APPENDIX E: EQUIPMENT CALIBRATION CERTIFICATES

#### **Calibration Laboratory of**

Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kalibrierdienst

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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service Is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

| Client | PC Test |
|--------|---------|
|        |         |

Certificate No: EUmmWV4-9523\_Jan21

# CALIBRATION CERTIFICATE

| Object   | EUmmWV4 - SN:9523   |
|--|---|
| Calibration procedure(s)                                       | QA CAL-02.v9, QA CAL-25.v7, QA CAL-42.v2<br>Calibration procedure for E-field probes optimized for close near field<br>evaluations in air   |
| Calibration date:  | January 11, 2021  |
| This calibration certificate doc<br>The measurements and the u | uments the traceability to national standards, which realize the physical units of measurements (SI).<br>ncertainties 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       | 01-Apr-20 (No. 217-03100/03101)   | Apr-21                 |
| Power sensor NRP-Z91       | SN: 103244       | 01-Apr-20 (No. 217-03100)         | Apr-21                 |
| Power sensor NRP-Z91       | SN: 103245       | 01-Apr-20 (No. 217-03101)         | Арг-21                 |
| Reference 20 dB Attenuator | SN: CC2552 (20x) | 31-Mar-20 (No. 217-03106)         | Apr-21                 |
| 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-21 |

|                             | Name                                   | Function                              | Signature                |
|-----------------------------|--|---------------------------------------|--------------------------|
| Calibrated by:              | Jeton Kastrati                         | Laboratory Technician                 |                          |
| l                           |  |                                       |                          |
| Approved by:                | Katja Pokovic                          | Technical Manager                     |                          |
|                             |  |                                       | Auto                     |
|                             |  |                                       | Issued: January 13, 2021 |
| This calibration certificat | e shall not be reproduced except in fu | l without written approval of the lab | oratory.                 |

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| Glossary:                             |   |
|---------------------------------------|---|
| NORMx,y,z                             | sensitivity in free space   |
| DCP                                   | diode compression point   |
| CF                                    | crest factor (1/duty_cycle) of the RF signal  |
| A, B, C, D                            | modulation dependent linearization parameters   |
| Polarization φ                        | φ rotation around probe axis  |
| Polarization §                        | $\vartheta$ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis  |
| Connector Angle<br>Sensor Angles<br>k | Information used in DASY system to align probe sensor X to the robot coordinate system sensor deviation from the probe axis, used to calculate the field orientation and polarization is the wave propagation direction |
|                                       |   |

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

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

#### Methods Applied and Interpretation of Parameters:

- NORMx,y,z: 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.
- *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
- The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R, R<sub>p</sub>, inductance L and capacitors C, C<sub>p</sub>).
- *Ax,y,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.
- 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 isotropy (3D deviation from isotropy): in a locally homogeneous field realized using an open waveguide / horn setup.

# DASY - Parameters of Probe: EUmmWV4 - SN:9523

#### Basic Calibration Parameters

|                         | Sensor X | Sensor Y | Unc (k=2) |
|-------------------------|----------|----------|-----------|
| Norm $(\mu V/(V/m)^2)$  | 0.01746  | 0.01877  | ± 10.1 %  |
| DCP (mV) <sup>B</sup>   | 105.0    | 105.0    |           |
| Equivalent Sensor Angle | -61.0    | 35.5     |           |

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

| Frequency | Target E-Field | Deviation Sensor X | Deviation Sensor Y<br>dB | Unc (k=2)<br>dB |
|-----------|----------------|--------------------|--------------------------|-----------------|
| GHz       | V/m            | dB                 |                          |                 |
| 0.75      | 77.2           | -0.31              | -0.09                    | ± 0.43 dB       |
| 1.8       | 140.4          | 0.07               | 0.05                     | ± 0.43 dB       |
| 2         | 133.0          | 0.05               | 0.07                     | ± 0.43 dB       |
| 2.2       | 124.8          | 0.04               | 0.07                     | ± 0.43 dB       |
| 2.5       | 123.0          | -0.04              | -0.02                    | ± 0.43 dB       |
| 3.5       | 256.2          | 0.19               | 0.07                     | ± 0.43 dB       |
| 3.7       | 249.8          | 0.24               | 0.09                     | ± 0.43 dB       |
| 6.6       | 41.8           | -0.24              | 0.14                     | ± 0.98 dB       |
| 8         | 48.4           | -0.32              | -0.32                    | ± 0.98 dB       |
| 10        | 54.4           | -0.03              | -0.01                    | ± 0.98 dB       |
| 15        | 71.5           | 0.75               | -0.05                    | ± 0.98 dB       |
| 18        | 85.3           | -0.09              | 0.23                     | ± 0.98 dB       |
| 26.6      | 96.9           | 0.11               | 0.09                     | ± 0.98 dB       |
| 30        | 92.6           | 0.14               | 0.09                     | ± 0.98 dB       |
| 35        | 93.7           | -0.26              | -0.06                    | ± 0.98 dB       |
| 40        | 91.5           | -0.37              | -0.41                    | ± 0.98 dB       |
|           |                |                    |                          |                 |
| 50        | 19.6           | -0.39              | -0.19                    | ± 0.98 dB       |
| 55        | 22.4           | 0.36               | 0.28                     | ± 0.98 dB       |
| 60        | 23.0           | -0.10              | -0.07                    | ± 0.98 dB       |
| 65        | 27.4           | 0.22               | 0.15                     | ± 0.98 dB       |
| 70        | 23.9           | 0.54               | 0.21                     | ± 0.98 dB       |
| 75        | 20.0           | 0.03               | 0.04                     | ± 0.98 dB       |
| 75        | 14.8           | -0.18              | 0.01                     | ± 0.98 dB       |
| 80        | 22.5           | 0.24               | 0.30                     | ± 0.98 dB       |
| 85        | 22.8           | 0.14               | 0.02                     | ± 0.98 dB       |
| 90        | 23.8           | 0.06               | 0.06                     | ± 0.98 dB       |
| 92        | 23.9           | -0.18              | -0.23                    | ± 0.98 dB       |
| 95        | 20.5           | -0.28              | -0.24                    | ± 0.98 dB       |
| 97        | 24.4           | -0.18              | -0.16                    | ± 0.98 dB       |
| 100       | 22.6           | -0.04              | -0.06                    | ± 0.98 dB       |
| 105       | 22.7           | 0.08               | 0.13                     | ± 0.98 dB       |
| 110       | 19.7           | 0.18               | 0.16                     | ± 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%.

<sup>8</sup> Numerical linearization parameter: uncertainty not required.

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

# DASY - Parameters of Probe: EUmmWV4 - SN:9523

| UID    | Communication System Name   |   | A<br>dB | B<br>dBõV | С     | D<br>dB | VR<br>mV | Max<br>dev. | Max<br>Unc <sup>e</sup><br>(k=2) |
|--------|-----------------------------|---|---------|-----------|-------|---------|----------|-------------|----------------------------------|
| 0      | - Cw                        | X | 0.00    | 0.00      | 1.00  | 0.00    | 113.5    | ± 3.3 %     | ± 4.7 %                          |
|        |                             | Y | 0.00    | 0.00      | 1.00  |         | 93.3     | 1           |                                  |
| 10352- | Pulse Waveform (200Hz, 10%) | X | 2.20    | 60.00     | 14.30 | 10.00   | 6.0      | ± 1.1 %     | ± 9.6 %                          |
| AAA    |                             | Y | 2.26    | 60.00     | 14.75 |         | 6.0      |             |                                  |
| 10353- | Pulse Waveform (200Hz, 20%) | X | 1.49    | 60.00     | 13.26 | 6.99    | 12.0     | ± 1.1 %     | ± 9.6 %                          |
| AAA    |                             | Y | 1.52    | 60.00     | 13.77 |         | 12.0     |             |                                  |
| 10354- | Pulse Waveform (200Hz, 40%) | X | 0.88    | 60.00     | 12.13 | 3.98    | 23.0     | ± 1.1 %     | ± 9.6 %                          |
| AAA    |                             | Y | 0.90    | 60.00     | 12.69 |         | 23.0     |             |                                  |
| 10355- | Pulse Waveform (200Hz, 60%) | X | 0.53    | 60.00     | 11.51 | 2.22    | 27.0     | ± 1.0 %     | ± 9.6 %                          |
| AAA    |                             | Y | 0,55    | 60.00     | 12.06 |         | 27.0     |             |                                  |
| 10387- | QPSK Waveform, 1 MHz        | X | 1.16    | 60.00     | 12.21 | 1.00    | 22.0     | ± 1.3 %     | ± 9.6 %                          |
| AAA    |                             | Y | 1.18    | 60.00     | 12.49 |         | 22.0     |             |                                  |
| 10388- | QPSK Waveform, 10 MHz       | X | 1.27    | 60.00     | 12.08 | 0.00    | 22.0     | ± 0.7 %     | ± 9.6 %                          |
| AAA    |                             | Y | 1.26    | 60.00     | 12.30 |         | 22.0     |             |                                  |
| 10396- | 64-QAM Waveform, 100 kHz    | X | 2,24    | 61.01     | 14.03 | 3.01    | 17.0     | ± 0.7 %     | ± 9.6 %                          |
| AAA    |                             | Y | 2.50    | 61.97     | 14.55 |         | 17.0     |             |                                  |
| 10399- | 64-QAM Waveform, 40 MHz     | X | 2.07    | 60.00     | 12.53 | 0.00    | 19.0     | ± 0.8 %     | ± 9.6 %                          |
| AAA    |                             | Y | 2.04    | 60.00     | 12.73 |         | 19.0     |             |                                  |
| 10414- | WLAN CCDF, 64-QAM, 40MHz    | X | 3.18    | 60.00     | 12.93 | 0.00    | 12.0     | ± 1.0 %     | ± 9.6 %                          |
| AAA    |                             | Y | 3.11    | 60.00     | 13.12 | ]       | 12.0     |             | 1                                |

#### **Calibration Results for Modulation Response**

Note: For details on all calibrated UID parameters see Appendix

#### **Calibration Results for Linearity Response**

| Frequency<br>GHz | Target E-Field<br>V/m | Deviation Sensor X dB | Deviation Sensor Y dB | Unc (k=2)<br>dB |
|------------------|-----------------------|-----------------------|-----------------------|-----------------|
| 0.9              | 50.0                  | 0.14                  | 0.15                  | ± 0.2 dB        |
| 0.9              | 100.0                 | 0.03                  | -0.01                 | ± 0.2 dB        |
| 0.9              | 500.0                 | 0.04                  | -0.03                 | ± 0.2 dB        |
| 0.9              | 1000.0                | 0.07                  | -0.01                 | ± 0.2 dB        |
| 0.9              | 1500.0                | 0.06                  | 0.00                  | ± 0.2 dB        |
| 0.9              | 2000.0                | 0.05                  | -0.02                 | ± 0.2 dB        |

#### Sensor Frequency Model Parameters (750 MHz – 78 GHz)

|                     | Sensor X | Sensor Y |
|---------------------|----------|----------|
| R (Ω)               | 45.50    | 43.92    |
| $R_{p}(\Omega)$     | 93.06    | 91.09    |
| L (nH)              | 0.04584  | 0.04190  |
| C (pF)              | 0.2296   | 0.2627   |
| C <sub>p</sub> (pF) | 0.1145   | 0.1215   |

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

|                     | Sensor X | Sensor Y |
|---------------------|----------|----------|
| R (Ω)               | 30.09    | 28.59    |
| $R_{p}(\Omega)$     | 98.78    | 96.57    |
| L (nH)              | 0.03926  | 0.03958  |
| C (pF)              | 0.1564   | 0.1547   |
| C <sub>p</sub> (pF) | 0.1143   | 0.1181   |

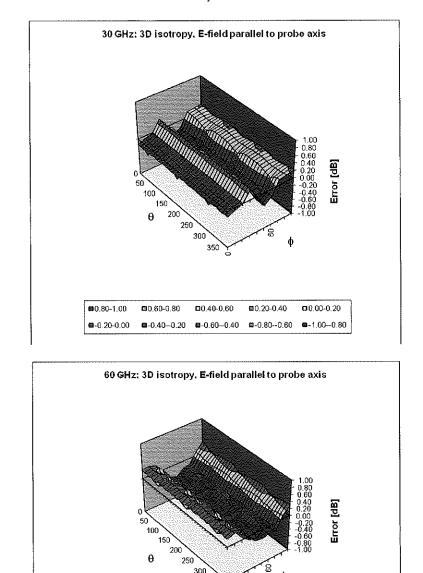
# DASY - Parameters of Probe: EUmmWV4 - SN:9523

#### Sensor Model Parameters

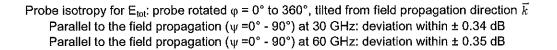
|   | C1<br>fF | C2<br>fF | α<br>V <sup>-1</sup> | T1<br>ms.V <sup>-2</sup> | T2<br>ms.V⁻¹ | T3<br>ms | T4<br>V <sup>-2</sup> | T5<br>V <sup>-1</sup> | Т6   |
|---|----------|----------|----------------------|--------------------------|--------------|----------|-----------------------|-----------------------|------|
| Х | 48.9     | 353.81   | 33.55                | 0.92                     | 4.75         | 4.98     | 0.00                  | 1.44                  | 1.00 |
| Y | 52.2     | 378.74   | 33.81                | 0.92                     | 5.36         | 4.99     | 0.00                  | 1.72                  | 1.00 |

