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.03 | ± 9.6 % |
| 10774 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10775 | AAD | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 | ± 9.6 9 |
| 10776 | | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10777 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 9 |
| 10778 | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10780 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10781 | AAD | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.38 | ±9.6 % |
| 10782 | AAD | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10783 | AAE | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 | ± 9.6 % |
| 10784 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.29 | ± 9.6 % |

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Rev: 01

Page: 61 of 63

| 10785 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 |
|-------|------|---|---------------|------|---------|
| 10786 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 |
| 10787 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.44 | ± 9.6 |
| 10788 | | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 |
| 10789 | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 |
| 10790 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 |
| 10791 | AAE | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.83 | ± 9.6 |
| 10792 | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.92 | ± 9.6 |
| 10793 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.95 | ± 9.6 |
| 10794 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ± 9.6 |
| 10795 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.84 | ± 9.6 |
| 10796 | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ± 9.6 |
| 10797 | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 |
| 10798 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ± 9.6 |
| 10799 | AAD | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | ± 9.6 |
| 10801 | AAD | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ± 9.6 |
| 10802 | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.87 | ± 9.6 |
| 10803 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | ± 9.6 |
| 10805 | AAD. | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 |
| 10806 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 |
| 10809 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 |
| 10810 | AAD | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 |
| 10812 | AAD | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 |
| 10817 | AAE | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 |
| 10818 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 |
| 10819 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.33 | ± 9.6 |
| 10820 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 |
| 10821 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 |
| 10822 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 |
| 10823 | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 |
| 10824 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 |
| 10825 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 |
| 10827 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.42 | ± 9.6 |
| 10828 | AAD | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.43 | ± 9.6 |
| 10829 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 |
| 10830 | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.63 | ± 9.6 ° |
| 10831 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.73 | ± 9,6 9 |
| 10832 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.74 | ± 9.6 |
| 10833 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 |
| 10834 | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.75 | ± 9.6 ° |
| 10835 | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 |
| 10836 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.66 | ± 9.6 9 |
| 10837 | AAD | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.68 | ± 9.6 |
| 10839 | AAD | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 9 |
| 10840 | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.67 | ±9.6 |
| 10841 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.71 | ± 9.6 |
| 10843 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.49 | ±9.69 |
| 10844 | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 |
| 10846 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 |
| 10854 | | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 |
| 10855 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.36 | ± 9,6 9 |
| 10856 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 9 |
| 10857 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 KHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 9 |
| 10858 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10859 | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10860 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 9 |

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Rev: 01

Page: 62 of 63

| 10861 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 9 |
|-------|-----|--|---------------|------|---------|
| 10863 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 |
| 10864 | AAD | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 |
| 10865 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 |
| 10866 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 |
| 10868 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.89 | ± 9.6 |
| 10869 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.86 | ± 9.6 |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 5.75 | ±9.6 |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52 | ± 9.6 |
| 10873 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ± 9.6 |
| 10874 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ± 9.6 9 |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.39 | ± 9.6 9 |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 7.95 | ±9.69 |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ± 9.6 9 |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.12 | ± 9.6 9 |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.38 | ± 9.6 ° |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 9 |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.96 | ± 9.6 |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.57 | ± 9.6 ° |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.53 | ± 9.6 9 |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ± 9.6 9 |
| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 |
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ±9.6 ° |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.35 | ± 9.6 9 |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.02 | ± 9.6 9 |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.40 | ± 9.6 ° |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.13 | ± 9.6 |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ± 9.6 |
| 10897 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.66 | ± 9.6 % |
| 10898 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ±9.6 9 |
| 10899 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ± 9.6 9 |
| 10900 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10901 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 |
| 10902 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6% |
| 10903 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 9 |
| 10904 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 |
| 10905 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 5 |
| 10906 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.69 |
| 10907 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.78 | ± 9.6 ° |
| 10908 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ± 9.6 |
| 10909 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.96 | ± 9.6 9 |
| 10910 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ±9.65 |
| 10911 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ±9.6 |
| 10912 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 |
| 10913 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 9 |
| 10914 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.85 | ± 9.6 |
| 10915 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ±9.69 |
| 10916 | | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | ± 9.6 9 |
| 10917 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ±9.69 |
| 10918 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ± 9.6 9 |
| 10919 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ± 9.6 9 |
| 10920 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10921 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 9 |
| 10922 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.82 | ± 9.6 9 |

