

Test Report S/N: Test Report Issue Date: 45461425 R1.0 01 March 2018

APPENDIX E - PROBE CALIBRATION

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





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Accreditation No.: SCS 0108

Certificate No: EX3-3600_Apr17/2

Accredited by the Swiss Accreditation Service (SAS)

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Multilateral Agreement for the recognition of calibration certificates

Client Celltech

CALIBRATION CERTIFICATE (Replacement of No: EX3-3600_Apr17)

Object EX3DV4 - SN:3600

Calibration procedure(s) QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v4, QA CAL-23.v5.

QA CAL-25.v6

Calibration procedure for dosimetric E-field probes

Calibration date: April 27, 2017

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

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

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards | ID | Cal Date (Certificate No.) | Scheduled Calibration |
|----------------------------|------------------|-----------------------------------|------------------------|
| Power meter NRP | SN: 104778 | 04-Apr-17 (No. 217-02521/02522) | Apr-18 |
| Power sensor NRP-Z91 | SN: 103244 | 04-Apr-17 (No. 217-02521) | Apr-18 |
| Power sensor NRP-Z91 | SN: 103245 | 04-Apr-17 (No. 217-02525) | Apr-18 |
| Reference 20 dB Attenuator | SN: S5277 (20x) | 07-Apr-17 (No. 217-02528) | Apr-18 |
| Reference Probe ES3DV2 | SN: 3013 | 31-Dec-16 (No. ES3-3013_Dec16) | Dec-17 |
| DAE4 | SN: 660 | 7-Dec-16 (No. DAE4-660_Dec16) | Dec-17 |
| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB41293874 | 06-Apr-16 (in house check Jun-16) | In house check: Jun-18 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-16) | In house check: Jun-18 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-16) | In house check: Jun-18 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-16) | In house check: Jun-18 |
| Network Analyzer HP 8753E | SN: US37390585 | 18-Oct-01 (in house check Oct-16) | In house check: Oct-17 |

Name Function Signature
Calibrated by: Laboratory Technician

Approved by: Katja Pokovic Technical Manager

Issued: October 12, 2017

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

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Calibration Laboratory of

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Engineering AG
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Glossary:

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

ConvF sensitivity in TSL / NORMx,y,z
DCP diode compression point

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

Polarization φ φ rotation around probe axis

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

i.e., 9 = 0 is normal to probe axis

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

Calibration is Performed According to the Following Standards:

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

 b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005

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

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

Methods Applied and Interpretation of Parameters:

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

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Probe EX3DV4

SN:3600

Manufactured:

January 10, 2007

Calibrated:

April 27, 2017

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3600

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|--|----------|----------|----------|-----------|
| Norm (μV/(V/m) ²) ^A | 0.51 | 0.49 | 0.38 | ± 10.1 % |
| DCP (mV) ^B | 98.2 | 96.9 | 98.6 | |

Modulation Calibration Parameters

| UID | Communication System Name | | A dB | B dB√μV | С | D dB | VR mV | Unc ^E (k=2) |
|-----|---------------------------|---|---------|------------|-----|---------|----------|---------------------------|
| 0 | CW | Х | 0.0 | 0.0 | 1.0 | 0.00 | 128.6 | ±3.3 % |
| | | Υ | 0.0 | 0.0 | 1.0 | _ | 128.2 | |
| | | Z | 0.0 | 0.0 | 1.0 | | 146.4 | |

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

| | C1 | C2 | α | T1 | T2 | Т3 | T4 | T5 | T6 |
|---|-------|-------|-----------------|--------------------|--------|-------|-------|-------|-------|
| | fF | fF | V ⁻¹ | ms.V ⁻² | ms.V⁻¹ | ms | V⁻² | V-1 | |
| X | 49.47 | 372.4 | 36.05 | 22.00 | 0.168 | 5.100 | 0.000 | 0.570 | 1.008 |
| Y | 54.90 | 416.1 | 36.34 | 21.28 | 0.857 | 5.095 | 0.049 | 0.644 | 1.010 |
| Z | 48.84 | 366.8 | 35.84 | 23.15 | 0.560 | 5.100 | 0.322 | 0.525 | 1.008 |

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%.

^B Numerical linearization parameter: uncertainty not required.

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

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3600

Calibration Parameter Determined in Head Tissue Simulating Media

| | Relative | Conductivity | | | | Г | Depth ^G | Unc |
|----------------------|---------------------------|--------------------|---------|---------|---------|--------------------|--------------------|----------|
| f (MHz) ^C | Permittivity ^F | (S/m) ^F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | (mm) | (k=2) |
| 150 | 52.3 | 0.76 | 9.58 | 9.58 | 9.58 | 0.00 | 1.00 | ± 13.3 % |
| 450 | 43.5 | 0.87 | 9.49 | 9.49 | 9.49 | 0.15 | 1.20 | ± 13.3 % |
| 835 | 41.5 | 0.90 | 8.39 | 8.39 | 8.39 | 0.54 | 0.80 | ± 12.0 % |
| 900 | 41.5 | 0.97 | 8.25 | 8.25 | 8.25 | 0.47 | 0.80 | ± 12.0 % |
| 1640 | 40.2 | 1.31 | 7.34 | 7.34 | 7.34 | 0.29 | 0.80 | ± 12.0 % |
| 1810 | 40.0 | 1.40 | 7.08 | 7.08 | 7.08 | 0.31 | 0.86 | ± 12.0 % |
| 2450 | 39.2 | 1.80 | 6.44 | 6.44 | 6.44 | 0.31 | 0.84 | ± 12.0 % |
| 5250 | 35.9 | 4.71 | 4.55 | 4.55 | 4.55 | 0.35 | 1.80 | ± 13.1 % |
| 5600 | 35.5 | 5.07 | 4.25 | 4.25 | 4.25 | 0.40 | 1.80 | ± 13.1 % |
| 5750 | 35.4 | 5.22 | 4.31 | 4.31 | 4.31 | 0.40 | 1.80 | ± 13.1 % |

^c Frequency validity above 300 MHz of \pm 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to \pm 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is \pm 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to \pm 110 MHz.

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

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3600

Calibration Parameter Determined in Body Tissue Simulating Media

| f (MHz) ^C | Relative Permittivity ^F | Conductivity (S/m) F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k=2) |
|----------------------|---------------------------------------|----------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 150 | 61.9 | 0.80 | 9.25 | 9.25 | 9.25 | 0.00 | 1.00 | ± 13.3 % |
| 450 | 56.7 | 0.94 | 9.22 | 9.22 | 9.22 | 0.08 | 1.20 | ± 13.3 % |
| 835 | 55.2 | 0.97 | 8.22 | 8.22 | 8.22 | 0.49 | 0.80 | ± 12.0 % |
| 900 | 55.0 | 1.05 | 8.13 | 8.13 | 8.13 | 0.45 | 0.80 | ± 12.0 % |
| 1640 | 53.7 | 1.42 | 7.33 | 7.33 | 7.33 | 0.33 | 0.95 | ± 12.0 % |
| 1810 | 53.3 | 1.52 | 6.83 | 6.83 | 6.83 | 0.45 | 0.80 | ± 12.0 % |
| 2450 | 52.7 | 1.95 | 6.56 | 6.56 | 6.56 | 0.31 | 0.93 | ± 12.0 % |
| 5250 | 48.9 | 5.36 | 4.18 | 4.18 | 4.18 | 0.40 | 1.90 | ± 13.1 % |
| 5600 | 48.5 | 5.77 | 3.55 | 3.55 | 3.55 | 0.45 | 1.90 | ± 13.1 % |
| 5750 | 48.3 | 5.94 | 3.72 | 3.72 | 3.72 | 0.50 | 1.90 | ± 13.1 % |

 $^{^{\}rm C}$ Frequency validity above 300 MHz of \pm 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to \pm 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is \pm 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to \pm 110 MHz.

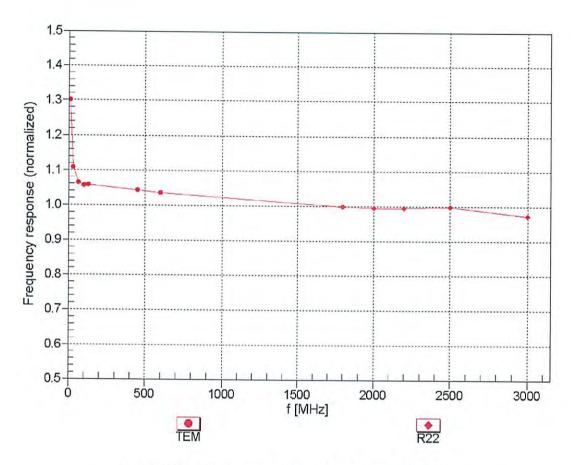
yalidity can be extended to ± 110 MHz.

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

the ConvF uncertainty for indicated target tissue parameters.

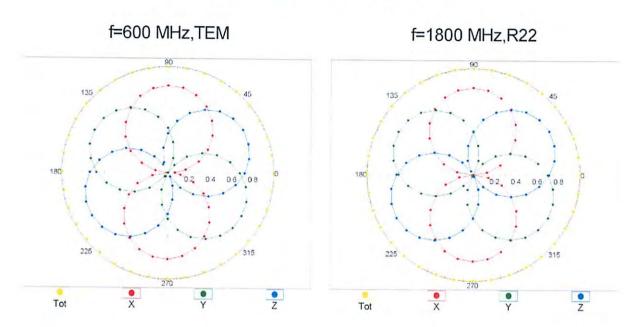
Galpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

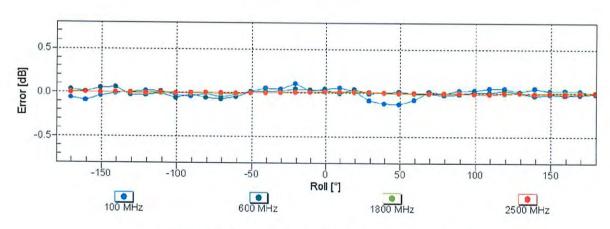
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

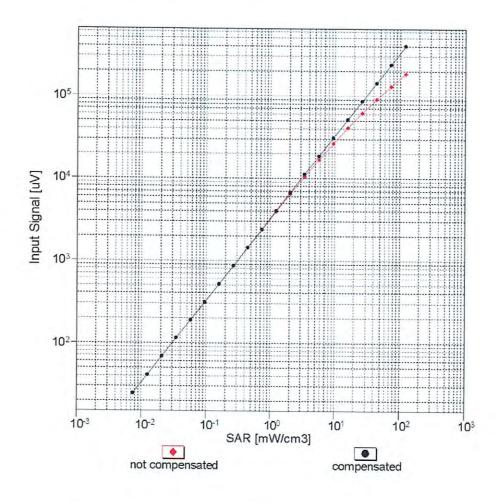
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