#### **Other Probe Parameters**

| Sensor Arrangement                      | Rectangular |
|---|-------------|
| Connector Angle (°)                     | -71.2       |
| Mechanical Surface Detection Mode       | enabled     |
| Optical Surface Detection Mode          | disabled    |
| Probe Overall Length                    | 320 mm      |
| Probe Body Diameter                     | 8 mm        |
| Tip Length                              | 23 mm       |
| Tip Diameter                            | 8.0 mm      |
| Probe Tip to Sensor X Calibration Point | 1.5 mm      |
| Probe Tip to Sensor Y Calibration Point | 1.5 mm      |



#### Deviation from Isotropy in Air f = 30, 60 GHz



**a**0,40-0.60

0.20-0.40

⊠-0.40--0.20 ⊠-0.60--0.40 @-0.80--0.60 ≅-1.00--0.80

0.00-0.20

**@0.80-1.00** 

■-0.20-0.00

₫0.60-0.80

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

| UID   | Rev | Communication System Name                           | Group     | PAR<br>(dB) | Unc <sup>⊧</sup><br>(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 %                   |
| 10012 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)            | WLAN      | 1.87        | ± 9.6 %                   |
| 10013 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)       | WLAN      | 9.46        | ± 9.6 %                   |
| 10021 | DAC | GSM-FDD (TDMA, GMSK)                                | GSM       | 9.39        | ± 9.6 %                   |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0)                         | GSM       | 9.57        | ± 9.6 %                   |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1)                       | GSM       | 6.56        | ± 9.6 %                   |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0)                         | GSM       | 12.62       | ± 9.6 %                   |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1)                       | GSM       | 9.55        | ± 9.6 %                   |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2)                     | GSM       | 4.80        | ± 9.6 %                   |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)                   | GSM       | 3.55        | ±9.6%                     |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2)                     | GSM       | 7.78        | ± 9.6 %                   |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1)                 | Bluetooth | 5.30        | ± 9.6 %                   |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3)                 | Bluetooth | 1.87        | ± 9.6 %                   |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5)                 | Bluetooth | 1.16        | ± 9.6 %                   |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)           | Bluetooth | 7.74        | ± 9.6 %                   |
| 10034 |     | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)           | Bluetooth | 4.53        | ± 9.6 %                   |
| 10035 |     | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)           | Bluetooth | 3.83        | ± 9.6 %                   |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1)               | Bluetooth | 8.01        | ± 9.6 %                   |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3)               | Bluetooth | 4.77        | ± 9.6 %                   |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5)               | Bluetooth | 4.10        | $\pm 9.6\%$               |
|       | CAA | CDMA2000 (1xRTT, RC1)                               | CDMA2000  |             |                           |
| 10039 | CAB |   |           | 4.57        | ± 9.6 %                   |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS      | 7.78        | ± 9.6 %                   |
| 10044 |     | IS-91/EIA/TIA-553 FDD (FDMA, FM)                    | AMPS      | 0.00        | ± 9.6 %                   |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)           | DECT      | 13.80       | ± 9.6 %                   |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)         | DECT      | 10.79       | ± 9.6 %                   |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps)                      | TD-SCDMA  | 11.01       | ±9.6 %                    |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)                   | GSM       | 6.52        | ± 9.6 %                   |
| 10059 | CAB | IEEE 802.11b 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 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)            | WLAN      | 8.68        | ± 9.6 %                   |
| 10063 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)            | WLAN      | 8.63        | ± 9.6 %                   |
| 10064 | CAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps)           | WLAN      | 9.09        | ± 9.6 %                   |
| 10065 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)           | WLAN      | 9.00        | ± 9.6 %                   |
| 10066 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)           | WLAN      | 9.38        | ± 9.6 %                   |
| 10067 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)           | WLAN      | 10.12       | ± 9.6 %                   |
| 10068 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)           | WLAN      | 10.24       | ± 9.6 %                   |
| 10069 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)           | WLAN      | 10.56       | ± 9.6 %                   |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)       | WLAN      | 9.83        | ± 9.6 %                   |
| 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 |     | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS      | 4.77        | ± 9.6 %                   |
| 10092 | CAB | GPRS-FDD (TDMA, GMSK, TN 0-4)                       | GSM       | 6.56        | ± 9.6 %                   |
| 10090 | DAC | UMTS-FDD (HSDPA)                                    | WCDMA     | 3.98        | ± 9.6 %                   |
| 10097 | DAC | UMTS-FDD (HSUPA, Subtest 2)                         | WCDMA     | 3.96        | ± 9.6 %                   |

| 10099 | CAC | EDGE-FDD (TDMA, 8PSK, TN 0-4)                  | GSM     | 9.55  | ± 9.6 % |
|-------|-----|--|---------|-------|---------|
| 10100 | CAC | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)       | LTE-FDD | 5.67  | ±9.6%   |
| 10101 | CAB | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)     | LTE-FDD | 6.42  | ± 9.6 % |
| 10102 | CAB | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)     | LTE-FDD | 6.60  | ±9.6 %  |
| 10102 | DAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)       | LTE-TDD | 9.29  | ±9.6%   |
| 10104 |     | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)     | LTE-TDD | 9.97  | ± 9.6 % |
| 10104 | CAE | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)     | LTE-TDD | 10.01 | ± 9.6 % |
| 10103 | CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)       | LTE-FDD | 5.80  | ± 9.6 % |
| 10108 | CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)     | LTE-FDD | 6.43  | ± 9.6 % |
| 10109 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 10-000)      | LTE-FDD | 5.75  | ± 9.6 % |
|       | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)      | LTE-FDD | 6.44  | ± 9.6 % |
| 10111 | CAG |  | LTE-FDD | 6.59  | ± 9.6 % |
| 10112 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)     | LTE-FDD | 6.62  | ± 9.6 % |
| 10113 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)      |         |       |         |
| 10114 | CAG | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)  | WLAN    | 8.10  | ± 9.6 % |
| 10115 | CAG | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)  | WLAN    | 8.46  | ± 9.6 % |
| 10116 | CAG | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN    | 8.15  | ± 9.6 % |
| 10117 | CAG | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)       | WLAN    | 8.07  | ±9.6%   |
| 10118 | CAD | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)       | WLAN    | 8.59  | ± 9.6 % |
| 10119 | CAD | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)      | WLAN    | 8.13  | ± 9.6 % |
| 10140 | CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)     | LTE-FDD | 6.49  | ± 9.6 % |
| 10141 | CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)     | LTE-FDD | 6.53  | ± 9.6 % |
| 10142 | CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)        | LTE-FDD | 5.73  | ± 9.6 % |
| 10143 | CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)      | LTE-FDD | 6.35  | ± 9.6 % |
| 10144 | CAC | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)      | LTE-FDD | 6.65  | ± 9.6 % |
| 10145 | CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)      | LTE-FDD | 5.76  | ± 9.6 % |
| 10146 | CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)    | LTE-FDD | 6.41  | ± 9.6 % |
| 10147 | CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)    | LTE-FDD | 6.72  | ± 9.6 % |
| 10149 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)      | LTE-FDD | 6.42  | ± 9.6 % |
| 10150 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)      | LTE-FDD | 6.60  | ± 9.6 % |
| 10151 | CAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)        | LTE-TDD | 9.28  | ± 9.6 % |
| 10152 | CAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)      | LTE-TDD | 9.92  | ± 9.6 % |
| 10153 | CAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)      | LTE-TDD | 10.05 | ± 9.6 % |
| 10154 | CAF | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)        | LTE-FDD | 5.75  | ± 9.6 % |
| 10155 | CAF | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)      | LTE-FDD | 6.43  | ± 9.6 % |
| 10156 | CAF | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         | LTE-FDD | 5.79  | ± 9.6 % |
| 10157 | CAE | LTE-FDD (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 % |
| 10161 | CAG | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)      | LTE-FDD | 6.43  | ± 9.6 % |
| 10162 | CAG | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)      | LTE-FDD | 6.58  | ± 9.6 % |
| 10166 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)       | LTE-FDD | 5.46  | ± 9.6 % |
| 10167 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)     | LTE-FDD | 6.21  | ± 9.6 % |
| 10168 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)     | LTE-FDD | 6.79  | ± 9.6 % |
| 10169 | CAG | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)          | LTE-FDD | 5.73  | ± 9.6 % |
| 10109 |     | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)        | LTE-FDD | 6.52  | ± 9.6 % |
| 10170 | CAG | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 10-QAM)        | LTE-FDD | 6.49  | ± 9.6 % |
| 10171 | CAE | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)          | LTE-TDD | 9.21  | ± 9.6 % |
| 10172 | CAE | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)        | LTE-TDD | 9.48  | ± 9.6 % |
| 10173 | CAE | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 10-QAM)        | LTE-TDD | 10.25 | ± 9.6 % |
|       | CAF | •  | LTE-FDD | 5.72  | ± 9.6 % |
| 10175 | CAF | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)          | LTE-FDD | 6.52  | ± 9.6 % |
| 10176 | CAF | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)        |         |       | -       |
| 10177 | CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)           | LTE-FDD | 5.73  | ± 9.6 % |
| 10178 | CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         | LTE-FDD | 6.52  | ± 9.6 % |
| 10179 | AAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)        | LTE-FDD | 6.50  | ± 9.6 % |
| 10180 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         | LTE-FDD | 6.50  | ± 9.6 % |

| 10181 |            | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         | LTE-FDD | 5.72  | ± 9.6 % |
|-------|------------|---|---------|-------|---------|
| 10181 | CAG        | LTE-FDD (SC-FDMA, T RB, 15 MHz, 0F5K)         | LTE-FDD | 6.52  | ± 9.6 % |
| 10182 | CAG        | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 10 QAM)       | LTE-FDD | 6.50  | ± 9.6 % |
| 10183 | CAG        | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)          | LTE-FDD | 5.73  | ± 9.6 % |
| 10185 | CAG        | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)        | LTE-FDD | 6.51  | ± 9.6 % |
| 10185 | CAI        | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)        | LTE-FDD | 6.50  | ± 9.6 % |
| 10180 | CAG        | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)        | LTE-FDD | 5.73  | ± 9.6 % |
| 10187 | CAG        | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)      | LTE-FDD | 6.52  | ± 9.6 % |
| 10189 | CAG        | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)      | LTE-FDD | 6.50  | ± 9.6 % |
| 10193 | CAE<br>CAE | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)  | WLAN    | 8.09  | ± 9.6 % |
| 10193 |            | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | WLAN    | 8.12  | ± 9.6 % |
| 10194 | AAD        | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | WLAN    | 8.21  | ± 9.6 % |
| 10196 |            | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)       | WLAN    | 8.10  | ± 9.6 % |
| 10190 | CAE<br>AAE | IEEE 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 %  |
| 10100 | CAF        | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)       | WLAN    | 8.03  | ± 9.6 % |
| 10210 | AAF        | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)    | WLAN    | 8.13  | ± 9.6 % |
| 10221 |            | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)    | WLAN    | 8.27  | ± 9.6 % |
| 10221 | CAC        | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)        | WLAN    | 8.06  | ± 9.6 % |
| 10223 |            | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)      | WLAN    | 8.48  | ±9.6 %  |
| 10223 | CAD<br>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-TDD | 9.49  | ± 9.6 % |
| 10227 | CAD        | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)      | LTE-TDD | 10.26 | ±9.6 %  |
| 10228 | CAD        | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)        | LTE-TDD | 9.22  | ± 9.6 % |
| 10229 | DAC        | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)        | LTE-TDD | 9.48  | ± 9.6 % |
| 10230 | CAC        | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)        | LTE-TDD | 10.25 | ± 9.6 % |
| 10231 | CAC        | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)          | LTE-TDD | 9.19  | ± 9.6 % |
| 10232 | CAD        | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)        | LTE-TDD | 9.48  | ±9.6%   |
| 10233 | CAD        | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)        | LTE-TDD | 10.25 | ± 9.6 % |
| 10234 | CAD        | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)          | LTE-TDD | 9.21  | ± 9.6 % |
| 10235 | CAD        | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)       | LTE-TDD | 9.48  | ±9.6%   |
| 10236 | CAD        | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)       | LTE-TDD | 10.25 | ±9.6%   |
| 10237 | CAD        | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         | LTE-TDD | 9.21  | ± 9.6 % |
| 10238 | CAB        | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)       | LTE-TDD | 9.48  | ± 9.6 % |
| 10239 | CAB        | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)       | LTE-TDD | 10.25 | ± 9.6 % |
| 10240 | CAB        | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         | LTE-TDD | 9.21  | ± 9.6 % |
| 10241 | CAB        | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)    | LTE-TDD | 9.82  | ± 9.6 % |
| 10242 | CAD        | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)    | LTE-TDD | 9.86  | ± 9.6 % |
| 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-TDD | 10.06 | ± 9.6 % |
| 10245 | CAG        | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)      | LTE-TDD | 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  | ± 9.6 % |
| 10248 | CAG        | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)      | LTE-TDD | 10.09 | ± 9.6 % |
| 10249 | CAG        | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)        | LTE-TDD | 9.29  | ± 9.6 % |
| 10250 | CAG        | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)     | LTE-TDD | 9.81  | ± 9.6 % |
| 10251 | CAF        | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)     | LTE-TDD | 10.17 | ± 9.6 % |
| 10252 | CAF        | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)       | LTE-TDD | 9.24  | ± 9.6 % |
| 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 % |
| 10258 | CAD        | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)     | LTE-TDD | 9.34  | ± 9.6 % |
| 10259 | CAD        | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)     | LTE-TDD | 9.98  | ± 9.6 % |