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Rev: 01

Page: 63 of 63

| 10923 | AAR | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | CO NO EDI TOD | Lens | |
|---------|-----|---|--------------------------------|-------|---------|
| 10924 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 |
| 10925 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 |
| 10926 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.95 | ± 9.6 |
| 10927 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 |
| 10928 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 5.94 | ± 9.6 |
| 10929 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ± 9.6 |
| 10930 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD 5G NR FR1 FDD | 5.52 | ± 9.6 |
| 10931 | AAC | 5G NR (DFT-s-0FDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5,52 | ± 9.6 |
| 10932 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 |
| 10933 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 |
| 10934 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 |
| 10935 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 |
| 10936 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) | | 5.51 | ± 9.6 |
| 10937 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ± 9.6 |
| 10938 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | | 5.77 | ± 9,6 ° |
| 10939 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 KHz) | 5G NR FR1 FDD | 5.90 | ± 9.6 ° |
| 10940 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD 5G NR FR1 FDD | 5.82 | ± 9.6 |
| 10941 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | | 5.89 | ± 9.6 |
| 10942 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ± 9.6 ° |
| 10943 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ± 9.6 |
| 10944 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.95 | ± 9.6 |
| 10945 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.81 | ± 9.6 5 |
| 10946 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD 5G NR FR1 FDD | 5.85 | ± 9.6 ° |
| 10947 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ± 9.6 ° |
| 10948 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ± 9.6 ° |
| 10949 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | - | |
| 10950 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ± 9.6 |
| 10951 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.92 | ± 9.6 |
| 10952 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | | |
| 10953 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.25 | ± 9.6 ° |
| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.15 | ± 9.6 ° |
| 10955 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.42 | |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.14 | ±9.6 |
| 10957 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.31 | ± 9.6 |
| 0958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.61 | ± 9.6 |
| 0959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 KHz) | 5G NR FR1 FDD | 8.33 | ± 9.6 9 |
| 0960 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.32 | ± 9.6 |
| 2.0.0.0 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.36 | ± 9.6 |
| 0962 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.40 | ± 9.6 9 |
| | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.55 | ± 9.6 9 |
| 0964 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.29 | ± 9.6 9 |
| 0965 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.37 | ± 9.6 |
| 0966 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.55 | ±9.69 |
| 0967 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.42 | ±9.6 9 |
| 0968 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49 | ±9.69 |
| 0972 | AAB | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 11.59 | ± 9.6 9 |
| 0973 | AAB | 5G NR (DFT-s-OFDM: 1 RB, 100 MHz, QPSK: 30 kHz) | 5G NR FR1 TDD | 9.06 | ±9.69 |
| 0974 | AAB | 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) | 5G NR FR1 TDD | 10.28 | ± 9.6 9 |
| 0978 | AAA | ULLA BDR | ULLA | 2.23 | ± 9.6 9 |
| 0979 | AAA | ULLA HDR4 | ULLA | 7.02 | ± 9.6 % |
| 10980 | AAA | ULLA HDR8 | ULLA | - | ± 9.6 9 |
| 0981 | AAA | ULLA HDRp4 | ULLA | 8.82 | |
| 0982 | AAA | ULLA HDRp8 | ULLA | 1.50 | ± 9.6 9 |

Certificate No: EUmmWV4-9579_Oct21

- End of report -

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

Unless ounerwise stated une results snown in this test report reter only to the sample(s) tested and such as ample(s) are retained for 90 days only. We #shaft #sh prosecuted to the fullest extent of the law.