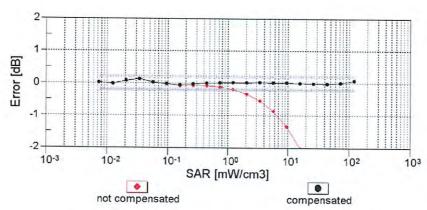




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

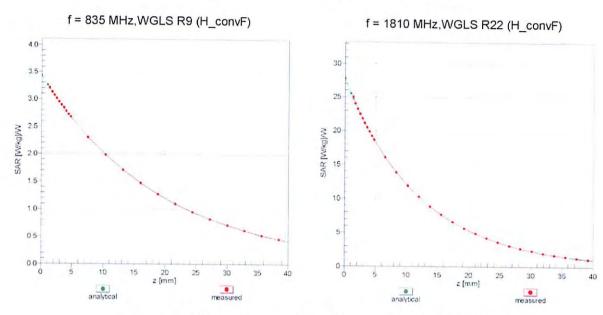
Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



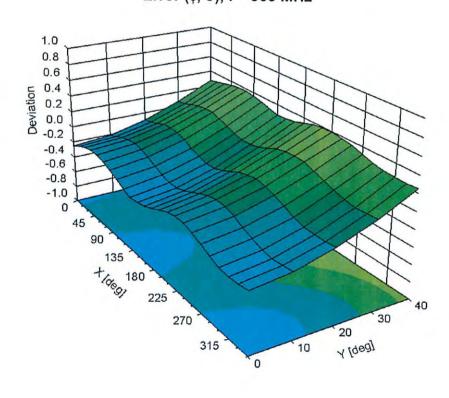


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



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



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DASY/EASY - Parameters of Probe: EX3DV4 - SN:3600

Other Probe Parameters

| Sensor Arrangement | Triangular |
|---|------------|
| Connector Angle (°) | 69.2 |
| Mechanical Surface Detection Mode | enabled |
| Optical Surface Detection Mode | disabled |
| Probe Overall Length | 337 mm |
| Probe Body Diameter | 10 mm |
| Tip Length | 9 mm |
| Tip Diameter | 2.5 mm |
| Probe Tip to Sensor X Calibration Point | 1 mm |
| Probe Tip to Sensor Y Calibration Point | 1 mm |
| Probe Tip to Sensor Z Calibration Point | 1 mm |
| Recommended Measurement Distance from Surface | 1.4 mm |

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April 27, 2017

Appendix: Modulation Calibration Parameters

| ÚÍĎ | ix: Modulation Calibration Paral Communication System Name | T | A | В | С | D | VR | BAGG |
|---------------|--|---|----------------|-----------------|----------------|--------------|--------------|----------------------------------|
| 0.5 | Johnnameation System Name | | dB | dB√μV | | dB | mV | Max Unc ^E (k=2) |
| 0 | CW | X | 0.00 | 0.00 | 1.00 | 0.00 | 128.6 | ± 3.3 % |
| | | Y | 0.00 | 0.00 | 1.00 | | 128.2 | |
| | | Z | 0.00 | 0.00 | 1.00 | | 146.4 | |
| 10010- CAA | SAR Validation (Square, 100ms, 10ms) | Х | 4.34 | 73.25 | 13.43 | 10.00 | 20.0 | ± 9.6 % |
| | | Υ | 6.79 | 78.69 | 16.76 | | 20.0 | |
| | | Z | 10.12 | 82.86 | 17.73 | | 20.0 | |
| 10011- CAB | UMTS-FDD (WCDMA) | Х | 0.98 | 66.15 | 14.48 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 0.89 | 63.71 | 12.76 | | 150.0 | |
| 40040 | 1555 000 441 100510 4 044 45000 4 | Z | 0.93 | 64.83 | 13.60 | | 150.0 | |
| 10012- CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) | X | 1.19 | 63.82 | 15.12 | 0.41 | 150.0 | ± 9.6 % |
| | | Y | 1.16 | 62.58 | 13.99 | | 150.0 | |
| 40040 | 1555 000 44 14051 0 1 1005 | Z | 1.19 | 63.36 | 14.64 | <u> </u> | 150.0 | |
| 10013- CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps) | X | 4.92 | 66.70 | 17.15 | 1.46 | 150.0 | ± 9.6 % |
| | | Υ | 4.96 | 66.40 | 16.87 | | 150.0 | |
| 10001 | | Z | 4.93 | 66.65 | 17.05 | | 150.0 | |
| 10021- DAC | GSM-FDD (TDMA, GMSK) | X | 100.00 | 115.56 | 27.91 | 9.39 | 50.0 | ± 9.6 % |
| | | Y | 100.00 | 119.60 | 30.60 | | 50.0 | |
| | | Z | 100.00 | 118.33 | 29.81 | | 50.0 | |
| 10023- DAC | GPRS-FDD (TDMA, GMSK, TN 0) | Х | 100.00 | 115.20 | 27.77 | 9.57 | 50.0 | ± 9.6 % |
| - | | Υ | 100.00 | 119.42 | 30.56 | | 50.0 | |
| 10001 | | Z | 100.00 | 118.06 | 29.73 | | 50.0 | |
| 10024- DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | × | 100.00 | 114.21 | 26.60 | 6.56 | 60.0 | ± 9.6 % |
| | | Υ | 100.00 | 116.79 | 28.33 | | 60.0 | |
| | | Z | 100.00 | 116.13 | 27.94 | | 60.0 | - |
| 10025- DAC | EDGE-FDD (TDMA, 8PSK, TN 0) | X | 9.92 | 101.04 | 41.89 | 12.57 | 50.0 | ± 9.6 % |
| | | Y | 4.05 | 66.92 | 23.91 | | 50.0 | |
| 40000 | FDOE FDD (TDMA OBOX TWO A) | Z | 6.25 | 81.89 | 32.38 | | 50.0 | |
| 10026- DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1) | X | 21.43 | 115.06 | 41.26 | 9.56 | 60.0 | ± 9.6 % |
| | | Y | 10.93 | 93.58 | 32.84 | | 60.0 | |
| | | Z | 16.09 | 104.92 | 37.31 | | 60.0 | |
| 10027- DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | X | 100.00 | 114.76 | 26.24 | 4.80 | 80.0 | ± 9.6 % |
| | | Y | 100.00 | 115.97 | 27.21 | | 80.0 | |
| | | Z | 100.00 | 116.00 | 27.19 | | 80.0 | |
| 10028- DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) | X | 100.00 | 116.29 | 26.31 | 3.55 | 100.0 | ± 9.6 % |
| | | Y | 100.00 | 116.00 | 26.54 | ļ | 100.0 | <u></u> |
| 10055 | FROM FROM (TRAIN ASSESSMENT) | Z | 100.00 | 116.87 | 26.93 | | 100.0 | |
| 10029- DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2) | X | 9.51 | 93.33 | 32.37 | 7.80 | 80.0 | ± 9.6 % |
| | | Y | 7.35 | 84.46 | 28.18 | | 80.0 | |
| 10030- CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1) | X | 8.87 100.00 | 89.90 112.79 | 30.64 25.62 | 5.30 | 80.0 70.0 | ± 9.6 % |
| <u> </u> | | Y | 100.00 | 114.82 | 27.00 | | 70.0 | - |
| | | Z | 100.00 | 114.42 | 26.76 | - | 70.0 | |
| 10031- CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3) | X | 100.00 | 115.72 | 24.80 | 1.88 | 100.0 | ± 9.6 % |
| | 1 | 1 | | | | | | |
| <u> </u> | | Y | 100.00 | 113.38 | 24.09 | | 100.0 | |

| 10032- | IEEE 802.15.1 Bluetooth (GFSK, DH5) | Х | 100.00 | 120.41 | 25.79 | 1.17 | 100.0 | ± 9.6 % |
|---------------|---|-----------|--------|--------|-------|-------|-------|---------|
| CAA | | | | | | | | |
| | | Y | 100.00 | 114.16 | 23.51 | | 100.0 | |
| 40000 | IFFE 000 45 4 PL + H /PV4 P 0 POV | Z | 100.00 | 119.12 | 25.59 | | 100.0 | |
| 10033- CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) | Х | 100.00 | 129.47 | 35.05 | 5.30 | 70.0 | ± 9.6 % |
| | | Y | 18.38 | 101.08 | 27.98 | | 70.0 | |
| 10024 | IEEE 000 45 4 Physical Physics POPON | Z | 81.90 | 124.60 | 33.79 | | 70.0 | |
| 10034- CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) | X | 6.64 | 87.84 | 22.13 | 1.88 | 100.0 | ± 9.6 % |
| | | Y | 3.00 | 75.57 | 17.88 | | 100.0 | |
| 10035- | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, | Z | 4.74 | 82.07 | 20.06 | 4.4- | 100.0 | |
| CAA | DH5) | | 2.97 | 77.58 | 18.32 | 1.17 | 100.0 | ± 9.6 % |
| | | Z | 1.90 | 70.39 | 15.43 | | 100.0 | |
| 10036- | IEEE 802.15.1 Bluetooth (8-DPSK, DH1) | <u>~</u> | 2.48 | 74.29 | 16.88 | 5.00 | 100.0 | |
| CAA | ille ooz. 13.1 Bidelootti (8-DPSK, DR1) | | 100.00 | 129.89 | 35.25 | 5.30 | 70.0 | ± 9.6 % |
| | | Y | 27.68 | 108.02 | 30.00 | | 70.0 | |
| 10037- | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Z | 100.00 | 128.17 | 34.71 | 4.00 | 70.0 | 1000 |
| CAA | ILLE 002.13.1 Diuelouii (6-DPSK, DH3) | X | 6.03 | 86.58 | 21.70 | 1.88 | 100.0 | ± 9.6 % |
| | | Y | 2.87 | 75.04 | 17.64 | | 100.0 | |
| 10038- | IEEE 802.15.1 Bluetooth (8-DPSK, DH5) | Z | 4.39 | 81.10 | 19.69 | | 100.0 | |
| CAA | TEEE 802. 13.1 Bluetootti (8-DFSK, DHS) | X | 3.02 | 78.09 | 18.62 | 1.17 | 100.0 | ± 9.6 % |
| | | Y | 1.91 | 70.64 | 15.63 | | 100.0 | |
| 10039- | CDMA2000 (1xRTT, RC1) | Z | 2.51 | 74.67 | 17.13 | | 100.0 | |
| CAB | CDIVIAZUUU (TXRTT, RCT) | Х | 1.60 | 69.78 | 14.71 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 1.37 | 66.49 | 13.17 | | 150.0 | |
| 10040 | 10 54 / 10 400 500 / 70144 / 5014 514 | Z | 1.42 | 67.90 | 13.72 | | 150.0 | |
| 10042- CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate) | Х | 100.00 | 111.15 | 25.33 | 7.78 | 50.0 | ± 9.6 % |
| | | Υ | 100.00 | 114.74 | 27.58 | | 50.0 | |
| 40044 | 10.04/514/514 550 500 (50) | Z | 100.00 | 113.75 | 27.01 | | 50.0 | |
| 10044- CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM) | X | 0.00 | 95.22 | 3.63 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 0.04 | 107.19 | 11.02 | | 150.0 | |
| 10010 | | Z | 0.00 | 92.83 | 6.31 | | 150.0 | |
| 10048- CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | × | 184.96 | 127.11 | 31.97 | 13.80 | 25.0 | ± 9.6 % |
| | | Υ | 100.00 | 122.15 | 33.13 | | 25.0 | |
| 10010 | DECT (TDD TDLLL CTC) | <u> Z</u> | 100.00 | 121.24 | 32.28 | | 25.0 | |
| 10049- CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | × | 100.00 | 114.31 | 27.52 | 10.79 | 40.0 | ± 9.6 % |
| | | Υ | 100.00 | 119.49 | 30.89 | | 40.0 | |
| 10056- | LIMTS TOD (TO CODIAL 1001) | Z | 100.00 | 117.79 | 29.83 | | 40.0 | |
| CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps) | × | 100.00 | 126.62 | 34.76 | 9.03 | 50.0 | ± 9.6 % |
| | | Y | 32.10 | 107.16 | 30.32 | | 50.0 | |
| 10058- | EDGE EDD (TDMA ODOK THE COS | Z | 100.00 | 125.89 | 34.80 | | 50.0 | |
| DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | Х | 6.41 | 84.14 | 27.94 | 6.55 | 100.0 | ± 9.6 % |
| | | Y | 5.65 | 79.23 | 25.29 | | 100.0 | |
| 10059- | JEEE 902 44b WEE: 0 4 OU 12000 5 | Z | 6.33 | 82.53 | 26.93 | | 100.0 | |
| CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) | Х | 1.27 | 65.30 | 15.95 | 0.61 | 110.0 | ± 9.6 % |
| | | Y | 1.22 | 63.72 | 14.64 | | 110.0 | |
| 10060- | IEEE 900 44h MIEI C 4 OU (DOOR T | Z | 1.27 | 64.75 | 15.42 | | 110.0 | |
| CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) | × | 100.00 | 135.81 | 35.03 | 1.30 | 110.0 | ± 9.6 % |
| | | _ | 3.70 | 84.73 | 21.19 | | 110.0 | |
| | | Z | 17.78 | 108.23 | 28.29 | | 110.0 | |