| 10000 |            | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)                 | LTE-TDD  | 9.97  | ± 9.6 %     |
|-------|------------|---|----------|-------|-------------|
| 10260 | CAG        | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)                   | LTE-TDD  | 9.24  | ± 9.6 %     |
| 10261 | CAG        | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 4F 3R)                  | LTE-TDD  | 9.83  | ± 9.6 %     |
| 10262 | CAG        |   | LTE-TDD  | 10.16 | ± 9.6 %     |
| 10263 | CAG        | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)                 | LTE-TDD  | 9.23  | ± 9.6 %     |
| 10264 | CAG        | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)                   | LTE-TDD  | 9.92  | ± 9.6 %     |
| 10265 | CAG        | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)                |          |       |             |
| 10266 | CAF        | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)                | LTE-TDD  | 10.07 | ± 9.6 %     |
| 10267 | CAF        | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)                  | LTE-TDD  | 9.30  | ± 9.6 %     |
| 10268 | CAF        | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)                | LTE-TDD  | 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 0.38)                       | PHS      | 12.18 | ±9.6%       |
| 10290 | CAG        | CDMA2000, RC1, SO55, 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 | CAF        | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                   | LTE-FDD  | 5.81  | ± 9.6 %     |
| 10298 | CAF        | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                    | LTE-FDD  | 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 | CAC        | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL) | WIMAX    | 12.57 | ±9.6 %      |
| 10302 |            | IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)       | WIMAX    | 12.52 | ± 9.6 %     |
| 10304 | CAB        | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)       | WIMAX    | 11.86 | ± 9.6 %     |
| 10304 | 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 %     |
| 10300 | CAA        | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC)       | WIMAX    | 14.49 | ± 9.6 %     |
| 10307 | AAB        | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)      | WIMAX    | 14.46 | ± 9.6 %     |
|       | AAB        | IEEE 802.16e WIMAX (29.18, 10ms, 10MHz, 16QAM, 1 000)     | WIMAX    | 14.58 | ± 9.6 %     |
| 10309 | AAB        | IEEE 802.16e WIMAX (29.18, 10ms, 10MHz, 1002AW, AMC 2x3)  | WIMAX    | 14.57 | ± 9.6 %     |
| 10310 | AAB        |   | LTE-FDD  | 6.06  | $\pm 9.6\%$ |
| 10311 | AAB        | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                  | IDEN     |       | $\pm 9.6\%$ |
| 10313 | AAD        | IDEN 1:3  |          | 10.51 |             |
| 10314 | AAD        |   |          | 13.48 | ± 9.6 %     |
| 10315 | AAD        | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)         | WLAN     | 1.71  | ± 9.6 %     |
| 10316 | AAD        | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)     | WLAN     | 8.36  | ± 9.6 %     |
| 10317 | AAA        | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)           | WLAN     | 8.36  | ± 9.6 %     |
| 10352 | AAA        | Pulse Waveform (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  | ± 9.6 %     |
| 10399 | AAA        | 64-QAM Waveform, 40 MHz                                   | Generic  | 6.27  | ± 9.6 %     |
| 10400 | AAD        | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)               | WLAN     | 8.37  | ± 9.6 %     |
| 10401 | AAA        | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)               | WLAN     | 8.60  | ± 9.6 %     |
| 10402 | AAA        | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)               | WLAN     | 8.53  | ± 9.6 %     |
|       |            | CDMA2000 (1xEV-DO, Rev. 0)                                | CDMA2000 | 3.76  | ± 9.6 %     |
| 10403 | AAB        |   |          | 0.10  | # 0.0 /0    |
| [     | AAB<br>AAB | CDMA2000 (1XEV-DO, Rev. A)                                | CDMA2000 | 3.77  | ± 9.6 %     |

| 10410 | AAA | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)  | LTE-TDD  | 7.82  | ± 9.6 %     |
|-------|-----|--|----------|-------|-------------|
| 10414 | AAA | WLAN CCDF, 64-QAM, 40MHz                                   | Generic  | 8.54  | ± 9.6 %     |
| 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 | AAA | 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 |     | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) | WLAN     | 8,19  | ± 9.6 %     |
| 10422 | AAA | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)               | WLAN     | 8.32  | ± 9.6 %     |
| 10423 | AAA | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)            | WLAN     | 8.47  | ± 9.6 %     |
| 10424 | AAA | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)            | WLAN     | 8.40  | ± 9.6 %     |
| 10425 |     | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                | WLAN     | 8.41  | ±9.6%       |
| 10426 | AAE | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)              | WLAN     | 8.45  | ± 9.6 %     |
| 10427 | AAE | IEEE 802.11n (HT Greenfield, 150 Mbps, 10-QrMi)            | WLAN     | 8.41  | ± 9.6 %     |
| 10427 | AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                           | LTE-FDD  | 8.28  | ± 9.6 %     |
| 10430 | AAB | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                          | LTE-FDD  | 8.38  | ± 9.6 %     |
|       | AAC |  | LTE-FDD  | 8.34  | ± 9.6 %     |
| 10432 | AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                          |          | 1     |             |
| 10433 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                          | LTE-FDD  | 8.34  | $\pm 9.6\%$ |
| 10434 | AAG | W-CDMA (BS Test Model 1, 64 DPCH)                          |          | 8.60  | $\pm 9.6\%$ |
| 10435 | AAA | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)              | LTE-TDD  | 7.82  | ± 9.6 %     |
| 10447 | AAA | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)             | LTE-FDD  | 7.56  | ±96%        |
| 10448 | AAA | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)             | LTE-FDD  | 7.53  | ± 9.6 %     |
| 10449 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)             | LTE-FDD  | 7.51  | ± 9.6 %     |
| 10450 | AAA | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)            | LTE-FDD  | 7.48  | ± 9.6 %     |
| 10451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)            | WCDMA    | 7.59  | ± 9.6 %     |
| 10453 | AAC | Validation (Square, 10ms, 1ms)                             | Test     | 10.00 | ± 9.6 %     |
| 10456 | AAC | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)               | WLAN     | 8.63  | ± 9.6 %     |
| 10457 | AAC | UMTS-FDD (DC-HSDPA)  | WCDMA    | 6.62  | ± 9.6 %     |
| 10458 | AAC | CDMA2000 (1xEV-DO, Rev. B, 2 carriers)                     | CDMA2000 | 6.55  | ± 9.6 %     |
| 10459 | AAC | CDMA2000 (1xEV-DO, Rev. B, 3 carriers)                     | CDMA2000 | 8.25  | ± 9.6 %     |
| 10460 | 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-TDD  | 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  | ± 9.6 %     |
| 10466 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)             | LTE-TDD  | 8.57  | ± 9.6 %     |
| 10467 | AAA | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)               | LTE-TDD  | 7.82  | ± 9.6 %     |
| 10468 | 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-TDD  | 8.56  | ± 9.6 %     |
| 10470 | AAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)              | LTE-TDD  | 7.82  | ± 9.6 %     |
| 10471 | AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)            | LTE-TDD  | 8.32  | ± 9.6 %     |
| 10472 | AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)            | LTE-TDD  | 8.57  | ± 9.6 %     |
| 10473 | AAA | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)              | LTE-TDD  | 7.82  | ± 9.6 %     |
| 10474 | AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)            | LTE-TDD  | 8.32  | ± 9.6 %     |
| 10475 | AAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)            | LTE-TDD  | 8.57  | ± 9.6 %     |
| 10477 | AAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)            | LTE-TDD  | 8.32  | ± 9.6 %     |
| 10478 | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)            | LTE-TDD  | 8.57  | ± 9.6 %     |
| 10479 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)           | LTE-TDD  | 7.74  | ± 9.6 %     |
| 10479 |     | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, GC SR, 02 Sub)          | LTE-TDD  | 8.18  | ± 9.6 %     |
| 10480 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 10-QAM, UL Sub)         | LTE-TDD  | 8.45  | ± 9.6 %     |
| 10481 | AAA |  | LTE-TDD  |       | ± 9.6 %     |
|       | AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)             |          | 7.71  |             |
| 10483 | AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)              | LTE-TDD  | 8.39  | ± 9.6 %     |
| 10484 | AAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)           | LTE-TDD  | 8.47  | ± 9.6 %     |
| 10485 | AAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)             | LTE-TDD  | 7.59  | ± 9.6 %     |
| 10486 | AAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)           | LTE-TDD  | 8.38  | ± 9.6 %     |
| 10487 | AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)           | LTE-TDD  | 8.60  | ± 9.6 %     |

| 10488 | AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)     | LTE-TDD | 7.70 | ± 9.6 % |
|-------|-----|---|---------|------|---------|
| 10489 | AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.31 | ± 9.6 % |
| 10490 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.54 | ± 9.6 % |
| 10491 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)     | LTE-TDD | 7.74 | ± 9.6 % |
| 10492 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.41 | ± 9.6 % |
| 10493 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.55 | ± 9.6 % |
| 10494 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)     | LTE-TDD | 7.74 | ± 9.6 % |
| 10495 |     | 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-TDD | 8.54 | ± 9.6 % |
| 10490 | AAE | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)   | LTE-TDD | 7.67 | ±9.6 %  |
| 10498 | AAE | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.40 | ± 9.6 % |
| 10498 | AAE | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 10-GAM, UL Sub) | LTE-TDD | 8.68 | ± 9.6 % |
|       | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)     | LTE-TDD | 7.67 | ± 9.6 % |
| 10500 | AAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 04 SN, 02 Sub)    | LTE-TDD | 8,44 | ± 9.6 % |
| 10501 | AAF |   | LTE-TDD | 8.52 | ± 9.6 % |
| 10502 | AAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)   |         |      |         |
| 10503 | AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)     | LTE-TDD | 7.72 | ± 9.6 % |
| 10504 | AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.31 | ± 9.6 % |
| 10505 | AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.54 | ± 9.6 % |
| 10506 | AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)    | LTE-TDD | 7.74 | ±9.6%   |
| 10507 | AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)  | LTE-TDD | 8.36 | ± 9.6 % |
| 10508 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)  | LTE-TDD | 8.55 | ± 9.6 % |
| 10509 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)    | LTE-TDD | 7.99 | ± 9.6 % |
| 10510 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)  | LTE-TDD | 8.49 | ± 9.6 % |
| 10511 | AAF | LTE-TDD (SC-FDMA, 100% RB, 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 | IEEE 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 5 GHz (OFDM, 18 Mbps, 99pc dc)  | WLAN    | 8.12 | ± 9.6 % |
| 10521 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)  | 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 | AAF | 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 | AAE | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)           | WLAN    | 8.32 | ± 9.6 % |
| 10537 |     | IEEE 802.11ac WiFI (40MHz, MCS3, 99pc dc)           | WLAN    | 8.44 | ± 9.6 % |
| 10538 |     | IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)           | WLAN    | 8.54 | ± 9.6 % |
| 10538 | AAF | IEEE 802.11ac WiFI (40MHz, MCS6, 99pc dc)           | WLAN    | 8.39 | ± 9.6 % |
| 10540 | AAA | IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)           | WLAN    | 8.46 | ± 9.6 % |
| 10541 | AAA | IEEE 802.11ac WiFi (40MHz, MCS7, 39pc dc)           | WLAN    | 8.65 | ± 9.6 % |
|       | AAA | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)           | WLAN    | 8.65 | ± 9.6 % |
| 10543 | AAC |   | WLAN    |      |         |
| 10544 | AAC | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)           | WLAN    | 8.47 | ± 9.6 % |
| 10545 | AAC | IEEE 802.11ac WIFI (80MHz, MCS1, 99pc dc)           | VVL/413 | 8.55 | ± 9.6 % |