| 10061- CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) | X | 5.86 | 91.71 | 26.23 | 2.04 | 110.0 | ± 9.6 % |
|---------------|---|----|------|-------|-------|------|-------|----------|
| | | Y | 3.09 | 78.72 | 21.07 | | 110.0 | |
| | | Z | 4.57 | 85.89 | 23.93 | | 110.0 | |
| 10062- CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) | X | 4.70 | 66.60 | 16.49 | 0.49 | 100.0 | ± 9.6 % |
| | | Υ | 4.73 | 66.26 | 16.20 | | 100.0 | |
| | | Z | 4.70 | 66.51 | 16.37 | | 100.0 | |
| 10063- CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) | X | 4.73 | 66.72 | 16.61 | 0.72 | 100.0 | ± 9.6 % |
| | | Υ | 4.76 | 66.38 | 16.32 | | 100.0 | |
| | | Z | 4.72 | 66.63 | 16.49 | | 100.0 | |
| 10064- CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) | × | 5.02 | 67.01 | 16.87 | 0.86 | 100.0 | ± 9.6 % |
| | | Y | 5.08 | 66.72 | 16.60 | | 100.0 | |
| | | Z | 5.02 | 66.93 | 16.75 | | 100.0 | |
| 10065- CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps) | X | 4.90 | 66.95 | 17.00 | 1.21 | 100.0 | ± 9.6 % |
| | | Y | 4.95 | 66.67 | 16.73 | | 100.0 | |
| | | Z | 4.90 | 66.88 | 16.89 | | 100.0 | |
| 10066- CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps) | X | 4.92 | 67.00 | 17.19 | 1.46 | 100.0 | ± 9.6 % |
| | | Υ | 4.98 | 66.73 | 16.92 | | 100.0 | |
| | | Z | 4.93 | 66.94 | 17.09 | | 100.0 | |
| 10067- CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps) | X | 5.22 | 67.17 | 17.66 | 2.04 | 100.0 | ± 9.6 % |
| | | Y | 5.28 | 66.89 | 17.39 | | 100.0 | |
| | | Z | 5.24 | 67.15 | 17.57 | | 100.0 | |
| 10068- CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) | X | 5.28 | 67.30 | 17.94 | 2.55 | 100.0 | ± 9.6 % |
| | | Y | 5.37 | 67.09 | 17.69 | | 100.0 | |
| | | Z | 5.30 | 67.28 | 17.85 | | 100.0 | |
| 10069- CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) | X | 5.36 | 67.28 | 18.12 | 2.67 | 100.0 | ± 9.6 % |
| | | Y | 5.45 | 67.04 | 17.86 | | 100.0 | |
| | | Ż | 5.39 | 67.27 | 18.04 | | 100.0 | |
| 10071- CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps) | X | 5.02 | 66.82 | 17.49 | 1.99 | 100.0 | ± 9.6 % |
| | (2000:0:2:::,0:::::50) | TY | 5.07 | 66.54 | 17.22 | | 100.0 | |
| | | Ż | 5.04 | 66.80 | 17.40 | | 100.0 | <u> </u> |
| 10072- CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | X | 5.01 | 67.20 | 17.75 | 2.30 | 100.0 | ± 9.6 % |
| | (3000.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0. | Y | 5.08 | 66.93 | 17.47 | | 100.0 | |
| | | Ż | 5.04 | 67.19 | 17.66 | | 100.0 | |
| 10073- CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | X | 5.08 | 67.40 | 18.12 | 2.83 | 100.0 | ± 9.6 % |
| | | Υ | 5.15 | 67.13 | 17.83 | | 100.0 | |
| | | Z | 5.12 | 67.41 | 18.04 | | 100.0 | |
| 10074- CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | Х | 5.06 | 67.32 | 18.30 | 3.30 | 100.0 | ± 9.6 % |
| | | Y | 5.14 | 67.07 | 18.03 | | 100.0 | <u> </u> |
| | | Z | 5.12 | 67.36 | 18.24 | | 100.0 | |
| 10075- CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | Х | 5.11 | 67.49 | 18.67 | 3.82 | 90.0 | ± 9.6 % |
| | | Y | 5.21 | 67.31 | 18.42 | | 90.0 | |
| - | | Z | 5.18 | 67.57 | 18.61 | | 90.0 | |
| 10076- CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | Х | 5.11 | 67.25 | 18.78 | 4.15 | 90.0 | ± 9.6 % |
| | | Y | 5.21 | 67.06 | 18.51 | | 90.0 | İ |
| | | Z | 5.19 | 67.36 | 18.74 | | 90.0 | |
| | IEEE 000 44~ \MIE: 0 4 CH- | X | 5.13 | 67.31 | 18.88 | 4.30 | 90.0 | ± 9.6 % |
| 10077- CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | ^ | | | | 1 | | |
| 10077- CAB | (DSSS/OFDM, 54 Mbps) | Y | 5.23 | 67.11 | 18.60 | - | 90.0 | |

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| 10081- CAB | CDMA2000 (1xRTT, RC3) | Х | 0.79 | 64.69 | 11.87 | 0.00 | 150.0 | ± 9.6 % |
|---------------|---|----|--------|----------------|----------------|----------|----------------|---------|
| | | Y | 0.74 | 62.88 | 10.84 | | 150.0 | |
| | | Z | 0.74 | 63.63 | 11.17 | <u> </u> | 150.0 | |
| 10082- CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fulirate) | Х | 0.87 | 60.00 | 4.88 | 4.77 | 80.0 | ± 9.6 % |
| | | ΙÝ | 0.98 | 60.00 | 5.43 | | 80.0 | |
| | | Z | 0.98 | 60.00 | 5.33 | | 80.0 | |
| 10090- DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | Х | 100.00 | 114.25 | 26.64 | 6.56 | 60.0 | ± 9.6 % |
| | | Y | 100.00 | 116.84 | 28.38 | | 60.0 | |
| | | Z | 100.00 | 116.18 | 27.98 | | 60.0 | |
| 10097- CAB | UMTS-FDD (HSDPA) | X | 1.77 | 66.86 | 15.19 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 1.66 | 65.10 | 14.06 | | 150.0 | |
| | | Z | 1.72 | 66.07 | 14.64 | | 150.0 | |
| 10098- CAB | UMTS-FDD (HSUPA, Subtest 2) | Х | 1.74 | 66.81 | 15.15 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 1.62 | 65.02 | 14.00 | | 150.0 | |
| | | Z | 1.68 | 66.00 | 14.60 | | 150.0 | |
| 10099- DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | X | 21.77 | 115.42 | 41.36 | 9.56 | 60.0 | ± 9.6 % |
| | | Y | 10.99 | 93.70 | 32.88 | | 60.0 | |
| | | Z | 16.24 | 105.11 | 37.37 | | 60.0 | |
| 10100- CAD | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | X | 3.06 | 69.68 | 16.31 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.87 | 68.12 | 15.32 | | 150.0 | |
| 10101 | | Z | 2.94 | 68.91 | 15.86 | | 150.0 | - |
| 10101- CAD | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | X | 3.22 | 67.20 | 15.71 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 3.16 | 66.42 | 15.11 | | 150.0 | |
| | | Z | 3.17 | 66.83 | 15.43 | | 150.0 | |
| 10102- CAD | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | Х | 3.33 | 67.18 | 15.81 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 3.28 | 66.45 | 15.25 | | 150.0 | |
| | | Z | 3.28 | 66.84 | 15.55 | | 150.0 | |
| 10103- CAD | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | X | 7.53 | 78.63 | 21.76 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 7.21 | 76.77 | 20.79 | | 65.0 | |
| | | Z | 7.93 | 78.90 | 21.74 | | 65.0 | |
| 10104- CAD | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | Х | 7.28 | 76.36 | 21.68 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 7.04 | 74.69 | 20.73 | | 65.0 | |
| | | z | 7.36 | 75.96 | 21.36 | | 65.0 | |
| 10105- CAD | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | X | 6.49 | 74.01 | 20.98 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 6.79 | 73.93 | 20.72 | | 65.0 | |
| 40400 | LITE EDD (OR THE LITE | Z | 7.19 | 75.46 | 21.47 | | 65.0 | |
| 10108- CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | Х | 2.67 | 68.90 | 16.12 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.54 | 67.35 | 15.10 | | 150.0 | |
| 40465 | | Z | 2.58 | 68.13 | 15.65 | | 150.0 | |
| 10109- CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | X | 2.88 | 66.99 | 15.58 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.83 | 66.10 | 14.94 | | 150.0 | |
| 40440 | LTE FOR (SO TEXAS | Z | 2.83 | 66.57 | 15.27 | | 150.0 | · |
| 10110- CAE | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | X | 2.17 | 67.95 | 15.70 | 0.00 | 150.0 | ± 9.6 % |
| | 1 | Y | 2.06 | 66.30 | 14.62 | | 150.0 | |
| | | | | | | | | |
| 40444 | | Z | 2.09 | 67.13 | 15.17 | | 150.0 | |
| 10111- CAE | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | X | | 67.13 67.58 | 15.17 15.76 | 0.00 | 150.0 150.0 | ± 9.6 % |
| | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | Z | 2.09 | | | 0.00 | | ± 9.6 % |

| 10112- | LTE-FDD (SC-FDMA, 100% RB, 10 | X | 3.00 | 66.99 | 15.65 | 0.00 | 150.0 | +069/ |
|---------------|--|---|--------------|----------------|----------------|--|----------------|---------|
| CAE | MHz, 64-QAM) | ^ | 3.00 | 00.55 | 15.05 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.96 | 66.16 | 15.05 | | 150.0 | |
| | | Z | 2.96 | 66.61 | 15.36 | | 150.0 | |
| 10113- CAE | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | X | 2.72 | 67.73 | 15.90 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.65 | 66.58 | 15.19 | | 150.0 | |
| 40444 | | Z | 2.67 | 67.25 | 15.55 | | 150.0 | |
| 10114- CAB | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) | X | 5.13 | 67.06 | 16.34 | 0.00 | 150.0 | ± 9.6 % |
| | <u> </u> | Y | 5.13 5.11 | 66.71 66.94 | 16.03 16.21 | - | 150.0 | |
| 10115- CAB | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | X | 5.43 | 67.23 | 16.44 | 0.00 | 150.0 150.0 | ± 9.6 % |
| | | Y | 5.49 | 67.04 | 16.22 | | 150.0 | |
| | | Ζ | 5.41 | 67.11 | 16.31 | | 150.0 | |
| 10116- CAB | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | Х | 5.23 | 67.27 | 16.37 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 5.24 | 66.95 | 16.08 | | 150.0 | |
| | | Z | 5.21 | 67.13 | 16.24 | | 150.0 | |
| 10117- CAB | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | X | 5.10 | 66.94 | 16.30 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.12 | 66.66 | 16.03 | | 150.0 | |
| 40440 | 1555 000 44= (UTA6:+ 04 Mb 40 | Z | 5.08 | 66.82 | 16.16 | 0.00 | 150.0 | |
| 10118- CAB | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | X | 5.52 | 67.44 | 16.55 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.56 | 67.20 | 16.31 | | 150.0 | |
| 10119- | IEEE 802.11n (HT Mixed, 135 Mbps, 64- | Z | 5.49 5.20 | 67.31 67.20 | 16.42 | 0.00 | 150.0 | +06% |
| CAB | QAM) | | | | 16.35 | 0.00 | 150.0 | ± 9.6 % |
| | | Z | 5.22 5.18 | 66.89 67.08 | 16.06 16.22 | | 150.0 150.0 | |
| 10140- CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | X | 3.36 | 67.19 | 15.74 | 0.00 | 150.0 | ± 9.6 % |
| O/ ND | 10 30 117) | Y | 3.32 | 66.47 | 15.19 | | 150.0 | |
| | | Ż | 3.32 | 66.85 | 15.48 | | 150.0 | |
| 10141- CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | X | 3.49 | 67.29 | 15.91 | 0.00 | 150.0 | ± 9.6 % |
| - | | Υ | 3.45 | 66.59 | 15.38 | | 150.0 | |
| | | Z | 3.45 | 66.97 | 15.66 | | 150.0 | |
| 10142- CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | X | 1.94 | 67.79 | 15.30 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 1.83 | 65.97 | 14.20 | | 150.0 | |
| 10143- CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | X | 1.85 2.40 | 66.87 68.10 | 14.71 15.40 | 0.00 | 150.0 150.0 | ± 9.6 % |
| <u> </u> | 15 Sp urij | Y | 2.30 | 66.60 | 14.59 | | 150.0 | |
| | | Z | 2.32 | 67.42 | 14.94 | | 150.0 | |
| 10144- CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | X | 2.22 | 66.14 | 13.96 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.18 | 65.11 | 13.40 | | 150.0 | |
| | | Z | 2.16 | 65.61 | 13.57 | | 150.0 | |
| 10145- CAE | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | X | 1.20 | 64.54 | 11.58 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 1.20 | 63.64 | 11.28 | | 150.0 | |
| 10146- | LTE-FDD (SC-FDMA, 100% RB, 1.4 | X | 1.15 2.00 | 63.81 66.51 | 11.07 12.15 | 0.00 | 150.0 150.0 | ± 9.6 % |
| CAE | MHz, 16-QAM) | | | | 4 | ļ | 1==== | |
| | | Y | 2.20 | 66.98 | 12.79 | | 150.0 | |
| 10147 | LTE EDD (SC EDMA 4009/ PD 4.4 | Z | 1.94 2.35 | 65.93 68.52 | 11.72 13.24 | 0.00 | 150.0 150.0 | ± 9.6 % |
| 10147- CAE | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | | | | | 0.00 | | 1 9.0 % |
| _ | | Y | 2.55 | 68.94 | 13.87 | | 150.0 | |
| | | Z | 2.24 | 67.67 | 12.70 | L | 150.0 | l |

| 10149- CAD | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | X | 2.88 | 67.04 | 15.63 | 0.00 | 150.0 | ± 9.6 % |
|---------------|--|---|----------|-------|-------|--|-------|--|
| | | Y | 2.83 | 66.15 | 14.98 | | 150.0 | |
| | | Ż | 2.84 | 66.62 | 15.31 | | 150.0 | <u> </u> |
| 10150- CAD | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | X | 3.01 | 67.04 | 15.69 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.96 | 66.20 | 15.08 | | 150.0 | |
| | | Z | 2.96 | 66.66 | 15.40 | | 150.0 | |
| 10151- CAD | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | Х | 8.73 | 82.80 | 23.45 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 7.53 | 78.91 | 21.73 | | 65.0 | |
| | | Z | 8.49 | 81.56 | 22.84 | | 65.0 | |
| 10152- CAD | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | Х | 6.88 | 76.62 | 21.52 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 6.57 | 74.62 | 20.46 | | 65.0 | |
| 10170 | | Z | 6.93 | 76.10 | 21.14 | | 65.0 | |
| 10153- CAD | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | × | 7.30 | 77.59 | 22.28 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 6.97 | 75.60 | 21.25 | | 65.0 | |
| 40451 | | Z | 7.37 | 77.12 | 21.93 | | 65.0 | |
| 10154- CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | × | 2.21 | 68.31 | 15.93 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.10 | 66.64 | 14.84 | | 150.0 | |
| 40455 | | Z | 2.13 | 67.47 | 15.39 | | 150.0 | |
| 10155- CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | × | 2.57 | 67.59 | 15.77 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.50 | 66.37 | 15.01 | | 150.0 | |
| 10170 | | Z | 2.51 | 67.06 | 15.40 | | 150.0 | |
| 10156- CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | Х | 1.78 | 67.76 | 15.05 | 0.00 | 150.0 | ±9.6 % |
| | | Υ | 1.67 | 65.83 | 13.92 | | 150.0 | |
| | | Z | 1.69 | 66.74 | 14.41 | | 150.0 | |
| 10157- CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | X | 2.04 | 66.56 | 13.93 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 1.98 | 65.30 | 13.29 | _ | 150.0 | |
| | | Z | 1.97 | 65.89 | 13.47 | | 150.0 | |
| 10158- CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | X | 2.73 | 67.79 | 15.94 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.66 | 66.63 | 15.23 | | 150.0 | |
| | | Z | 2.67 | 67.30 | 15.59 | | 150.0 | |
| 10159- CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | Х | 2.14 | 66.97 | 14.19 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.08 | 65.69 | 13.56 | | 150.0 | |
| 40400 | | Z | 2.07 | 66.29 | 13.74 | | 150.0 | |
| 10160- CAD | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | X | 2.70 | 68.08 | 15.96 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.59 | 66.76 | 15.07 | | 150.0 | |
| 40404 | LTC CDD (00 TTC) | Z | 2.62 | 67.46 | 15.55 | | 150.0 | |
| 10161- CAD | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | Х | 2.90 | 66.96 | 15.61 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.86 | 66.09 | 15.00 | | 150.0 | |
| 10100 | LTC CDD (00 CD) | Z | 2.86 | 66.57 | 15.31 | | 150.0 | |
| 10162- CAD | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | X | 3.01 | 67.11 | 15.72 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.97 | 66.22 | 15.11 | | 150.0 | |
| 10166- | LITE EDD (SC EDMA 500) DD 4 4 500 | Z | 2.97 | 66.73 | 15.43 | | 150.0 | |
| CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | X | 3.58 | 69.08 | 18.90 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 3.66 | 68.62 | 18.52 | | 150.0 | |
| 10167 | LTE EDD (00 ED) (1 | Z | 3.57 | 68.93 | 18.72 | | 150.0 | |
| 10167- CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | Х | 4.32 | 71.62 | 19.24 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 4.44 | 71.05 | 18.84 | | 150.0 | |
| | | Z | 4.33 | | | | | |

| 10168- CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | Х | 4.72 | 73.57 | 20.43 | 3.01 | 150.0 | ± 9.6 % |
|---------------|--|---|-----------|--------|-------|------------|-------|-------------|
| | | Y | 4.88 | 73.09 | 20.10 | | 150.0 | |
| | | Z | 4.77 | 73.65 | 20.36 | | 150.0 | |
| 10169- CAD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | X | 2.98 | 68.46 | 18.63 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 3.13 | 68.48 | 18.40 | | 150.0 | |
| | | Z | 2.99 | 68.40 | 18.47 | | 150.0 | |
| 10170- CAD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | X | 3.89 | 73.35 | 20.55 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 4.19 | 73.57 | 20.42 | | 150.0 | |
| 10171 | 1.75 5DD (00 5D144 4 5D 00 4 1) | Z | 3.99 | 73.62 | 20.53 | | 150.0 | |
| 10171- AAD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | X | 3.31 | 69.97 | 18.14 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 3.49 | 69.74 | 17.80 | | 150.0 | |
| 40470 | LITE TOD (OO FOLM) A DD COAN | Z | 3.34 | 69.93 | 17.97 | | 150.0 | |
| 10172- CAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | X | 11.55 | 97.77 | 31.19 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 11.40 | 94.31 | 29.41 | | 65.0 | <u> </u> |
| 40450 | LITE TOD (OO FOLK) | Z | 16.01 | 102.73 | 32.36 | ļ <u>.</u> | 65.0 | |
| 10173- CAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | X | 32.34 | 112.09 | 33.30 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 19.08 | 99.88 | 29.45 | | 65.0 | |
| | | Z | 28.90 | 108.74 | 32.12 | _ | 65.0 | |
| 10174- CAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | × | 19.17 | 101.17 | 29.63 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 12.62 | 91.53 | 26.38 | | 65.0 | |
| | | Z | 23.83 | 103.74 | 30.12 | | 65.0 | |
| 10175- CAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | X | 2.95 | 68.20 | 18.41 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 3.09 | 68.16 | 18.15 | | 150.0 | |
| | | Z | 2.96 | 68.12 | 18.23 | | 150.0 | |
| 10176- CAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | X | 3.90 | 73.37 | 20.56 | 3.01 | 150.0 | ± 9.6 % |
| | | ~ | 4.19 | 73.59 | 20.43 | | 150.0 | |
| | | Z | 3.99 | 73.64 | 20.54 | | 150.0 | |
| 10177- CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | X | 2.97 | 68.33 | 18.49 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 3.12 | 68.32 | 18.26 | | 150.0 | |
| | | Z | 2.98 | 68.26 | 18.32 | | 150.0 | |
| 10178- CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | X | 3.86 | 73.19 | 20.45 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 4.14 | 73.34 | 20.29 | | 150.0 | |
| | | Z | 3.96 | 73.44 | 20.43 | | 150.0 | |
| 10179- CAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | × | 3.57 | 71.58 | 19.23 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 3.79 | 71.47 | 18.95 | | 150.0 | |
| | | Z | 3.63 | 71.65 | 19.12 | | 150.0 | |
| 10180- CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | × | 3.30 | 69.91 | 18.10 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 3.48 | 69.66 | 17.74 | | 150.0 | |
| | | Z | 3.33 | 69.86 | 17.92 | | 150.0 | |
| 10181- CAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | × | 2.96 | 68.32 | 18.49 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 3.11 | 68.30 | 18.25 | | 150.0 | |
| | | Z | 2.98 | 68.24 | 18.31 | | 150.0 | |
| 10182- CAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | × | 3.86 | 73.17 | 20.44 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 4.14 | 73.32 | 20.28 | | 150.0 | |
| | | Z | 3.95 | 73.42 | 20.42 | | 150.0 | |
| 10183- AAC | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | X | 3.29 | 69.89 | 18.09 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 3.47 | 69.64 | 17.73 | | 150.0 | |
| | | Z | 3.32 | 69.84 | 17.91 | | 150.0 | |