| 10540          |     | IEEE 902 1100 MIEI (80MHz MCC2 0000 da)  | WLAN | 8.35 | ± 9.6 % |
|----------------|-----|--|------|------|---------|
| 10546<br>10547 | AAC | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)<br>IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc) | WLAN | 8.49 | ± 9.6 % |
|                | AAC | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)  | WLAN | 8.37 | ± 9.6 % |
| 10548          | AAC |  | WLAN | 8.38 | ± 9.6 % |
| 10550          | AAC | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)  | WLAN | 8.50 | ± 9.6 % |
| 10551          | AAC | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)  | WLAN | 8.42 | ± 9.6 % |
| 10552          | AAC | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)  |      |      | ± 9.6 % |
| 10553          | AAC | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)  | WLAN | 8.45 |         |
| 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 WiFi (160MHz, MCS6, 99pc dc)   | WLAN | 8.73 | ± 9.6 % |
| 10561          | AAC | IEEE 802.11ac WiFi (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%   |
| 10564          | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)                                 | WLAN | 8.25 | ± 9.6 % |
| 10565          | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)                                | WLAN | 8.45 | ± 9.6 % |
| 10566          | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)                                | WLAN | 8.13 | ±9.6%   |
| 10567          | AAC | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)                                | WLAN | 8.00 | ±9.6 %  |
| 10568          | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)                                | WLAN | 8.37 | ± 9.6 % |
| 10569          | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)                                | WLAN | 8.10 | ± 9.6 % |
| 10570          | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)                                | WLAN | 8.30 | ± 9.6 % |
| 10571          | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)                                      | WLAN | 1.99 | ± 9.6 % |
| 10572          | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)                                      | WLAN | 1.99 | ± 9.6 % |
| 10573          | AAC | IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)                                    | WLAN | 1.98 | ±9.6%   |
| 10574          | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)                                     | WLAN | 1.98 | ± 9.6 % |
| 10575          | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)                                 | WLAN | 8.59 | ± 9.6 % |
| 10576          | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)                                 | WLAN | 8.60 | ± 9.6 % |
| 10577          | AAC | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)                                | WLAN | 8.70 | ± 9.6 % |
| 10578          | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)                                | WLAN | 8.49 | ± 9.6 % |
| 10579          | AAD | 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 dc)                                | WLAN | 8.35 | ± 9.6 % |
| 10582          | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)                                | WLAN | 8.67 | ± 9.6 % |
| 10583          | AAD | IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps, 90pc dc)                                      | WLAN | 8.59 | ± 9.6 % |
| 10584          | AAD | IEEE 802.11a/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          | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)                                     | WLAN | 8.36 | ± 9.6 % |
| 10588          |     | 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          |     | 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 % |
| 10591          | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)  | WLAN | 8.79 | ± 9.6 % |
| 10592          | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)  | WLAN | 8.64 | ± 9.6 % |
| 10593          | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)  | WLAN | 8.74 | ± 9.6 % |
| 10594          | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)  | WLAN | 8.74 | ± 9.6 % |
| 10595          | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)  | WLAN | 8.74 | ± 9.6 % |
| 10596          |     | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)  | WLAN | 8.71 | ± 9.6 % |
|                | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)  | WLAN | 8.72 | ± 9.6 % |
| 10598          | AAA |  | WLAN |      |         |
| 10599          | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)  |      | 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 % |

| 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%   |
| 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 |     | 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 % |
|       | AAC | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)         | WLAN      | 8.58  | ±9.6%   |
| 10618 | AAC | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)         | WLAN      | 8.86  | ±9.6%   |
| 10619 | AAC | IEEE 802.11ac WiFi (40MHz, MCS3, 50pc dc)         | WLAN      | 8.87  | ± 9.6 % |
| 10620 | AAC |   | WLAN      | 8.77  | ± 9.6 % |
| 10621 | AAC | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)         | WLAN      |       | ± 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      |       |         |
| 10624 | AAC | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)         |           | 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 802.11ac 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 | AAC | 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 WiFi (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 | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)        | WLAN      | 9.05  | ± 9.6 % |
| 10645 | AAC | IEEE 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 | ± 9.6 % |
| 10648 | AAC | CDMA2000 (1x Advanced)                            | CDMA2000  | 3.45  | ± 9.6 % |
| 10652 | AAC | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)    | LTE-TDD   | 6.91  | ± 9.6 % |
| 10653 | AAC | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)   | LTE-TDD   | 7.42  | ± 9.6 % |
| 10654 | AAC | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)   | LTE-TDD   | 6.96  | ± 9.6 % |
| 10655 | AAC | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   | LTE-TDD   | 7.21  | ± 9.6 % |
| 10658 | AAC | Pulse Waveform (200Hz, 10%)                       | Test      | 10.00 | ± 9.6 % |
| 10659 | AAC | Pulse Waveform (200Hz, 20%)                       | Test      | 6.99  | ± 9.6 % |
| 10660 | AAC | Pulse Waveform (200Hz, 40%)                       | Test      | 3.98  | ± 9.6 % |
| 10661 | AAC | Pulse Waveform (200Hz, 60%)                       | Test      | 2.22  | ± 9.6 % |
| 10662 | AAC | Pulse Waveform (200Hz, 80%)                       | Test      | 0.97  | ± 9.6 % |
| 10670 | AAC | Bluetooth Low Energy                              | Bluetooth | 2.19  | ± 9.6 % |
| 10670 | AAD | IEEE 802.11ax (20MHz, MCS0, 90pc dc)              | WLAN      | 9.09  | ± 9.6 % |

| 10672 | AAD | IEEE 802.11ax (20MHz, MCS1, 90pc dc)  | WLAN         | 8.57 | ± 9.6 %            |
|-------|-----|---------------------------------------|--------------|------|--------------------|
| 10673 | AAD | IEEE 802.11ax (20MHz, MCS2, 90pc dc)  | WLAN         | 8.78 | ± 9.6 %            |
| 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 %            |
| 10677 |     | IEEE 802.11ax (20MHz, MCS6, 90pc dc)  | WLAN         | 8.73 | ± 9.6 %            |
| 10678 | AAD | IEEE 802.11ax (20MHz, MCS7, 90pc dc)  | WLAN         | 8.78 | ± 9.6 %            |
| 10679 | AAD | IEEE 802.11ax (20MHz, MC88, 90pc dc)  | WLAN         | 8.89 | ±9.6%              |
| 10680 | AAD | IEEE 802.11ax (20MHz, MCS9, 90pc dc)  | WLAN         | 8.80 | ± 9.6 %            |
| 10680 | AAD | IEEE 802.11ax (20MHz, MCS0, 90pc dc)  | WLAN         | 8.62 | ± 9.6 %            |
|       | AAG | IEEE 802.11ax (20MHz, MCS10, 90pc dc) | WLAN         | 8.83 | ± 9.6 %            |
| 10682 | AAF | IEEE 802.11ax (20MHz, MCS1, 90pc dc)  | WLAN         | 8.42 | ± 9.6 %            |
| 10683 | AAA | IEEE 802.11ax (20MHz, MCS0, 99pc dc)  | WLAN         | 8.26 | ±9.6%              |
| 10684 | AAC | •                                     | WLAN         | 8.33 | ± 9.6 %            |
| 10685 | AAC | IEEE 802.11ax (20MHz, MCS2, 99pc dc)  | WLAN         | 8.28 | ± 9.6 %            |
| 10686 | AAC | IEEE 802.11ax (20MHz, MCS3, 99pc dc)  | WLAN         | 8.45 | ± 9.6 %            |
| 10687 | AAE | IEEE 802.11ax (20MHz, MCS4, 99pc dc)  | WLAN         | 8.29 | $\pm 9.6\%$        |
| 10688 | AAE | IEEE 802.11ax (20MHz, MCS5, 99pc dc)  |              |      |                    |
| 10689 | AAD | IEEE 802.11ax (20MHz, MCS6, 99pc dc)  | WLAN MILAN   | 8.55 | $\pm 9.6\%$        |
| 10690 | AAE | IEEE 802.11ax (20MHz, MCS7, 99pc dc)  | WLAN<br>WLAN | 8.29 | ± 9.6 %<br>± 9.6 % |
| 10691 | AAB | IEEE 802.11ax (20MHz, MCS8, 99pc dc)  |              | 8.25 |                    |
| 10692 | AAA | IEEE 802.11ax (20MHz, MCS9, 99pc dc)  | WLAN         | 8.29 | ± 9.6 %            |
| 10693 | AAA | IEEE 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 | IEEE 802.11ax (40MHz, MCS1, 90pc dc)  | WLAN         | 8.91 | ± 9.6 %            |
| 10697 | AAA | IEEE 802.11ax (40MHz, MCS2, 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 dc) | WLAN         | 8.24 | ± 9.6 %            |
| 10719 | AAC | IEEE 802.11ax (80MHz, MCS0, 90pc dc)  | WLAN         | 8.81 | ± 9.6 %            |
| 10720 | AAC | IEEE 802.11ax (80MHz, MCS1, 90pc dc)  | WLAN         | 8.87 | ± 9.6 %            |
| 10721 | AAC | IEEE 802.11ax (80MHz, MCS2, 90pc dc)  | WLAN         | 8.76 | ± 9.6 %            |
| 10722 | AAC | IEEE 802.11ax (80MHz, MCS3, 90pc dc)  | WLAN         | 8.55 | ± 9.6 %            |
| 10723 | AAC | IEEE 802.11ax (80MHz, MCS4, 90pc dc)  | WLAN         | 8.70 | ± 9.6 %            |
| 10724 | AAC | IEEE 802.11ax (80MHz, MCS5, 90pc dc)  | WLAN         | 8.90 | ± 9.6 %            |
| 10725 | AAC | IEEE 802.11ax (80MHz, MCS6, 90pc dc)  | WLAN         | 8.74 | ± 9.6 %            |
| 10726 | AAC | IEEE 802.11ax (80MHz, MCS7, 90pc dc)  | WLAN         | 8.72 | ± 9.6 %            |
|       | 1   | IEEE 802.11ax (80MHz, MCS8, 90pc dc)  | 1            |      | 1                  |

| DAL     DAL     IEEE 802.11ax (80MHz, MCS10, 90pc.dc)     WLAN     8.64     ± 9.6       10730     AAC     IEEE 802.11ax (80MHz, MCS11, 90pc.dc)     WLAN     8.42     ± 9.6       10731     AAC     IEEE 802.11ax (80MHz, MCS1, 90pc.dc)     WLAN     8.44     ± 9.6       10732     AAC     IEEE 802.11ax (80MHz, MCS3, 90pc.dc)     WLAN     8.44     ± 9.6       10733     AAC     IEEE 802.11ax (80MHz, MCS3, 90pc.dc)     WLAN     8.25     ± 9.6       10734     AAC     IEEE 802.11ax (80MHz, MCS3, 90pc.dc)     WLAN     8.23     ± 9.6       10735     AAC     IEEE 802.11ax (80MHz, MCS5, 90pc.dc)     WLAN     8.22     ± 9.6       10736     AAC     IEEE 802.11ax (80MHz, MCS6, 90pc.dc)     WLAN     8.42     ± 9.6       10737     AAC     IEEE 802.11ax (80MHz, MCS10, 90pc.dc)     WLAN     8.42     ± 9.6       10738     AAC     IEEE 802.11ax (80MHz, MCS10, 90pc.dc)     WLAN     8.43     ± 9.6       10744     AAC     IEEE 802.11ax (80MHz, MCS10, 90pc.dc)     WLAN     8.44     ± 9.6   | 10728               | 440 | IEEE 802.11ax (80MHz, MCS9, 90pc dc)        | WLAN          | 8.65 | ± 9.6 % |
|---|---------------------|-----|---|---------------|------|---------|
| AAC     IEEE 802.11ax (80MHz, MCS11, 30pc dc)     WLAN     8.67     4 9.6       10730     AAC     IEEE 802.11ax (80MHz, MCS1, 99pc dc)     WLAN     8.46     4.9.6       10731     AAC     IEEE 802.11ax (80MHz, MCS2, 99pc dc)     WLAN     8.44     4.9.6       10732     AAC     IEEE 802.11ax (80MHz, MCS2, 99pc dc)     WLAN     8.24     4.9.6       10734     AAC     IEEE 802.11ax (80MHz, MCS3, 99pc dc)     WLAN     8.25     4.9.6       10736     AAC     IEEE 802.11ax (80MHz, MCS6, 69pc dc)     WLAN     8.36     4.9.6       10737     AAC     IEEE 802.11ax (80MHz, MCS6, 69pc dc)     WLAN     8.36     4.9.6       10738     AAC     IEEE 802.11ax (80MHz, MCS6, 99pc dc)     WLAN     8.42     ± 9.6       10744     AAC     IEEE 802.11ax (80MHz, MCS11, 99pc dc)     WLAN     8.44     ± 9.6       10744     AAC     IEEE 802.11ax (80MHz, MCS11, 99pc dc)     WLAN     8.43     ± 9.0       10744     AAC     IEEE 802.11ax (80MHz, MCS11, 99pc dc)     WLAN     8.94     ± 9.0       10744  |                     | AAC |   |               |      | ± 9.6 % |
| Intelline     Intelline <t< td=""><td></td><td></td><td></td><td></td><td></td><td>± 9.6 %</td></t<>  |                     |     |   |               |      | ± 9.6 % |
| TOT32     AAC     TEEE 802.11ax (80MHz, MCS1, 99pc dc)     WLAN     8.46     ± 9.6       10733     AAC     TEEE 602.11ax (80MHz, MCS2, 99pc dc)     WLAN     8.25     ± 9.0       10734     AAC     IEEE 602.11ax (80MHz, MCS4, 99pc dc)     WLAN     8.22     ± 9.0       10735     AAC     IEEE 602.11ax (80MHz, MCS4, 99pc dc)     WLAN     8.27     ± 9.6       10736     AAC     IEEE 602.11ax (80MHz, MCS5, 99pc dc)     WLAN     8.26     ± 9.0       10737     AAC     IEEE 602.11ax (80MHz, MCS5, 99pc dc)     WLAN     8.24     ± 9.6       10738     AAC     IEEE 602.11ax (80MHz, MCS1, 99pc dc)     WLAN     8.48     ± 9.6       10741     AAC     IEEE 602.11ax (80MHz, MCS1, 90pc dc)     WLAN     8.44     ± 9.6       10744     AAC     IEEE 602.11ax (100MHz, MCS1, 90pc dc)     WLAN     8.43     ± 9.0       10744     AAC     IEEE 602.11ax (100MHz, MCS2, 90pc dc)     WLAN     8.93     ± 9.6       10744     AAC     IEEE 602.11ax (100MHz, MCS3, 90pc dc)     WLAN     8.91     ± 9.0   |                     |     |   |               |      | ± 9.6 % |
| International Construction     International Construction <th< td=""><td></td><td></td><td>•</td><td></td><td></td><td>±9.6 %</td></th<>  |                     |     | •   |               |      | ±9.6 %  |
| ACC     IEEE 802.11ax (80MHz, MCS3, 89pc.dc)     WLAN     8.25     4.9.6       10734     AAC     IEEE 802.11ax (80MHz, MCS4, 89pc.dc)     WLAN     8.32     4.9.6       10736     AAC     IEEE 802.11ax (80MHz, MCS5, 99pc.dc)     WLAN     8.27     4.9.6       10737     AAC     IEEE 802.11ax (80MHz, MCS5, 99pc.dc)     WLAN     8.42     4.9.6       10738     AAC     IEEE 802.11ax (80MHz, MCS7, 99pc.dc)     WLAN     8.42     4.9.6       10740     AAC     IEEE 802.11ax (80MHz, MCS1, 99pc.dc)     WLAN     8.44     4.9.6       10741     AAC     IEEE 802.11ax (180MHz, MCS1, 99pc.dc)     WLAN     8.43     4.9.6       10742     AAC     IEEE 802.11ax (180MHz, MCS1, 90pc.dc)     WLAN     8.43     4.9.6       10744     AAC     IEEE 802.11ax (180MHz, MCS3, 90pc.dc)     WLAN     8.9.3     4.9.6       10744     AAC     IEEE 802.11ax (180MHz, MCS3, 90pc.dc)     WLAN     9.14     4.9.6       10744     AAC     IEEE 802.11ax (180MHz, MCS3, 90pc.dc)     WLAN     8.9.3     4.9.6       10746   |                     |     |   |               |      | ± 9.6 % |
| DAG     IEEE 802.11ax (80MHz, MCS4, 98pc.dc)     WLAN     8.33     19.66       10738     AAC     IEEE 802.11ax (80MHz, MCS6, 98pc.dc)     WLAN     8.37     19.66       10738     AAC     IEEE 802.11ax (80MHz, MCS6, 99pc.dc)     WLAN     8.27     19.66       10739     AAC     IEEE 802.11ax (80MHz, MCS6, 99pc.dc)     WLAN     8.22     19.66       10739     AAC     IEEE 802.11ax (80MHz, MCS6, 99pc.dc)     WLAN     8.42     19.66       10740     AAC     IEEE 802.11ax (80MHz, MCS1, 99pc.dc)     WLAN     8.44     19.66       10741     AAC     IEEE 802.11ax (180MHz, MCS1, 99pc.dc)     WLAN     8.44     19.66       10742     AAC     IEEE 802.11ax (180MHz, MCS1, 90pc.dc)     WLAN     8.93     19.66       10744     AAC     IEEE 802.11ax (180MHz, MCS3, 90pc.dc)     WLAN     8.93     19.66       10746     AAC     IEEE 802.11ax (180MHz, MCS3, 90pc.dc)     WLAN     8.93     19.66       10747     AAC     IEEE 802.11ax (180MHz, MCS3, 90pc.dc)     WLAN     8.93     19.66       10748   |                     |     |   |               |      | ± 9.6 % |
| DAGE     IEEE 802.11ax (80MHz, MCS6, 99pc dc)     WLAN     8.27     4.96       10737     AAC     IEEE 802.11ax (80MHz, MCS6, 99pc dc)     WLAN     8.36     4.96       10738     AAC     IEEE 802.11ax (80MHz, MCS7, 99pc dc)     WLAN     8.42     4.96       10739     AAC     IEEE 802.11ax (80MHz, MCS8, 99pc dc)     WLAN     8.44     4.96       10741     AAC     IEEE 802.11ax (80MHz, MCS1, 99pc dc)     WLAN     8.44     4.96       10742     AAC     IEEE 802.11ax (180MHz, MCS1, 99pc dc)     WLAN     8.44     4.96       10744     AAC     IEEE 802.11ax (180MHz, MCS1, 90pc dc)     WLAN     8.43     4.96       10744     AAC     IEEE 802.11ax (180MHz, MCS3, 90pc dc)     WLAN     8.91     4.96       10746     AAC     IEEE 802.11ax (180MHz, MCS3, 90pc dc)     WLAN     8.93     4.96       10747     AAC     IEEE 802.11ax (180MHz, MCS5, 90pc dc)     WLAN     8.91     4.96       10746     AAC     IEEE 802.11ax (180MHz, MCS5, 90pc dc)     WLAN     8.92     4.96       10750     AAC  |                     |     |   |               |      | ± 9.6 % |
| Diros     DAC     LEEE 802.11ax (80MHz, MCS6, 98pc dc)     WLAN     8.38     ± 9.6       10738     AAC     LEEE 802.11ax (80MHz, MCS8, 98pc dc)     WLAN     8.42     ± 9.5       10739     AAC     LEEE 802.11ax (80MHz, MCS8, 98pc dc)     WLAN     8.42     ± 9.5       10740     AAC     LEEE 802.11ax (80MHz, MCS1, 98pc dc)     WLAN     8.44     ± 9.6       10741     AAC     LEEE 802.11ax (80MHz, MCS1, 98pc dc)     WLAN     8.43     ± 9.6       10743     AAC     LEEE 802.11ax (160MHz, MCS1, 90pc dc)     WLAN     8.94     ± 9.6       10744     AAC     LEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.93     ± 9.6       10744     AAC     LEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     9.04     ± 9.6       10747     AAC     LEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.93     ± 9.6       10748     AAC     LEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.91     ± 9.6       10749     AAC     LEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.92     ± 9.6  |                     |     |   |               |      | ± 9.6 % |
| Display     DAC     LEEE 802.11ax (80MHz, MCS7, 98pc dc)     WLAN     8.42     ± 9.6       10738     AAC     LEEE 802.11ax (80MHz, MCS9, 98pc dc)     WLAN     8.29     ± 9.6       10740     AAC     LEEE 802.11ax (80MHz, MCS9, 98pc dc)     WLAN     8.44     ± 9.6       10741     AAC     LEEE 802.11ax (80MHz, MCS1, 98pc dc)     WLAN     8.44     ± 9.6       10742     AAC     LEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.43     ± 9.6       10743     AAC     LEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     9.44     ± 9.6       10744     AAC     LEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     9.04     ± 9.6       10747     AAC     LEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     9.04     ± 9.6       10748     AAC     LEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.90     ± 9.6       10749     AAC     LEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.90     ± 9.6       10754     AAC     LEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.94     ± 9.6   |                     |     |   |               |      | ± 9.6 % |
| 10739     AAC     IEEE 802.11ax (80MHz, MCS8, 98pc dc)     WLAN     8.29     ± 9.6       10740     AAC     IEEE 802.11ax (80MHz, MCS8, 98pc dc)     WLAN     8.44     ± 9.6       10741     AAC     IEEE 802.11ax (80MHz, MCS10, 99pc dc)     WLAN     8.40     ± 9.6       10742     AAC     IEEE 802.11ax (100MHz, MCS10, 99pc dc)     WLAN     8.43     ± 9.6       10743     AAC     IEEE 802.11ax (100MHz, MCS2, 90pc dc)     WLAN     8.93     ± 9.6       10744     AAC     IEEE 802.11ax (100MHz, MCS3, 90pc dc)     WLAN     8.93     ± 9.6       10744     AAC     IEEE 802.11ax (100MHz, MCS3, 90pc dc)     WLAN     8.93     ± 9.6       10747     AAC     IEEE 802.11ax (100MHz, MCS6, 90pc dc)     WLAN     8.90     ± 9.6       10747     AAC     IEEE 802.11ax (100MHz, MCS6, 90pc dc)     WLAN     8.90     ± 9.6       10754     AAC     IEEE 802.11ax (100MHz, MCS6, 90pc dc)     WLAN     8.91     ± 9.6       10755     AAC     IEEE 802.11ax (100MHz, MCS1, 90pc dc)     WLAN     8.82     ± 9.6  |                     |     |   |               |      | ± 9.6 % |
| DOTA     AAC     IEEE 802.11ax (80MHz, MCS8, 99pc dc)     WLAN     8.48     ± 9.6       10741     AAC     IEEE 802.11ax (80MHz, MCS1, 99pc dc)     WLAN     8.40     ± 9.6       10742     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.43     ± 9.6       10743     AAC     IEEE 802.11ax (160MHz, MCS1, 90pc dc)     WLAN     8.94     ± 9.6       10744     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.93     ± 9.6       10746     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.91     ± 9.6       10747     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.93     ± 9.6       10749     AAC     IEEE 802.11ax (160MHz, MCS6, 90pc dc)     WLAN     8.93     ± 9.6       10750     AAC     IEEE 802.11ax (160MHz, MCS8, 90pc dc)     WLAN     8.82     ± 9.6       10751     AAC     IEEE 802.11ax (160MHz, MCS8, 90pc dc)     WLAN     8.82     ± 9.6       10753     AAC     IEEE 802.11ax (160MHz, MCS8, 90pc dc)     WLAN     8.84     ± 9.6  |                     |     |   |               |      |         |
| Inite     Init     Init </td <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td>  | 1                   |     |   |               |      |         |
| Dirit     AAC     Tee Bool 11ax (BOMHz, MCS11, 99pc dc)     WLAN     8.43     ± 9.6       10742     AAC     IEEE 802.11ax (160MHz, MCS0, 90pc dc)     WLAN     8.94     ± 9.6       10744     AAC     IEEE 802.11ax (160MHz, MCS2, 90pc dc)     WLAN     8.93     ± 9.6       10746     AAC     IEEE 802.11ax (160MHz, MCS2, 90pc dc)     WLAN     9.14     ± 9.6       10747     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     9.04     ± 9.6       10747     AAC     IEEE 802.11ax (160MHz, MCS5, 90pc dc)     WLAN     8.93     ± 9.6       10748     AAC     IEEE 802.11ax (160MHz, MCS5, 90pc dc)     WLAN     8.93     ± 9.6       10749     AAC     IEEE 802.11ax (160MHz, MCS8, 90pc dc)     WLAN     8.7     ± 9.6       10751     AAC     IEEE 802.11ax (160MHz, MCS8, 90pc dc)     WLAN     8.82     ± 9.6       10753     AAC     IEEE 802.11ax (160MHz, MCS8, 90pc dc)     WLAN     8.94     ± 9.6       10754     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.64     ± 9.6  |                     |     |   |               |      |         |
| DAG     IEEE 802.11ax (160MHz, MCS0, 90pc dc)     WLAN     8.94     ± 0.6       10744     AAC     IEEE 802.11ax (160MHz, MCS1, 90pc dc)     WLAN     9.16     ± 9.6       10744     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     9.11     ± 9.6       10746     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     9.11     ± 9.6       10747     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     9.04     ± 9.6       10748     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.90     ± 9.6       10750     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.79     ± 9.6       10751     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.81     ± 9.6       10753     AAC     IEEE 802.11ax (160MHz, MCS1, 90pc dc)     WLAN     8.84     ± 9.6       10755     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.64     ± 9.6       10756     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.64     ± 9.6       10757   |                     |     |   |               |      |         |
| ID744     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, MCS2, 90pc dc)     WLAN     9.01     ± 9.6       10747     AAC     IEEE 802.11ax (160MHz, MCS4, 90pc dc)     WLAN     9.04     ± 9.6       10748     AAC     IEEE 802.11ax (160MHz, MCS5, 90pc dc)     WLAN     8.93     ± 9.6       10749     AAC     IEEE 802.11ax (160MHz, MCS7, 90pc dc)     WLAN     8.92     ± 9.6       10751     AAC     IEEE 802.11ax (160MHz, MCS8, 90pc dc)     WLAN     8.82     ± 9.6       10751     AAC     IEEE 802.11ax (160MHz, MCS1, 90pc dc)     WLAN     8.84     ± 9.6       10754     AAC     IEEE 802.11ax (160MHz, MCS1, 90pc dc)     WLAN     8.94     ± 9.6       10754     AAC     IEEE 802.11ax (160MHz, MCS1, 90pc dc)     WLAN     8.71     ± 9.6       10756     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     WLAN     8.77     ± 9.6   | 1                   | AAC |   |               |      |         |
| ID/T45     AAC     IEEE 802.11ax (180MHz, MCS2, 90pc dc)     WLAN     8.93     ± 9.6       10746     AAC     IEEE 802.11ax (180MHz, MCS3, 90pc dc)     WLAN     9.11     ± 9.6       10747     AAC     IEEE 802.11ax (180MHz, MCS3, 90pc dc)     WLAN     9.94     ± 9.6       10749     AAC     IEEE 802.11ax (180MHz, MCS5, 90pc dc)     WLAN     8.93     ± 9.6       10749     AAC     IEEE 802.11ax (180MHz, MCS5, 90pc dc)     WLAN     8.92     ± 9.6       10750     AAC     IEEE 802.11ax (180MHz, MCS9, 90pc dc)     WLAN     8.72     ± 9.0       10751     AAC     IEEE 802.11ax (180MHz, MCS9, 90pc dc)     WLAN     8.81     ± 9.0       10754     AAC     IEEE 802.11ax (180MHz, MCS1, 90pc dc)     WLAN     8.94     ± 9.0       10755     AAC     IEEE 802.11ax (180MHz, MCS1, 90pc dc)     WLAN     8.64     ± 9.0       10756     AAC     IEEE 802.11ax (180MHz, MCS3, 99pc dc)     WLAN     8.71     ± 9.0       10757     AAC     IEEE 802.11ax (180MHz, MCS3, 99pc dc)     WLAN     8.79     ± 9.0  |                     | AAC |   |               |      |         |
| International (1900Hz, MCS3, 90pc dc)     WLAN     9.11     ± 9.6       10747     AAC     IEEE 802.11ax (1800Hz, MCS4, 90pc dc)     WLAN     9.04     ± 9.6       10748     AAC     IEEE 802.11ax (1800Hz, MCS5, 90pc dc)     WLAN     8.93     ± 9.6       10749     AAC     IEEE 802.11ax (1800Hz, MCS6, 90pc dc)     WLAN     8.90     ± 9.6       10750     AAC     IEEE 802.11ax (1800Hz, MCS7, 90pc dc)     WLAN     8.82     ± 9.6       10751     AAC     IEEE 802.11ax (1800Hz, MCS19, 90pc dc)     WLAN     8.81     ± 9.6       10753     AAC     IEEE 802.11ax (1800Hz, MCS19, 90pc dc)     WLAN     8.84     ± 9.6       10754     AAC     IEEE 802.11ax (1800Hz, MCS19, 90pc dc)     WLAN     8.94     ± 9.6       10754     AAC     IEEE 802.11ax (1800Hz, MCS19, 90pc dc)     WLAN     8.64     ± 9.6       10756     AAC     IEEE 802.11ax (1800Hz, MCS1, 90pc dc)     WLAN     8.64     ± 9.6       10756     AAC     IEEE 802.11ax (1800Hz, MCS2, 90pc dc)     WLAN     8.71     ± 9.6       10757     AAC </td <td></td> <td>AAC</td> <td></td> <td></td> <td></td> <td></td>   |                     | AAC |   |               |      |         |
| International and the set of the | L                   | AAC |   |               |      |         |
| Intel Box     Intel Box <t< td=""><td></td><td>AAC</td><td></td><td></td><td></td><td>± 9.6 %</td></t<>   |                     | AAC |   |               |      | ± 9.6 % |
| International and the system of the |                     | AAC |   |               |      | ± 9.6 % |
| IOTS0     AAC     IEEE 802.11ax (160MHz, MCS7, 90pc dc)     WLAN     8.79     ± 9.6       10751     AAC     IEEE 802.11ax (160MHz, MCS8, 90pc dc)     WLAN     8.81     ± 9.6       10752     AAC     IEEE 802.11ax (160MHz, MCS9, 90pc dc)     WLAN     8.81     ± 9.6       10753     AAC     IEEE 802.11ax (160MHz, MCS10, 90pc dc)     WLAN     8.94     ± 9.6       10754     AAC     IEEE 802.11ax (160MHz, MCS10, 90pc dc)     WLAN     8.94     ± 9.6       10755     AAC     IEEE 802.11ax (160MHz, MCS1, 90pc dc)     WLAN     8.77     ± 9.6       10756     AAC     IEEE 802.11ax (160MHz, MCS2, 99pc dc)     WLAN     8.77     ± 9.6       10758     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     WLAN     8.69     ± 9.6       10769     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     WLAN     8.49     ± 9.6       10760     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     WLAN     8.49     ± 9.6       10761     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.49     ± 9.6 <tr< td=""><td></td><td>AAC</td><td></td><td></td><td></td><td>± 9.6 %</td></tr<>   |                     | AAC |   |               |      | ± 9.6 % |
| International Construction     International Constructin Constructin Construction     Internatena Constru  | 1                   | AAC |   |               |      | ± 9.6 % |
| 10752     AAC     IEEE 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     IEEE 802.11ax (160MHz, MCS11, 90pc dc)     WLAN     8.94     ± 9.6       10755     AAC     IEEE 802.11ax (160MHz, MCS1, 90pc dc)     WLAN     8.77     ± 9.6       10756     AAC     IEEE 802.11ax (160MHz, MCS2, 90pc dc)     WLAN     8.77     ± 9.6       10756     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.69     ± 9.6       10758     AAC     IEEE 802.11ax (160MHz, MCS3, 90pc dc)     WLAN     8.69     ± 9.6       10760     AAC     IEEE 802.11ax (160MHz, MCS4, 90pc dc)     WLAN     8.49     ± 9.6       10761     AAC     IEEE 802.11ax (160MHz, MCS6, 90pc dc)     WLAN     8.49     ± 9.6       10762     AAC     IEEE 802.11ax (160MHz, MCS7, 90pc dc)     WLAN     8.54     ± 9.6       10766     AAC     IEEE 802.11ax (160MHz, MCS10, 90pc dc)     WLAN     8.54     ± 9.6 <t< td=""><td>10750</td><td>AAC</td><td></td><td></td><td></td><td>± 9.6 %</td></t<>   | 10750               | AAC |   |               |      | ± 9.6 % |
| 10753     AAC     IEEE 802.11ax (160MHz, MCS10, 90pc dc)     WLAN     9.00     ± 9.6       10754     AAC     IEEE 802.11ax (160MHz, MCS11, 90pc dc)     WLAN     8.94     ± 9.6       10755     AAC     IEEE 802.11ax (160MHz, MCS0, 99pc dc)     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     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     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, MCS6, 99pc dc)     WLAN     8.49     ± 9.6       10761     AAC     IEEE 802.11ax (160MHz, MCS7, 99pc dc)     WLAN     8.53     ± 9.6       10763     AAC     IEEE 802.11ax (160MHz, MCS8, 99pc dc)     WLAN     8.54     ± 9.6       10764     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.54     ± 9.6 <tr< td=""><td>10751</td><td>AAC</td><td></td><td></td><td></td><td>±9.6%</td></tr<>  | 10751               | AAC |   |               |      | ±9.6%   |
| 10750     AAC     IEEE 802.11ax (160MHz, MCS1, 90pc dc)     WLAN     8.94     ± 9.6       10755     AAC     IEEE 802.11ax (160MHz, MCS0, 99pc dc)     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, MCS3, 99pc dc)     WLAN     8.77     ± 9.6       10758     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     WLAN     8.69     ± 9.6       10759     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     WLAN     8.69     ± 9.6       10760     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     WLAN     8.49     ± 9.6       10761     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     WLAN     8.58     ± 9.6       10762     AAC     IEEE 802.11ax (160MHz, MCS3, 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, MCS1, 99pc dc)     WLAN     8.51     ± 9.6   | 10752               | AAC |   |               | L    | ±9.6 %  |
| 10755     AAC     IEEE 802.11ax (160MHz, MCS0, 99pc dc)     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     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     WLAN     8.58     ± 9.6       10759     AAC     IEEE 802.11ax (160MHz, MCS4, 99pc dc)     WLAN     8.58     ± 9.6       10760     AAC     IEEE 802.11ax (160MHz, MCS5, 99pc dc)     WLAN     8.49     ± 9.6       10761     AAC     IEEE 802.11ax (160MHz, MCS7, 99pc dc)     WLAN     8.58     ± 9.6       10762     AAC     IEEE 802.11ax (160MHz, MCS9, 99pc dc)     WLAN     8.54     ± 9.6       10763     AAC     IEEE 802.11ax (160MHz, MCS9, 99pc dc)     WLAN     8.54     ± 9.6       10764     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.54     ± 9.6       10766     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.51     ± 9.6   | 10753               | AAC |   |               |      | ±9.6 %  |
| International     International     WLAN     8.77     ± 9.6       10756     AAC     IEEE 802.11ax (160MHz, MCS2, 99pc dc)     WLAN     8.77     ± 9.6       10757     AAC     IEEE 802.11ax (160MHz, MCS2, 99pc dc)     WLAN     8.69     ± 9.6       10758     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     WLAN     8.58     ± 9.6       10760     AAC     IEEE 802.11ax (160MHz, MCS5, 99pc dc)     WLAN     8.58     ± 9.6       10761     AAC     IEEE 802.11ax (160MHz, MCS7, 99pc dc)     WLAN     8.58     ± 9.6       10763     AAC     IEEE 802.11ax (160MHz, MCS7, 99pc dc)     WLAN     8.53     ± 9.6       10764     AAC     IEEE 802.11ax (160MHz, MCS9, 99pc dc)     WLAN     8.54     ± 9.6       10766     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.54     ± 9.6       10767     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.54     ± 9.6       10768     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.54     ± 9.6       10769     AA  | 10754               | AAC |   |               |      | ± 9.6 % |
| 10757     AAC     IEEE 802.11ax (160MHz, MCS2, 99pc dc)     WLAN     8.77     ± 9.0       10758     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     WLAN     8.69     ± 9.0       10759     AAC     IEEE 802.11ax (160MHz, MCS4, 99pc dc)     WLAN     8.58     ± 9.0       10760     AAC     IEEE 802.11ax (160MHz, MCS6, 99pc dc)     WLAN     8.49     ± 9.0       10761     AAC     IEEE 802.11ax (160MHz, MCS6, 99pc dc)     WLAN     8.49     ± 9.0       10761     AAC     IEEE 802.11ax (160MHz, MCS9, 99pc dc)     WLAN     8.49     ± 9.0       10763     AAC     IEEE 802.11ax (160MHz, MCS9, 99pc dc)     WLAN     8.53     ± 9.0       10764     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.54     ± 9.0       10765     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.51     ± 9.0       10766     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.51     ± 9.0       10767     AAC     SG NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)     SG NR FR1 TDD     8.01     ± 9.0 <   | 10755               | AAC | IEEE 802.11ax (160MHz, MCS0, 99pc dc)       |               | L    | ± 9.6 % |
| NO.     AAC     IEEE 802.11ax (160MHz, MCS3, 99pc dc)     WLAN     8.69     ± 9.0       10758     AAC     IEEE 802.11ax (160MHz, MCS4, 99pc dc)     WLAN     8.58     ± 9.0       10760     AAC     IEEE 802.11ax (160MHz, MCS5, 99pc dc)     WLAN     8.49     ± 9.0       10761     AAC     IEEE 802.11ax (160MHz, MCS6, 99pc dc)     WLAN     8.49     ± 9.0       10762     AAC     IEEE 802.11ax (160MHz, MCS6, 99pc dc)     WLAN     8.49     ± 9.0       10763     AAC     IEEE 802.11ax (160MHz, MCS9, 99pc dc)     WLAN     8.53     ± 9.0       10764     AAC     IEEE 802.11ax (160MHz, MCS9, 99pc dc)     WLAN     8.54     ± 9.0       10764     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.51     ± 9.0       10766     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.51     ± 9.0       10768     AAC     5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.0       10770     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9  | 10756               | AAC | IEEE 802.11ax (160MHz, MCS1, 99pc dc)       | WLAN          |      | ± 9.6 % |
| 10750     AAC     IEEE 802.11ax (160MHz, MCS4, 99pc dc)     WLAN     8.58     ± 9.6       10760     AAC     IEEE 802.11ax (160MHz, MCS5, 99pc dc)     WLAN     8.49     ± 9.6       10761     AAC     IEEE 802.11ax (160MHz, MCS7, 99pc dc)     WLAN     8.49     ± 9.6       10762     AAC     IEEE 802.11ax (160MHz, MCS7, 99pc dc)     WLAN     8.49     ± 9.6       10763     AAC     IEEE 802.11ax (160MHz, MCS8, 99pc dc)     WLAN     8.54     ± 9.6       10764     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.54     ± 9.6       10766     AAC     IEEE 802.11ax (160MHz, MCS11, 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     8.01     ± 9.6       10768     AAC     5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10770     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02 </td <td>10757</td> <td>AAC</td> <td></td> <td></td> <td></td> <td>± 9.6 %</td>   | 10757               | AAC |   |               |      | ± 9.6 % |
| 10760     AAC     IEEE 802.11ax (160MHz, MCS5, 99pc dc)     WLAN     8.49     ± 9.6       10761     AAC     IEEE 802.11ax (160MHz, MCS6, 99pc dc)     WLAN     8.58     ± 9.6       10762     AAC     IEEE 802.11ax (160MHz, MCS7, 99pc dc)     WLAN     8.49     ± 9.6       10763     AAC     IEEE 802.11ax (160MHz, MCS9, 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, MCS1, 99pc dc)     WLAN     8.54     ± 9.6       10766     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.51     ± 9.6       10766     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.51     ± 9.6       10766     AAC     IEEE 802.11ax (160MHz, MCS1, 99pc dc)     WLAN     8.51     ± 9.6       10767     AAC     5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10768     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ±  | 10758               | AAC | IEEE 802.11ax (160MHz, MCS3, 99pc dc)       | WLAN          |      | ± 9.6 % |
| NOT     AAC     IEEE 802.11ax (160MHz, MCS6, 99pc dc)     WLAN     8.58     ± 9.6       10761     AAC     IEEE 802.11ax (160MHz, MCS7, 99pc dc)     WLAN     8.49     ± 9.6       10763     AAC     IEEE 802.11ax (160MHz, MCS7, 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       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     8.01     ± 9.6       10768     AAC     5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10769     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.6       10770     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD  | 10759               | AAC | IEEE 802.11ax (160MHz, MCS4, 99pc dc)       | WLAN          | 8.58 | ± 9.6 % |
| 10762     AAC     IEEE 802.11ax (160MHz, MCS7, 99pc dc)     WLAN     8.49     ± 9.6       10762     AAC     IEEE 802.11ax (160MHz, MCS7, 99pc dc)     WLAN     8.53     ± 9.6       10763     AAC     IEEE 802.11ax (160MHz, MCS8, 99pc dc)     WLAN     8.53     ± 9.6       10764     AAC     IEEE 802.11ax (160MHz, MCS10, 99pc dc)     WLAN     8.54     ± 9.6       10765     AAC     IEEE 802.11ax (160MHz, MCS10, 99pc dc)     WLAN     8.51     ± 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     8.01     ± 9.6       10768     AAC     5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10769     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10770     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.6       10771     AAC     5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)     5G NR   | 10760               | AAC |   | WLAN          | 8.49 | ± 9.6 % |
| 10763     AAC     IEEE 802.11ax (160MHz, MCS8, 99pc dc)     WLAN     8.53     ± 9.6       10763     AAC     IEEE 802.11ax (160MHz, MCS9, 99pc dc)     WLAN     8.54     ± 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     8.51     ± 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     8.01     ± 9.6       10768     AAC     5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10770     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.6       10771     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.6       10772     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.6       10773     AAC     5G NR (CP-OFDM, 1 RB, 0 MHz, QPSK, 15 kHz)  | 10761               | AAC | IEEE 802.11ax (160MHz, MCS6, 99pc dc)       | WLAN          | 8.58 | ± 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       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     8.01     ± 9.6       10768     AAC     5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10769     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10770     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.6       10771     AAC     5G NR (CP-OFDM, 1 RB, 30 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     8.03     ± 9.6       10774     AAC     5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 1   | 10762               | AAC | IEEE 802.11ax (160MHz, MCS7, 99pc dc)       | WLAN          | 8.49 | ± 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       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 TDD     8.01     ± 9.6       10769     AAC     5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10770     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.6       10771     AAC     5G NR (CP-OFDM, 1 RB, 20 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     8.03     ± 9.6       10773     AAC     5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 1   | 10763               | AAC | IEEE 802.11ax (160MHz, MCS8, 99pc dc)       | WLAN          | 8.53 | ± 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 TDD     8.01     ± 9.6       10769     AAC     5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10769     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10770     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.6       10771     AAC     5G NR (CP-OFDM, 1 RB, 30 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     8.03     ± 9.6       10774     AAC     5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.6       10775     AAC     5G NR (C   | 10764               |     | IEEE 802.11ax (160MHz, MCS9, 99pc dc)       |               |      | ± 9.6 % |
| 10767     AAC     5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     7.99     ± 9.6       10768     AAC     5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10769     AAC     5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10769     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.6       10770     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.6       10771     AAC     5G NR (CP-OFDM, 1 RB, 20 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     8.02     ± 9.6       10773     AAC     5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.03     ± 9.6       10774     AAC     5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.6       10775     AAC     5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.6       10776   | 10765               |     | IEEE 802.11ax (160MHz, MCS10, 99pc dc)      | WLAN          | 8.54 | ± 9.6 % |
| 10767     AAC     5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     7.99     ± 9.0       10768     AAC     5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.0       10769     AAC     5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.01     ± 9.0       10769     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.0       10770     AAC     5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.0       10771     AAC     5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.0       10772     AAC     5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.0       10773     AAC     5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.03     ± 9.0       10774     AAC     5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.0       10775     AAC     5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10776   | 10766               |     | IEEE 802.11ax (160MHz, MCS11, 99pc dc)      | WLAN          | 8.51 | ± 9.6 % |
| 10768   AAC   5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.01   ± 9.6     10769   AAC   5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.01   ± 9.6     10770   AAC   5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10771   AAC   5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10772   AAC   5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10773   AAC   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10774   AAC   5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.03   ± 9.6     10774   AAC   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10775   AAC   5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10776   AAC   5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.30   ± 9.6     10777   AAC   5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.   | 10767               |     | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 7.99 | ± 9.6 % |
| 10769   AAC   5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.01   ± 9.6     10770   AAC   5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10771   AAC   5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10771   AAC   5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10772   AAC   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10773   AAC   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.03   ± 9.6     10774   AAC   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10774   AAC   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.03   ± 9.6     10776   AAC   5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.30   ± 9.6     10777   AAC   5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.30   ± 9.6     10777   AAC   5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.   | 10768               |     | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10770   AAC   5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10771   AAC   5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10772   AAC   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10773   AAC   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.23   ± 9.6     10774   AAC   5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.03   ± 9.6     10774   AAC   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10774   AAC   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10775   AAC   5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.31   ± 9.6     10776   AAC   5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.30   ± 9.6     10777   AAC   5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.30   ± 9.6     10778   AAC   5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD  |                     | -   | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10771   AAC   5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.0     10772   AAC   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.23   ± 9.0     10773   AAC   5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.03   ± 9.0     10774   AAC   5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.03   ± 9.0     10774   AAC   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.0     10775   AAC   5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.31   ± 9.0     10776   AAC   5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.30   ± 9.0     10777   AAC   5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.30   ± 9.0     10777   AAC   5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.34   ± 9.0     10778   AAC   5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.34   ± 9.0     10779   AAC   5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD  |                     |     | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10772   AAC   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.23   ± 9.6     10773   AAC   5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.03   ± 9.6     10774   AAC   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10774   AAC   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.02   ± 9.6     10775   AAC   5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.31   ± 9.6     10776   AAC   5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.30   ± 9.6     10777   AAC   5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.30   ± 9.6     10777   AAC   5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.30   ± 9.6     10778   AAC   5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.34   ± 9.6     10779   AAC   5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.38   ± 9.6     10780   AAC   5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 TDD  |                     |     | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10773     AAC     5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.03     ± 9.0       10774     AAC     5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.0       10774     AAC     5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.0       10775     AAC     5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.31     ± 9.0       10776     AAC     5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10777     AAC     5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10777     AAC     5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10778     AAC     5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.34     ± 9.0       10779     AAC     5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10780     AAC     5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781  | L                   |     |   | 5G NR FR1 TDD | 8.23 | ± 9.6 % |
| 10774     AAC     5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.02     ± 9.0       10775     AAC     5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.31     ± 9.0       10776     AAC     5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.31     ± 9.0       10776     AAC     5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10777     AAC     5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10777     AAC     5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10777     AAC     5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.34     ± 9.0       10779     AAC     5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10780     AAC     5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781     AAC     5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781<   |                     |     |   | 5G NR FR1 TDD | 8.03 | ± 9.6 % |
| 10775     AAC     5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.31     ± 9.0       10776     AAC     5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10776     AAC     5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10777     AAC     5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10778     AAC     5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.34     ± 9.0       10779     AAC     5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.34     ± 9.0       10780     AAC     5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781     AAC     5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781     AAC     5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0   |                     |     |   | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10776     AAC     5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10777     AAC     5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10777     AAC     5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10778     AAC     5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.34     ± 9.0       10779     AAC     5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.42     ± 9.0       10780     AAC     5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781     AAC     5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781     AAC     5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0   |                     |     |   | 5G NR FR1 TDD | 8.31 | ± 9.6 % |
| 10777     AAC     5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.30     ± 9.0       10778     AAC     5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.34     ± 9.0       10779     AAC     5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.34     ± 9.0       10779     AAC     5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.42     ± 9.0       10780     AAC     5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781     AAC     5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0   |                     |     |   | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10778     AAC     5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.34     ± 9.0       10779     AAC     5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.42     ± 9.0       10780     AAC     5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781     AAC     5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0   |                     | _   |   | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10779     AAC     5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.42     ± 9.0       10780     AAC     5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781     AAC     5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781     AAC     5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0   | 1                   |     |   | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10780     AAC     5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781     AAC     5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0       10781     AAC     5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0  |                     |     |   |               |      | ± 9.6 % |
| 10781     AAC     5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 TDD     8.38     ± 9.0  |                     | _   |   | 5G NR FR1 TDD |      | ± 9.6 % |
|   |                     |     |   |               |      | ± 9.6 % |
|   |                     |     |   |               |      | ± 9.6 % |
|   | <u>د</u> ــــــــــ |     |   |               |      | ± 9.6 % |