| 10184- | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, | X | 2.97 | 68.36 | 18.51 | 3.01 | 150.0 | ± 9.6 % |
|---------------|---|--------------|--------------|----------------|-------|----------|-------|---------|
| CAD | QPSK) | | | | | | '55.5 | - 5.5 % |
| | | Υ | 3.12 | 68.35 | 18.27 | | 150.0 | |
| 40405 | | Z | 2.99 | 68.28 | 18.34 | | 150.0 | |
| 10185- CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | X | 3.87 | 73.23 | 20.48 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 4.16 | 73.38 | 20.32 | | 150.0 | |
| 40400 | LTE FDD (OG FD) (A C DD G) | Z | 3.97 | 73.49 | 20.45 | | 150.0 | |
| 10186- AAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM) | X | 3.31 | 69.95 | 18.12 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 3.49 | 69.69 | 17.76 | | 150.0 | |
| 10187- | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, | Z | 2.98 | 69.90 | 17.95 | | 150.0 | |
| CAE | QPSK) | Y | | 68.40 | 18.56 | 3.01 | 150.0 | ± 9.6 % |
| | | Z | 3.13 3.00 | 68.38 | 18.32 | <u> </u> | 150.0 | |
| 10188- | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, | Z | 3.97 | 68.33 73.76 | 18.40 | 204 | 150.0 | |
| CAE | 16-QAM) | Y | | | 20.80 | 3.01 | 150.0 | ± 9.6 % |
| | | Z | 4.29 | 74.05 | 20.71 | <u> </u> | 150.0 | |
| 10189- | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, | Z | 4.08 3.37 | 74.08 | 20.80 | 2.04 | 150.0 | 1000 |
| AAE | 64-QAM) | ^ Y | | 70.31 | 18.37 | 3.01 | 150.0 | ± 9.6 % |
| | | Z | 3.56 | 70.09 | 18.03 | ļ | 150.0 | |
| 10193- | IEEE 802.11n (HT Greenfield, 6.5 Mbps, | X | 3.41 4.53 | 70.28 | 18.20 | 0.00 | 150.0 | |
| CAB | BPSK) | | | 66.46 | 16.04 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.54 | 66.08 | 15.74 | ļ | 150.0 | |
| 10194- | IEEE 802.11n (HT Greenfield, 39 Mbps, | X | 4.51 | 66.32 | 15.89 | | 150.0 | |
| CAB | 16-QAM) | | 4.70 | 66.77 | 16.16 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.72 | 66.42 | 15.86 | | 150.0 | |
| 10195- | IEEE 902 11p /UT Crossfold C5 Mb. | Z | 4.68 | 66.64 | 16.02 | | 150.0 | |
| CAB | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | X | 4.74 | 66.81 | 16.18 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.77 | 66.45 | 15.88 | | 150.0 | |
| 10196- | IEEE 802.11n (HT Mixed, 6.5 Mbps, | Z | 4.72 | 66.67 | 16.04 | | 150.0 | |
| CAB | BPSK) | X | 4.53 | 66.52 | 16.06 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.55 | 66.16 | 15.76 | | 150.0 | |
| 10197- | IEEE 000 445 (UTANICAL COAN) | Z | 4.51 | 66.38 | 15.91 | | 150.0 | |
| CAB | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | X | 4.71 | 66.80 | 16.17 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.74 | 66.44 | 15.87 | | 150.0 | |
| 10198- | IEEE 802.11n (HT Mixed, 65 Mbps, 64- | <u>Z</u> | 4.69 | 66.66 | 16.03 | | 150.0 | |
| CAB | QAM) | X | 4.74 | 66.82 | 16.19 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.77 | 66.46 | 15.89 | | 150.0 | |
| 10219- | IEEE 802.11n (HT Mixed, 7.2 Mbps, | Z | 4.72 | 66.69 | 16.05 | | 150.0 | |
| CAB | BPSK) | X | 4.48 | 66.53 | 16.01 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.50 | 66.15 | 15.72 | | 150.0 | |
| 10220- | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- | Z | 4.46 | 66.39 | 15.87 | | 150.0 | |
| CAB | QAM) | X | 4.71 | 66.77 | 16.16 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.74 | 66.43 | 15.87 | | 150.0 | |
| 10221- | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- | X | 4.69 | 66.63 | 16.02 | | 150.0 | |
| CAB | QAM) | | 4.75 | 66.75 | 16.18 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.78 | 66.41 | 15.88 | | 150.0 | |
| 10222- | IEEE 802.11n (HT Mixed, 15 Mbps, | Z | 4.73 | 66.62 | 16.04 | | 150.0 | |
| CAB | BPSK) | X | 5.08 | 66.95 | 16.29 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 5.10 | 66.67 | 16.02 | | 150.0 | |
| | <u> </u> | Ζ | 5.06 | 66.82 | 16.16 | | 150.0 | |

| 10223- CAB | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) | Х | 5.38 | 67.15 | 16.42 | 0.00 | 150.0 | ± 9.6 % |
|---------------|---|----------|----------------|------------------|----------------|--|--------------|--|
| | | Y | 5.42 | 66.92 | 16.18 | | 150.0 | |
| | | Ż | 5.36 | 67.04 | 16.29 | | 150.0 | |
| 10224- CAB | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | X | 5.12 | 67.06 | 16.27 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.14 | 66.77 | 16.00 | | 150.0 | |
| | | Z | 5.10 | 66.93 | 16.14 | | 150.0 | i |
| 10225- CAB | UMTS-FDD (HSPA+) | X | 2.79 | 65.81 | 15.12 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.77 | 65.08 | 14.64 | | 150.0 | |
| | | Z | 2.76 | 65.50 | 14.85 | | 150.0 | |
| 10226- CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | Х | 35.68 | 114.09 | 33.94 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 20.60 | 101.42 | 30.01 | | 65.0 | |
| 40007 | LTE TOD (OO FOLM) 4 DD 4 AAA | Z | 31.84 | 110.68 | 32.75 | | 65.0 | |
| 10227- CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | X | 31.15 | 109.62 | 32.04 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 18.77 | 98.35 | 28.54 | | 65.0 | |
| 40000 | LITE TOD (OO EDIA) A DO A CONTROL | Z | 28.39 | 106.83 | 31.05 | | 65.0 | |
| 10228- CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | X | 20.06 | 109.32 | 34.77 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 13.21 | 97.68 | 30.60 | | 65.0 | |
| 10000 | 1 | Z | 17.58 | 104.98 | 33.12 | | 65.0 | |
| 10229- CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | X | 32.55 | 112.18 | 33.33 | 6.02 | 65.0 | ± 9.6 % |
| | | _ | 19.22 | 99.99 | 29.50 | | 65.0 | |
| 40000 | 175 TDD (00 50144 4 DD 0144 04 | Z | 29.11 | 108.85 | 32.16 | | 65.0 | |
| 10230- CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | X | 28.53 | 107.93 | 31.50 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 17.56 | 97.07 | 28.07 | | 65.0 | <u> </u> |
| | | Z | 26.03 | 105.18 | 30.51 | | 65.0 | |
| 10231- CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | X | 18.75 | 107.81 | 34.25 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 12.53 | 96.52 | 30.15 | | 65.0 | |
| | | Z | 16.49 | 103.58 | 32.61 | | 65.0 | |
| 10232- CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | X | 32.52 | 112.18 | 33.33 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 19.19 | 99.97 | 29.49 | | 65.0 | |
| | | Z | 29.08 | 108.84 | 32.15 | | 65.0 | |
| 10233- CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | X | 28.47 | 107.91 | 31.49 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 17.52 | 97.05 | 28.07 | | 65.0 | |
| | | Z | 25.98 | 105.16 | 30.50 | | 65.0 | |
| 10234- CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | X | 17.68 | 106.40 | 33.71 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 11.95 | 95.43 | 29.69 | | 65.0 | |
| 40007 | | Z | 15.61 | 102.28 | 32.10 | 0.55 | 65.0 | 1000 |
| 10235- CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | X | 32.63 | 112.27 | 33.36 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 19.21 | 100.01 | 29.50 | | 65.0 | <u> </u> |
| 40000 | | Z | 29.15 | 108.90 | 32.17 | 0.00 | 65.0 | 1000 |
| 10236- CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | X | 28.97 | 108.18 | 31.56 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 17.70 | 97.20 | 28.11 | | 65.0 | |
| 10237- | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, | X | 26.35 18.87 | 105.38 107.98 | 30.56 34.30 | 6.02 | 65.0 65.0 | ± 9.6 % |
| CAD | QPSK) | Y | 12.55 | 96.59 | 30.17 | | 65.0 | |
| | | Z | 16.56 | 103.70 | 32.65 | | 65.0 | |
| 10238- CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | X | 32.49 | 112.18 | 33.33 | 6.02 | 65.0 | ± 9.6 % |
| CAD | I U-G(MIVI) | Y | 19.15 | 99.96 | 29.48 | | 65.0 | |
| | | Z | 29.04 | | | | | |
| | | <u> </u> | 25.04 | 108.83 | 32.15 | | 65.0 | L |

| 10239- | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, | Ιx | 28.40 | 107.89 | 24.40 | 6.00 | 65.0 | 1 . 0 0 00 |
|---------------|--|----------|-------|--------|-------|----------|------|--|
| CAD | 64-QAM) | ^ | 20.40 | 107.69 | 31.49 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 17.48 | 97.02 | 28.06 | | 65.0 | |
| | | Z | 25.91 | 105.13 | 30.50 | | 65.0 | |
| 10240- CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | X | 18.79 | 107.91 | 34.28 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 12.51 | 96.54 | 30.16 | | 65.0 | |
| 10241- | LTE TOD (OC FOMA FOR DO A AND | Z | 16.51 | 103.64 | 32.64 | <u> </u> | 65.0 | |
| CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | X | 9.37 | 84.09 | 26.88 | 6.98 | 65.0 | ± 9.6 % |
| | | Y | 9.00 | 81.48 | 25.58 | | 65.0 | |
| 10242- | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, | Z | 9.64 | 84.05 | 26.66 | | 65.0 | |
| CAA | 64-QAM) | X | 8.12 | 81.00 | 25.56 | 6.98 | 65.0 | ± 9.6 % |
| | | Y | 8.55 | 80.38 | 25.06 | | 65.0 | |
| 10243- | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, | Z | 9.37 | 83.46 | 26.36 | | 65.0 | |
| CAA | QPSK) | X | 6.40 | 77.14 | 24.85 | 6.98 | 65.0 | ± 9.6 % |
| | | Y | 6.84 | 76.95 | 24.45 | | 65.0 | <u> </u> |
| 10244- | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, | Z | 7.32 | 79.56 | 25.70 | 0.00 | 65.0 | |
| CAB | 16-QAM) | X | 8.16 | 80.65 | 20.72 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 7.84 | 79.38 | 20.61 | | 65.0 | |
| 10245- | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, | Z | 8.14 | 79.93 | 20.35 | | 65.0 | |
| CAB | 64-QAM) | X | 7.83 | 79.71 | 20.30 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 7.66 | 78.75 | 20.31 | | 65.0 | |
| 10246- | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, | Z | 7.84 | 79.07 | 19.96 | | 65.0 | |
| CAB | QPSK) | Х | 9.87 | 87.16 | 23.15 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 7.04 | 80.78 | 21.05 | | 65.0 | |
| 10247- | LTE TOD (CO FDAM 500) DD 5 MIL | Z | 8.70 | 84.28 | 22.05 | | 65.0 | |
| CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | X | 6.51 | 77.88 | 20.45 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 5.98 | 75.48 | 19.58 | | 65.0 | |
| 10248- | LITE TOD (CC FDMA 500) DD 5 MIL | Z | 6.46 | 77.04 | 19.99 | | 65.0 | |
| CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | X | 6.37 | 77.00 | 20.08 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 5.96 | 74.87 | 19.30 | | 65.0 | |
| 10249- | LTE TOD (CO FDMA 500) DD 5441 | Z | 6.35 | 76.24 | 19.64 | | 65.0 | |
| CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | × | 11.72 | 90.67 | 25.27 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 7.95 | 82.86 | 22.54 | | 65.0 | |
| 10250- | LITE TOD (SC FDMA 50% DD 40 AND | Z | 10.24 | 87.46 | 24.05 | | 65.0 | |
| CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | X | 7.35 | 79.99 | 22.89 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 6.77 | 77.28 | 21.67 | | 65.0 | |
| 10251- | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, | Z | 7.36 | 79.26 | 22.43 | | 65.0 | |
| CAD | 64-QAM) | X | 6.80 | 77.27 | 21.44 | 3.98 | 65.0 | ± 9.6 % |
| | | <u> </u> | 6.40 | 74.99 | 20.37 | | 65.0 | |
| 10252- | LTE-TOD (SC EDMA FOR DD 40 M | Z | 6.83 | 76.65 | 21.02 | | 65.0 | |
| CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | X | 10.21 | 87.88 | 25.28 | 3.98 | 65.0 | ±9.6 % |
| | | Y | 7.87 | 81.78 | 22.87 | | 65.0 | |
| 10253- | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, | Z | 9.51 | 85.69 | 24.35 | | 65.0 | |
| CAD | 16-QAM) | X | 6.68 | 75.93 | 21.23 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 6.40 | 74.02 | 20.23 | | 65.0 | |
| 10254- | LTE-TOD (SC EDMA 500) DD 45 100 | Z | 6.75 | 75.48 | 20.88 | | 65.0 | |
| CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | × | 7.07 | 76.85 | 21.92 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 6.78 | 74.95 | 20.95 | | 65.0 | |
| | | Ζ | 7.16 | 76.44 | 21.59 | | 65.0 | |

| 10055 | LITE TOD (CO FDIAL SON DO ASAUL | 1 | | | · | | | |
|---------------|--|---|-------|-------|-------|------|------|---------|
| 10255- CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | X | 8.17 | 81.88 | 23.35 | 3.98 | 65.0 | ± 9.6 % |
| | | 7 | 7.16 | 78.19 | 21.68 | | 65.0 | |
| 10050 | | Z | 8.02 | 80.77 | 22.77 | | 65.0 | |
| 10256- CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | X | 6.36 | 76.31 | 17.99 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 6.65 | 76.53 | 18.59 | | 65.0 | |
| | | Z | 6.39 | 75.76 | 17.71 | | 65.0 | |
| 10257- CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | X | 6.00 | 75.09 | 17.39 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 6.42 | 75.61 | 18.13 | | 65.0 | |
| | | Z | 6.07 | 74.65 | 17.16 | | 65.0 | |
| 10258- CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | X | 6.89 | 80.77 | 20.02 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 5.76 | 77.33 | 19.04 | | 65.0 | |
| | | Z | 6.39 | 78.86 | 19.25 | | 65.0 | |
| 10259- CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | X | 6.85 | 78.66 | 21.33 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 6.29 | 76.08 | 20.30 | | 65.0 | |
| | | Z | 6.82 | 77.85 | 20.86 | | 65.0 | |
| 10260- CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | X | 6.81 | 78.20 | 21.15 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 6.32 | 75.84 | 20.21 | | 65.0 | |
| | | Z | 6.80 | 77.46 | 20.71 | | 65.0 | |
| 10261- CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | X | 10.08 | 87.99 | 24.80 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 7.48 | 81.48 | 22.36 | | 65.0 | |
| | | Z | 9.21 | 85.51 | 23.77 | | 65.0 | |
| 10262- CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | X | 7.34 | 79.93 | 22.84 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 6.76 | 77.23 | 21.62 | | 65.0 | |
| | | Z | 7.35 | 79.20 | 22.39 | | 65.0 | |
| 10263- CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | X | 6.79 | 77.25 | 21.43 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 6.39 | 74.98 | 20.36 | | 65.0 | |
| | | Z | 6.82 | 76.63 | 21.02 | | 65.0 | |
| 10264- CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | Х | 10.08 | 87.62 | 25.17 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 7.79 | 81.58 | 22.77 | | 65.0 | |
| | | Z | 9.40 | 85.45 | 24.24 | | 65.0 | |
| 10265- CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | Х | 6.88 | 76.62 | 21.52 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 6.56 | 74.62 | 20.47 | | 65.0 | |
| | | Z | 6.93 | 76.10 | 21.15 | | 65.0 | |
| 10266- CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | X | 7.29 | 77.57 | 22.27 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 6.97 | 75.59 | 21.24 | | 65.0 | |
| | | Z | 7.36 | 77.10 | 21.92 | | 65.0 | |
| 10267- CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | Х | 8.71 | 82.74 | 23.43 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 7.52 | 78.86 | 21.71 | | 65.0 | |
| | | Z | 8.47 | 81.51 | 22.82 | | 65.0 | |
| 10268- CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | X | 7.37 | 76.01 | 21.65 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 7.17 | 74.48 | 20.77 | | 65.0 | |
| | | Z | 7.47 | 75.69 | 21.37 | | 65.0 | |
| 10269- CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | X | 7.29 | 75.48 | 21.48 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 7.12 | 74.04 | 20.65 | | 65.0 | |
| | | Z | 7.40 | 75.21 | 21.22 | | 65.0 | |
| 10270- CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | Х | 7.79 | 78.59 | 21.97 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 7.27 | 76.27 | 20.81 | | 65.0 | |
| | | Z | 7.80 | 77.99 | 21.60 | | 65.0 | |

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| 10274- CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) | X | 2.56 | 66.09 | 14.99 | 0.00 | 150.0 | ± 9.6 % |
|---------------|--|-----|---------------|----------------|----------------|-------------|----------------|---------|
| CAB | TReio.10) | T | 2.50 | GE 10 | 14.25 | | 450.0 | |
| | | Z | 2.52 | 65.10 65.70 | 14.35 14.67 | | 150.0 | |
| 10275- CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | X | 1.56 | 66.99 | 14.99 | 0.00 | 150.0 150.0 | ± 9.6 % |
| | | Y | 1.44 | 65.00 | 13.67 | | 150.0 | |
| | | Z | 1.49 | 66.00 | 14.34 | | 150.0 | |
| 10277- CAA | PHS (QPSK) | X | 2.20 | 62.12 | 7.54 | 9.03 | 50.0 | ± 9.6 % |
| | | Υ | 2.95 | 64.23 | 9.71 | | 50.0 | |
| 40070 | | Z | 2.73 | 63.45 | 8.82 | | 50.0 | |
| 10278- CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5) | X | 12.02 | 86.88 | 21.32 | 9.03 | 50.0 | ± 9.6 % |
| | - | Y | 9.61 | 83.75 | 21.26 | | 50.0 | |
| 10279- | PHS (QPSK, BW 884MHz, Rolloff 0.38) | Z | 10.08 | 83.80 | 20.69 | | 50.0 | |
| CAA | FITS (QFSK, BW 604WINZ, KUIIUII U.36) | X | 12.31 | 87.20 | 21.50 | 9.03 | 50.0 | ± 9.6 % |
| | | Z | 9.76 | 83.87 | 21.34 | | 50.0 | |
| 10290- | CDMA2000, RC1, SO55, Full Rate | X | 10.25 1.34 | 83.99 67.25 | 20.81 13.27 | | 50.0 | 1000 |
| AAB | ODIVIAZOOU, NOT, SOUG, Full Nate | Y | | | | 0.00 | 150.0 | ± 9.6 % |
| | | | 1.23 | 65.06 | 12.21 | | 150.0 | |
| 10291- | CDMA2000, RC3, SO55, Full Rate | X | 1.23 0.78 | 65.94 | 12.51 | 0.00 | 150.0 | |
| AAB | | Y | | 64.52 62.76 | 11.76 | 0.00 | 150.0 | ± 9.6 % |
| | | Z | 0.73 | | 10.76 | | 150.0 | |
| 10292- | CDMA2000, RC3, SO32, Full Rate | X | 0.73 0.92 | 63.49 67.57 | 11.07 | 0.00 | 150.0 | |
| AAB | - Colin (2000, 1703, 3002, 1 dii 17ate | | | | 13.69 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 0.78 | 64.18 | 11.87 | | 150.0 | |
| 10293- | CDMA2000, RC3, SO3, Full Rate | Z | 0.82 | 65.63 | 12.57 | | 150.0 | |
| AAB | CDIVIAZO00, NCS, SOS, Full Rate | Y | 1.26 | 71.98 | 16.14 | 0.00 | 150.0 | ± 9.6 % |
| | | Z | 0.91 | 66.08 | 13.26 | | 150.0 | |
| 10295- AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | X | 1.03 14.84 | 68.67 95.74 | 14.48 28.21 | 9.03 | 150.0 50.0 | ± 9.6 % |
| | | Y | 8.91 | 84.62 | 24.53 | | 50.0 | |
| | | Ż | 12.81 | 91.53 | 26.70 | | 50.0 | |
| 10297- AAC | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | X | 2.69 | 68.98 | 16.18 | 0.00 | 150.0 | ± 9.6 % |
| | | Y _ | 2.55 | 67.43 | 15.16 | | 150.0 | |
| 10000 | | Z | 2.59 | 68.22 | 15.71 | | 150.0 | |
| 10298- AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | X | 1.50 | 66.65 | 13.59 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 1.43 | 65.00 | 12.74 | | 150.0 | |
| 10299- | LITE EDD (SC EDMA FOX DD CAM) | Z | 1.41 | 65.64 | 12.95 | | 150.0 | |
| AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | X | 2.59 | 69.25 | 14.37 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.65 | 68.80 | 14.43 | | 150.0 | |
| 10300- | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, | Z | 2.50 | 68.57 | 13.91 | | 150.0 | |
| AAC | 64-QAM) | X | 1.99 | 65.10 | 11.65 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.16 | 65.32 | 12.07 | | 150.0 | |
| 10301- AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC) | X | 1.97 4.92 | 64.79 65.97 | 11.37 17.73 | 4.17 | 150.0 50.0 | ± 9.6 % |
| | 7: | Y | 4.90 | 65.12 | 17.14 | | F0.0 | |
| | | z | 4.93 | 65.81 | 17.14 | | 50.0 | |
| 10302- AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols) | X | 5.34 | 66.33 | 18.31 | 4.96 | 50.0 50.0 | ± 9.6 % |
| | | Y | 5.41 | 6E 00 | 47.00 | | | |
| | | Z | 5.39 | 65.80 | 17.88 | | 50.0 | |
| | , L | | 0.38 | 66.34 | 18.19 | | 50.0 | |