| 40704    |     |  | 5G NR FR1 TDD | 8,29 | ± 9.6 %                    |
|----------|-----|--|---------------|------|----------------------------|
| 10784    | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.40 | ± 9.6 %                    |
| 10785    | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)<br>5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 %                    |
| 10786    | AAC | •  | 5G NR FR1 TDD | 8,44 | ± 9.6 %                    |
| 10787    | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.39 | ± 9.6 %                    |
| 10788    | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.39 | ± 9.6 %                    |
| 10789    | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)   |               |      | ± 9.6 %                    |
| 10790    | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.39 |                            |
| 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 TDD | 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 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    | 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-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    | AAC | 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    | AAC | 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    | AAE | 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 %                    |
| 10832    | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.74 | ± 9.6 %                    |
| 10833    | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.70 | ± 9.6 %                    |
| 10834    | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.75 | ± 9.6 %                    |
| 10835    | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.70 | ± 9.6 %                    |
| 10836    | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.66 | ± 9.6 %                    |
| 10837    |     | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.68 | ± 9.6 %                    |
| 10839    |     | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 7.70 | ± 9.6 %                    |
| 10839    | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 KHz)  | 5G NR FR1 TDD | 7.67 | ± 9.6 %                    |
| 10840    | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 7.71 | ± 9.6 %                    |
| 10841    | AAD | 5G NR (CP-OFDM, 178, 100 Minz, Gr SK, 00 Miz)  | 5G NR FR1 TDD | 8.49 | ± 9.6 %                    |
| 10843    | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.34 | ± 9.6 %                    |
| <u>i</u> | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)  | 5G NR FR1 TDD | 8.41 | ± 9.6 %                    |
| 10846    | AAD |  | 5G NR FR1 TDD | 8.34 | ± 9.6 %                    |
| 10854    | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD |      | $\pm 9.6\%$<br>$\pm 9.6\%$ |
| 10855    | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.36 | ~                          |
| 10856    | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)   |               | 8.37 | $\pm 9.6\%$                |
| 10857    | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.35 | ± 9.6 %                    |
| 10858    | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.36 | ± 9.6 %                    |
| 10859    | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)   | 5G NR FR1 TDD | 8.34 | ± 9.6 %                    |

| 40055 |     | TO NO (OD OFOM 4000 DD 50 MIL- ODOL 00 MIL-)         |                                | Q /1         | ± 9.6 %     |
|-------|-----|--|--------------------------------|--------------|-------------|
| 10860 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD<br>5G NR FR1 TDD | 8.41<br>8.40 | ± 9.6 %     |
| 10861 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD                  | 8.40         | ± 9.6 %     |
| 10863 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD                  | 8.37         | ± 9.6 %     |
| 10864 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)       |                                |              |             |
| 10865 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)      | 5G NR FR1 TDD                  | 8.41         | ± 9.6 %     |
| 10866 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD                  | 5.68         | ± 9.6 %     |
| 10868 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD                  | 5.89         | ± 9.6 %     |
| 10869 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD                  | 5.75         | ± 9.6 %     |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)  | 5G NR FR2 TDD                  | 5.86         | ±9.6 %      |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD                  | 5.75         | ± 9.6 %     |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD                  | 6.52         | ±9.6 %      |
| 10873 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD                  | 6.61         | ± 9.6 %     |
| 10874 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD                  | 6.65         | ± 9.6 %     |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)        | 5G NR FR2 TDD                  | 7.78         | ± 9.6 %     |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD                  | 8.39         | ±9.6 %      |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       | 5G NR FR2 TDD                  | 7.95         | ± 9.6 %     |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD                  | 8.41         | ± 9.6 %     |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)       | 5G NR FR2 TDD                  | 8.12         | ±9.6 %      |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD                  | 8.38         | ± 9.6 %     |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD                  | 5.75         | ± 9.6 %     |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)   | 5G NR FR2 TDD                  | 5.96         | ± 9.6 %     |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD                  | 6.57         | ± 9.6 %     |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD                  | 6.53         | ±9.6%       |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD                  | 6.61         | ± 9.6 %     |
| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)  | 5G NR FR2 TDD                  | 6.65         | ± 9.6 %     |
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         | 5G NR FR2 TDD                  | 7.78         | ± 9.6 %     |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD                  | 8.35         | ± 9.6 %     |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)        | 5G NR FR2 TDD                  | 8.02         | ± 9.6 %     |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD                  | 8.40         | ± 9.6 %     |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)        | 5G NR FR2 TDD                  | 8.13         | ± 9.6 %     |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD                  | 8.41         | ± 9.6 %     |
| 10897 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD                  | 5.66         | ± 9.6 %     |
| 10898 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD                  | 5.67         | ± 9.6 %     |
| 10899 |     | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD                  | 5.67         | ± 9.6 %     |
| 10900 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD                  | 5.68         | ± 9.6 %     |
| 10901 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD                  | 5.68         | ± 9.6 %     |
| 10902 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD                  | 5.68         | ± 9.6 %     |
| 1     | AAD | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD                  | 5.68         | ± 9.6 %     |
| 10903 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD                  | 5.68         | ± 9.6 %     |
| 10904 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 KHz)       | 5G NR FR1 TDD                  | 5.68         | ± 9.6 %     |
| 10905 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD                  | 5.68         | ± 9.6 %     |
|       | AAD | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD                  | 5.08         | ± 9.6 %     |
| 10907 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 3 Minz, QPSK, 30 kHz)     | 5G NR FR1 TDD                  | 5.93         | ± 9.6 %     |
| 10908 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 KHz)     | 5G NR FR1 TDD                  | 5.95         | ± 9.6 %     |
| 10909 | AAD |  | 5G NR FR1 TDD                  | 5.96         | ± 9.6 %     |
| 10910 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD                  |              |             |
| 10911 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)     |                                | 5.93         | ± 9.6 %     |
| 10912 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD                  | 5.84         | $\pm 9.6\%$ |
| 10913 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD                  | 5.84         | ± 9.6 %     |
| 10914 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD                  | 5.85         | ± 9.6 %     |
| 10915 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD                  | 5.83         | ± 9.6 %     |
| 10916 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD                  | 5.87         | ± 9.6 %     |
| 10917 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD                  | 5.94         | ± 9.6 %     |
| 10918 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD                  | 5.86         | ± 9.6 %     |
| 10919 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD                  | 5.86         | ± 9.6 %     |
| 10920 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD                  | 5.87         | ± 9.6 %     |
| 10921 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD                  | 5.84         | ± 9.6 %     |