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| 10202 | IEEE 000 460 WIMAY /04:45 5 | 1 2 1 | T 00 | 00.00 | 40.40 | 4.00 | | |
|---------------|---|----------------|--------------|----------------|-------|--------------|--------------|--|
| 10303- AAA | IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC) | × | 5.09 | 66.00 | 18.16 | 4.96 | 50.0 | ± 9.6 % |
| 7001 | 100012, 040000, 1 000) | Y | 5.18 | 65.53 | 17.76 | | 50.0 | <u> </u> |
| | | Ż | 5.16 | 66.05 | 18.06 | | 50.0 | |
| 10304- | IEEE 802.16e WiMAX (29:18, 5ms, | X | 4.89 | 65.81 | 17.60 | 4.17 | 50.0 | ± 9.6 % |
| AAA | 10MHz, 64QAM, PUSC) | ^ | 4.00 | 00.01 | 17.00 | 7.17 | 30.0 | 1 5.0 % |
| | | Y | 4.95 | 65.27 | 17.18 | | 50.0 | |
| | | Z | 4.94 | 65.81 | 17.48 | | 50.0 | |
| 10305- | IEEE 802.16e WiMAX (31:15, 10ms, | x | 4.50 | 67.81 | 19.84 | 6.02 | 35.0 | ± 9.6 % |
| AAA | 10MHz, 64QAM, PUSC, 15 symbols) | | | | | 5 | 55.5 | - 5.5 % |
| | | Y | 4.79 | 68.06 | 19.81 | | 35.0 | |
| | | Z | 4.79 | 68.83 | 20.16 | | 35.0 | |
| 10306- | IEEE 802.16e WiMAX (29:18, 10ms, | X | 4.81 | 66.77 | 19.38 | 6.02 | 35.0 | ±9.6 % |
| AAA | 10MHz, 64QAM, PUSC, 18 symbols) | | | | | | | |
| | | Y | 5.03 | 66.83 | 19.26 | | 35.0 | |
| | | Z | 4.99 | 67.39 | 19.54 | | 35.0 | |
| 10307- | IEEE 802.16e WiMAX (29:18, 10ms, | X | 4.71 | 66.97 | 19.36 | 6.02 | 35.0 | ± 9.6 % |
| AAA | 10MHz, QPSK, PUSC, 18 symbols) | | | | | | | |
| | | Y | 4.96 | 67.13 | 19.28 | | 35.0 | |
| 40000 | | Z | 4.92 | 67.66 | 19.55 | | 35.0 | |
| 10308- | IEEE 802.16e WiMAX (29:18, 10ms, | X | 4.69 | 67.17 | 19.50 | 6.02 | 35.0 | ± 9.6 % |
| AAA | 10MHz, 16QAM, PUSC) | + | 4.00 | 67.00 | 40.40 | | 05.0 | |
| | | Z | 4.93 | 67.30 | 19.40 | | 35.0 | |
| 40000 | 1555 000 40a MiMAY (00:40, 40ma | | 4.91 | 67.91 | 19.71 | 0.00 | 35.0 | |
| 10309- | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) | X | 4.88 | 67.02 | 19.54 | 6.02 | 35.0 | ± 9.6 % |
| AAA | TUMEZ, TOWAM, AMC 2x3, 18 SYMDOIS) | Y | E 10 | 67.00 | 19.41 | | 25.0 | |
| | | Z | 5.10 5.06 | 67.08 67.62 | 19.41 | | 35.0 35.0 | |
| 10310- | IEEE 802.16e WiMAX (29:18, 10ms, | X | 4.76 | 66.83 | 19.89 | 6.02 | 35.0 | ± 9.6 % |
| AAA | 10MHz, QPSK, AMC 2x3, 18 symbols) | ^ | 4.70 | 00.03 | 19.55 | 0.02 | 35.0 | 19.0% |
| 707 | TOWN 12, QT OIX, AWIO 2XO, TO SYMBOIS) | Y | 4.98 | 66.92 | 19.24 | | 35.0 | |
| | | Ż | 4.95 | 67.49 | 19.53 | | 35.0 | |
| 10311- | LTE-FDD (SC-FDMA, 100% RB, 15 | X | 3.04 | 68.33 | 15.87 | 0.00 | 150.0 | ± 9.6 % |
| AAC | MHz, QPSK) | ^ | 3.04 | 00.55 | 13.67 | 0.00 | 130.0 | 1 9.0 % |
| 7010 | 100 12, Q1 01 y | Y | 2.87 | 66.87 | 14.93 | | 150.0 | <u> </u> |
| | | Z | 2.93 | 67.62 | 15.44 | | 150.0 | |
| 10313- | iDEN 1:3 | | 8.93 | 84.60 | 20.34 | 6.99 | 70.0 | ± 9.6 % |
| AAA | | `` | 0.00 | """ | | 0.00 | ' ' ' ' | 20.0 % |
| | | Y | 5.29 | 76.79 | 17.81 | | 70.0 | |
| | | Z | 7.61 | 81.75 | 19.55 | | 70.0 | |
| 10314- | iDEN 1:6 | X | 16.77 | 101.33 | 28.93 | 10.00 | 30.0 | ± 9.6 % |
| AAA | | | | | | | | |
| | | Y | 7.37 | 85.56 | 23.98 | | 30.0 | |
| | | Z | 12.54 | 94.77 | 26.95 | | 30.0 | |
| 10315- | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 | X | 1.09 | 63.49 | 14.87 | 0.17 | 150.0 | ± 9.6 % |
| AAB | Mbps, 96pc duty cycle) | | | | | | | |
| | | Υ | 1.05 | 62.22 | 13.71 | | 150.0 | |
| | | Z | 1.08 | 62.99 | 14.36 | | 150.0 | |
| 10316- | IEEE 802.11g WiFi 2.4 GHz (ERP- | X | 4.60 | 66.57 | 16.23 | 0.17 | 150.0 | ± 9.6 % |
| AAB | OFDM, 6 Mbps, 96pc duty cycle) | ļ | | | | | <u> </u> | |
| | | Υ | 4.62 | 66.21 | 15.92 | | 150.0 | |
| | | Z | 4.58 | 66.45 | 16.09 | | 150.0 | |
| 10317- | IEEE 802.11a WiFi 5 GHz (OFDM, 6 | X | 4.60 | 66.57 | 16.23 | 0.17 | 150.0 | ± 9.6 % |
| AAB | Mbps, 96pc duty cycle) | | | <u> </u> | | | 1.5. | ! |
| | | Y | 4.62 | 66.21 | 15.92 | | 150.0 | |
| | | Z | 4.58 | 66.45 | 16.09 | 0.00 | 150.0 | 1 0 0 0 0 |
| 10400- | IEEE 802.11ac WiFi (20MHz, 64-QAM, | X | 4.70 | 66.84 | 16.16 | 0.00 | 150.0 | ± 9.6 % |
| AAC | 99pc duty cycle) | 4 | 4 | 00.10 | 45.54 | ļ | 450.0 | |
| | * | Y | 4.72 | 66.46 | 15.84 | ļ | 150.0 | <u> </u> |
| | | Z | 4.67 | 66.68 | 16.01 | | 150.0 | 1000 |
| 10401- | IEEE 802.11ac WiFi (40MHz, 64-QAM, | X | 5.40 | 67.06 | 16.35 | 0.00 | 150.0 | ± 9.6 % |
| AAC | 99pc duty cycle) | 1., | F 40 | 66.70 | 40.04 | - | 450.0 | |
| | | Y | 5.40 | 66.70 | 16.04 | | 150.0 | |
| l | | Z | 5.38 | 66.94 | 16.22 | l | 150.0 | |