January 11, 2021

| 40000 | T   |   |               | 5.00  |         |
|-------|-----|---|---------------|-------|---------|
| 10922 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.82  | ± 9.6 % |
| 10923 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84  | ± 9.6 % |
| 10924 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84  | ± 9.6 % |
| 10925 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.95  | ± 9.6 % |
| 10926 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84  | ± 9.6 % |
| 10927 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94  | ± 9.6 % |
| 10928 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)       | 5G NR FR1 FDD | 5.52  | ± 9.6 % |
| 10929 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52  | ± 9.6 % |
| 10930 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52  | ± 9.6 % |
| 10931 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10932 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10933 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10934 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ±9.6%   |
| 10935 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10936 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.90  | ±9.6%   |
| 10937 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.77  | ±9.6%   |
| 10938 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.90  | ±9.6%   |
| 10939 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.82  | ± 9.6 % |
| 10940 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.89  | ± 9.6 % |
| 10941 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.83  | ± 9.6 % |
| 10942 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.85  | ± 9.6 % |
| 10943 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.95  | ± 9.6 % |
| 10944 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.81  | ± 9.6 % |
| 10945 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.85  | ± 9.6 % |
| 10946 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.83  | ± 9.6 % |
| 10947 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87  | ± 9.6 % |
| 10948 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94  | ± 9.6 % |
| 10949 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87  | ± 9.6 % |
| 10950 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94  | ± 9.6 % |
| 10951 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.92  | ± 9.6 % |
| 10952 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 FDD | 8.25  | ± 9.6 % |
| 10953 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.15  | ± 9.6 % |
| 10954 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.23  | ± 9.6 % |
| 10955 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.42  | ± 9.6 % |
| 10956 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 FDD | 8.14  | ± 9.6 % |
| 10957 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.31  | ± 9.6 % |
| 10958 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.61  | ± 9.6 % |
| 10959 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.33  | ± 9.6 % |
| 10960 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 TDD | 9.32  | ± 9.6 % |
| 10961 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.36  | ± 9.6 % |
| 10962 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.40  | ± 9.6 % |
| 10963 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.55  | ± 9.6 % |
| 10964 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.29  | ± 9.6 % |
| 10965 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.37  | ± 9.6 % |
| 10966 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.55  | ± 9.6 % |
| 10967 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.42  | ±9.6 %  |
| 10968 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49  | ± 9.6 % |
| 10972 | AAB | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         | 5G NR FR1 TDD | 11.59 | ± 9.6 % |
| 1     |     | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 9.06  | ± 9.6 % |
| 10973 | AAB | 00 MR(B11-3-01 DM, 1100 MI12, Q1 6R, 30 K12)        |               | 0.00  |         |

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

# Calibration Laboratory of Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland

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

# S COREDITATION S C S

MR

Schweizerischer Kalibrierdienst

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

Accreditation No.: SCS 0108

Client PC Test

Certificate No: 5G-Veri30-1045\_Dec20

# **CALIBRATION CERTIFICATE**

| Dbject                           | 5G Verification             | Source 30 GHz - SN: 1045   |                           |
|----------------------------------|-----------------------------|--|---------------------------|
|                                  |                             |  | MARS 20                   |
| Calibration procedure(s)         | QA CAL-45.v3                |  |                           |
|                                  | Calibration proc            | edure for sources in air above 6 GH  | Z                         |
|                                  |                             |  |                           |
| alibration date:                 | December 10, 2              | 2020   |                           |
|                                  |                             |  |                           |
|                                  | a and and a set of the      | tional standards, which realize the physical units<br>probability are given on the following pages and a |                           |
| Il calibrations have been conduc | ted in the closed laborat   | ory facility: environment temperature (22 $\pm$ 3)°C a   | nd humidity < 70%.        |
| alibration Equipment used (M&T   | E critical for calibration) |  |                           |
| rimary Standards                 | ID #                        | Cal Date (Certificate No.)   | Scheduled Calibration     |
| Reference Probe EUmmWV3          | SN: 9374                    | 31-Dec-19 (No. EUmmWV3-9374_Dec19)   | Dec-20                    |
| AE4ip                            | SN: 1602                    | 11-Aug-20 (No. DAE4ip-1602_Aug20)  | Aug-21                    |
| econdary Standards               | ID#                         | Check Date (in house)  | Scheduled Check           |
|                                  |                             |  |                           |
|                                  | ,                           |  |                           |
|                                  |                             |  |                           |
|                                  |                             |  |                           |
|                                  |                             |  |                           |
|                                  |                             |  |                           |
|                                  |                             |  |                           |
|                                  | Name                        | Function   | Signature                 |
| Calibrated by:                   | Leif Klysner                | Laboratory Technician  | Sef Fligen                |
| Approved by:                     | Katja Pokovic               | Technical Manager  | delle                     |
|                                  |                             |  | Issued: December 11, 2020 |

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





S Schweizerischer Kalibrierdienst

C Service suisse d'étalonnage

S Servizio svizzero di taratura

Swiss Calibration Service

Accreditation No.: SCS 0108

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#### Glossary

CW

Continuous wave

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

- Internal procedure QA CAL-45-5Gsources
- IEC TR 63170 ED1, "Measurement procedure for the evaluation of power density related to human exposure to radio frequency fields from wireless communication devices operating between 6 GHz and 100 GHz", January 2018

#### Methods Applied and Interpretation of Parameters

- *Coordinate System:* z-axis in the waveguide horn boresight, x-axis is in the direction of the E-field, y-axis normal to the others in the field scanning plane parallel to the horn flare and horn flange.
- *Measurement Conditions: (1) 10 GHz:* The forward power to the horn antenna is measured prior and after the measurement with a power sensor. During the measurements, the horn is directly connected to the cable and the antenna ohmic and mismatch losses are determined by far-field measurements. (2) 30, 45, 60 and 90 GHz: The verification sources are switched on for at least 30 minutes. Absorbers are used around the probe cub and at the ceiling to minimize reflections.
- *Horn Positioning:* The waveguide horn is mounted vertically on the flange of the waveguide source to allow vertical positioning of the EUmmW probe during the scan. The plane is parallel to the phantom surface. Probe distance is verified using mechanical gauges positioned on the flare of the horn.
- E- field distribution: E field is measured in two x-y-plane (10mm, 10mm + λ/4) with a vectorial E-field probe. The E-field value stated as calibration value represents the E-field-maxima and the averaged (1cm<sup>2</sup> and 4cm<sup>2</sup>) power density values at 10mm in front of the horn.
- *Field polarization:* Above the open horn, linear polarization of the field is expected. This is verified graphically in the field representation.

#### **Calibrated Quantity**

Local peak E-field (V/m) and peak values of the total and normal component of the poynting vector [Re{S}] and n.Re{S} averaged over the surface area of 1 cm<sup>2</sup> (pStotavg1cm<sup>2</sup> and pSnavg1cm<sup>2</sup>) and 4cm<sup>2</sup> (pStotavg4cm<sup>2</sup> and pSnavg4cm<sup>2</sup>) at the nominal operational frequency of the verification source.

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%.

#### **Measurement Conditions**

DASY system configuration, as far as not given on page 1.

| DASY Version                   | cDASY6 Module mmWave | V2.0 |
|--------------------------------|----------------------|------|
| Phantom                        | 5G Phantom           |      |
| Distance Horn Aperture - plane | 10 mm                |      |
| XY Scan Resolution             | dx, dy = 2.5 mm      |      |
| Number of measured planes      | 2 (10mm, 10mm + λ/4) |      |
| Frequency                      | 30 GHz ± 10 MHz      |      |

#### Calibration Parameters, 30 GHz

| Distance Horn Aperture<br>to Measured Plane | Prad <sup>1</sup><br>(mW) | Max E-field<br>(V/m) | Uncertainty<br>(k = 2) | Avg Powe<br>n.Re{S}<br>(W/ | ,  Re{S}                 | Uncertainty<br>(k = 2) |
|---|---------------------------|----------------------|------------------------|----------------------------|--------------------------|------------------------|
|   |                           |                      |                        | 1 cm <sup>2</sup>          | <b>4</b> cm <sup>2</sup> |                        |
| 10 mm                                       | 30.2                      | 130                  | 1.27 dB                | 37.7, 38.1                 | 32.7, 33.2               | 1.28 dB                |

 $<sup>^{1}</sup>$  derived from far-field data

## **DASY Report**

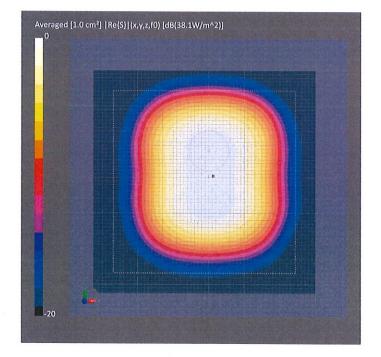
#### Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

#### **Device under Test Properties**

| Name, Manufacturer          | Dimensions [mm                  | 1]              | IMEI           | DUT Type                           |                              |
|-----------------------------|---------------------------------|-----------------|----------------|------------------------------------|------------------------------|
| 5G Verification Source 30 G | Hz 100.0 x 100.0 x 1            | 100.0           | SN: 1045       | -                                  |                              |
| Exposure Conditions         |                                 |                 |                |                                    |                              |
| Phantom Section             | Position, Test Distance<br>[mm] | Band            | Group,         | Frequency [MHz],<br>Channel Number | <b>Conversion Factor</b>     |
| 5G -                        | 5.55 mm                         | Validation band | CW             | 30000.0,<br>30000                  | 1.0                          |
| Hardware Setup<br>Phantom   | Medium                          |                 | Probe, Calibra | ation Date                         | DAE, Calibration Date        |
| nmWave Phantom - 1002       | Air                             |                 |                | 5N9374_F1-78GHz,                   | DAE4ip Sn1602,<br>2020-08-11 |
| Scan Setup                  |                                 |                 | Measurem       | ent Results                        |                              |
|                             |                                 | 5G S            | can            |                                    | 5G S                         |

|                     | SG Scall      |   |
|---------------------|---------------|---|
| Grid Extents [mm]   | 60.0 x 60.0   | D |
| Grid Steps [lambda] | 0.25 x 0.25   | A |
| Sensor Surface [mm] | 5.55          | р |
| MAIA                | MAIA not used | р |
|                     |               | E |

|   |                               | SG Scan           |
|---|-------------------------------|-------------------|
| 0 | Date                          | 2020-12-10, 07:35 |
| 5 | Avg. Area [cm <sup>2</sup> ]  | 1.00              |
| 5 | pStot avg [W/m <sup>2</sup> ] | 38.1              |
| d | pSn avg [W/m <sup>2</sup> ]   | 37.7              |
|   | Epeak [V/m]                   | 130               |
|   | Power Drift [dB]              | -0.01             |
|   |                               |                   |



#### **DASY Report**

## Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

| Name, Manufacturer          | Dimensions [mm                  | ]               | IMEI            | DUT Type                             |                              |
|-----------------------------|---------------------------------|-----------------|-----------------|--------------------------------------|------------------------------|
| 5G Verification Source 30 G | Hz 100.0 x 100.0 x 1            | .00.0           | SN: 1045        | -                                    |                              |
| Exposure Conditions         |                                 |                 |                 |                                      |                              |
| Phantom Section             | Position, Test Distance<br>[mm] | Band            | Group,          | Frequency [MHz],<br>Channel Number   | <b>Conversion Factor</b>     |
| 5G -                        | 5.55 mm                         | Validation band | CW              | 30000.0,<br>30000                    | 1.0                          |
| Hardware Setup              | Medium                          |                 | Braha Call      | hustion Data                         |                              |
| mmWave Phantom - 1002       | Air                             |                 |                 | bration Date<br>s - SN9374_F1-78GHz, | DAE, Calibration Date        |
|                             | 7.0                             |                 | 2019-12-3:      |                                      | DAE4ip Sn1602,<br>2020-08-11 |
| Scan Setup                  |                                 |                 | Measure         | ment Results                         |                              |
|                             |                                 | 5G S            | can             |                                      | 5G Scan                      |
| Grid Extents [mm]           |                                 | 60.0 x 6        |                 |                                      | 2020-12-10, 07:35            |
| Grid Steps [lambda]         |                                 | 0.25 x 0        |                 |                                      | 4.00                         |
| Sensor Surface [mm]         |                                 |                 | .55 pStot avg [ |                                      | 33.2                         |
| MAIA                        |                                 | MAIA not u      | sed pSn avg [V  |                                      | 32.7                         |

E<sub>peak</sub> [V/m] Power Drift [dB]

130 -0.01

-20