| 10402- | IEEE 802.11ac WiFi (80MHz, 64-QAM, | X | 5.64 | 67.36 | 16.36 | 0.00 | 150.0 | ± 9.6 % |
|----------------|--|-----|--------|--------|-------|------|-------|---------|
| AAC | 99pc duty cycle) | ^ | 0.04 | 07.50 | 10.50 | 0.00 | 130.0 | ± 9.0 % |
| | | Y | 5.68 | 67.15 | 16.13 | | 150.0 | |
| | | Z | 5.63 | 67.25 | 16.24 | | 150.0 | |
| 10403- AAB | CDMA2000 (1xEV-DO, Rev. 0) | Х | 1.34 | 67.25 | 13.27 | 0.00 | 115.0 | ± 9.6 % |
| | | Y | 1.23 | 65.06 | 12.21 | | 115.0 | |
| | | Z | 1.23 | 65.94 | 12.51 | | 115.0 | |
| 10404- AAB | CDMA2000 (1xEV-DO, Rev. A) | Х | 1.34 | 67.25 | 13.27 | 0.00 | 115.0 | ± 9.6 % |
| | | Y | 1.23 | 65.06 | 12.21 | | 115.0 | |
| 10406- | CDMA2000 BC2 CO22 COLID Full | Z | 1.23 | 65.94 | 12.51 | | 115.0 | |
| AAB | CDMA2000, RC3, SO32, SCH0, Full Rate | X | 11.88 | 94.10 | 24.15 | 0.00 | 100.0 | ± 9.6 % |
| | | I Y | 7.20 | 85.63 | 21.54 | | 100.0 | |
| 10410- | LTE TOD (SC EDMA 1 DD 10 MU) | Z | 12.10 | 93.11 | 23.46 | | 100.0 | |
| AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 124.75 | 31.89 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 100.00 | 122.93 | 31.42 | | 80.0 | |
| 10415- | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 | Z | 100.00 | 123.26 | 31.33 | 0.00 | 80.0 | 1 |
| AAA | Mbps, 99pc duty cycle) | | | 62.50 | 14.18 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 0.97 | 61.38 | 13.09 | | 150.0 | |
| 10416- | IEEE 802.11g WiFi 2.4 GHz (ERP- | Z | 0.99 | 62.01 | 13.68 | 0.00 | 150.0 | |
| AAA | OFDM, 6 Mbps, 99pc duty cycle) | | 4.53 | 66.50 | 16.10 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.55 | 66.12 | 15.79 | | 150.0 | |
| 10417- | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 | Z | 4.51 | 66.36 | 15.96 | | 150.0 | |
| AAA | Mbps, 99pc duty cycle) | X | 4.53 | 66.50 | 16.10 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.55 | 66.12 | 15.79 | | 150.0 | |
| 10418- | IEEE 802.11g WiFi 2.4 GHz (DSSS- | Z | 4.51 | 66.36 | 15.96 | | 150.0 | |
| AAA | OFDM, 6 Mbps, 99pc duty cycle, Long preambule) | X | 4.52 | 66.65 | 16.12 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.53 | 66.24 | 15.79 | | 150.0 | |
| 40440 | | Z | 4.50 | 66.50 | 15.97 | | 150.0 | |
| 10419- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule) | X | 4.54 | 66.60 | 16.12 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.55 | 66.21 | 15.80 | | 150.0 | |
| 10100 | | Z | 4.52 | 66.46 | 15.97 | | 150.0 | |
| 10422- AAA | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | X | 4.66 | 66.61 | 16.14 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.68 | 66.24 | 15.84 | | 150.0 | |
| 10400 | IEEE 000 44- # IE 0 | Z | 4.64 | 66.48 | 16.00 | | 150.0 | |
| 10423- _AAA | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | X | 4.83 | 66.93 | 16.26 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.86 | 66.58 | 15.96 | | 150.0 | |
| 10424- | IEEE 902 11p (UT Cooperated 70 C | Z | 4.80 | 66.79 | 16.11 | | 150.0 | |
| AAA | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | X | 4.75 | 66.87 | 16.23 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.77 | 66.51 | 15.92 | | 150.0 | |
| 10425- | IEEE 802 11p /UT Oroganist 45 45 | Z | 4.72 | 66.73 | 16.08 | | 150.0 | |
| AAA | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | X | 5.35 | 67.20 | 16.42 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.37 | 66.92 | 16.15 | | 150.0 | |
| 10426- | IEEE 900 44 - /UT C | Ζ | 5.33 | 67.08 | 16.29 | | 150.0 | |
| AAA | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) | X | 5.35 | 67.22 | 16.43 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 5.37 | 66.92 | 16.15 | | 150.0 | |
| | <u> </u> | Z | 5.33 | 67.10 | 16.30 | | 150.0 | |

| 10427- AAA | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) | Х | 5.36 | 67.21 | 16.41 | 0.00 | 150.0 | ± 9.6 % |
|---------------|--|----------|----------------------|-------------------------|-------------------------|------|--|--------------|
| | | Y | 5.39 | 66.92 | 16.14 | | 150.0 | |
| | · · · · · · · · · · · · · · · · · · · | Ż | 5.34 | 67.09 | 16.29 | | 150.0 | |
| 10430- AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | X | 4.16 | 70.13 | 17.79 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.16 | 69.45 | 17.46 | | 150.0 | |
| | | Z | 4.14 | 69.98 | 17.64 | | 150.0 | |
| 10431- AAB | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | X | 4.21 | 67.00 | 16.07 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.23 | 66.50 | 15.72 | | 150.0 | |
| 10100 | | Z | 4.18 | 66.80 | 15.89 | | 150.0 | |
| 10432- AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) | X | 4.51 | 66.90 | 16.16 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.54 | 66.49 | 15.84 | | 150.0 | |
| 10422 | LITE EDD (OFDMA 20 MUL E TM 2.4) | Z | 4.49 | 66.74 | 16.00 | 0.00 | 150.0 | |
| 10433- AAB | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | X | 4.76 | 66.91 | 16.25 | 0.00 | 150.0 | ± 9.6 % |
| | | Z | 4.79 | 66.55 | 15.95 | | 150.0 | |
| 10434- | W-CDMA (BS Test Model 1, 64 DPCH) | X | 4.74 | 66.77 | 16.10 | 0.00 | 150.0 | 1000 |
| AAA | W-CDIVIA (BS Test Model 1, 64 DPCH) | <u> </u> | 4.23 | 70.87 | 17.71 | 0.00 | 150.0 | ± 9.6 % |
| | | Z | 4.20 | | 17.36 | | 150.0 | |
| 10435- | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, | X | 4.20 | 70.67 | 17.54 | 2.00 | 150.0 | |
| AAC | QPSK, UL Subframe=2,3,4,7,8,9) | Y | 100.00 | 124.53 122.74 | 31.79 | 3.23 | 80.0 | ± 9.6 % |
| | - | Z | 100.00 | | 31.34 | | 80.0 | |
| 10447- AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | X | 3.49 | 123.05 66.90 | 31.23 15.34 | 0.00 | 80.0 150.0 | ± 9.6 % |
| | | Y | 3.49 | 66.24 | 14.98 | | 150.0 | |
| | | Z | 3.44 | 66.62 | 15.10 | | 150.0 | |
| 10448- AAB | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | X | 4.05 | 66.77 | 15.93 | 0.00 | 150.0 | ± 9.6 % |
| | 1 | Y | 4.06 | 66.26 | 15.57 | | 150.0 | |
| | | Z | 4.02 | 66.58 | 15.74 | | 150.0 | · |
| 10449- AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | X | 4.32 | 66.72 | 16.05 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.33 | 66.29 | 15.72 | | 150.0 | |
| | | Z | 4.30 | 66.56 | 15.89 | | 150.0 | |
| 10450- AAB | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | X | 4.52 | 66.67 | 16.09 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.53 | 66.28 | 15.78 | | 150.0 | |
| | | Z | 4.50 | 66.52 | 15.94 | | 150.0 | |
| 10451- AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | × | 3.37 | 67.03 | 14.94 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 3.38 | 66.35 | 14.62 | | 150.0 | |
| 10450 | IEEE 000 44-5 MEE: /4005#1 04 0454 | Z | 3.32 | 66.70 | 14.68 | | 150.0 | |
| 10456- AAA | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle) | X | 6.21 | 67.77 | 16.59 | 0.00 | 150.0 | ± 9.6 % |
| | <u> </u> | Y | 6.23 | 67.56 | 16.37 | | 150.0 | |
| 10457 | LIMTS EDD (DO HODDA) | Z | 6.19 | 67.67 | 16.48 | 0.00 | 150.0 | |
| 10457- AAA | UMTS-FDD (DC-HSDPA) | X | 3.79 | 65.14 | 15.80 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 3.78 | 64.76 | 15.48 | | 150.0 | |
| 10458- | CDMA2000 (1xEV-DO, Rev. B, 2 | X | 3.78 3.89 | 65.02 70.15 | 15.65 17.12 | 0.00 | 150.0 150.0 | ± 9.6 % |
| | carriers) | | I | | | | | |
| AAA | carriers) | V | 3 82 | 60 10 | 1 16 70 | 1 | 1 150 0 | |
| | carriers) | Y 7 | 3.82 | 69.10 | 16.70 | | 150.0 | |
| 10459- | CDMA2000 (1xEV-DO, Rev. B, 3 | Z X | 3.82 3.83 5.04 | 69.10 69.86 67.99 | 16.70 16.89 17.89 | 0.00 | 150.0 150.0 150.0 | ± 9.6 % |
| AAA | | Z | 3.83 | 69.86 | 16.89 | 0.00 | 150.0 | ± 9.6 % |

| 10461- LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, AAA CAM, UL Subframe-2,3.4,7,8,9) Y 100,00 129,32 33,06 3.29 80,0 ± 9.6 % 10462- LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, AAA CAM, UL Subframe-2,3.4,7,8,9) Y 100,00 125,72 33,23 80,0 ± 9.6 % 10462- LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, AAA 16-QAM, UL Subframe-2,3.4,7,8,9) Y 17,00 30,25 30,32 80,0 ± 9.6 % 10463- LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, AAA LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, AAA LTE-TDD (SC-FDMA, 1 RB, 3 MHz, AAA LTE-TDD (SC-FDMA, 1 RB, 5 MHz, AAA LTE-TDD (SC-FD | 10460- AAA | UMTS-FDD (WCDMA, AMR) | Х | 0.84 | 66.49 | 15.04 | 0.00 | 150.0 | ± 9.6 % |
|--|---------------|--|--|--------|--------|----------|--------------|--------------|---------|
| 10461- AAA | , , , , | | | 0.74 | 63.53 | 12.04 | | 150.0 | |
| 10461 | | | | | | | | | |
| TIE-TDD (SC-FDMA, 1 RB, 1.4 MHz, AAA 100,00 110,03 25,03 33,23 80,0 ±9.6 % 100,00 100,03 25,03 32,3 80,0 ±9.6 % 100,00 100,03 25,03 32,3 80,0 ±9.6 % 100,00 100 | | | | | | | 3.29 | | ± 9.6 % |
| 10462- LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, AAA | | | | | | 32.81 | | 80.0 | |
| AAA | | | Z | 100.00 | 127.22 | 33.23 | | 80.0 | |
| LTE-TDD (SC-FDMA, 1 RB, 14 MHz, 84-QAM, UL Subframe=2,3.4,7.8,9) | | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | | | | | 3.23 | 80.0 | ± 9.6 % |
| 10463- AAA AAA AAA AAA AAA AAA AAA AAA AAA A | | | | | | | | 80.0 | |
| AAA 64-QAM, UL Subframe=2,3.4,7,8,9) | 40462 | LITE TOD (OO FOLM) 4 DD 4 4 MI | | | | | | | |
| LTE-TDD (SC-FDMA, 1 RB, 3 MHz, AAA CPSK, UL Subframe=2,3,4,7,8,9) | | 64-QAM, UL Subframe=2,3,4,7,8,9) | | | | | 3.23 | | ± 9.6 % |
| 10464- AAA | | | | | | | <u> </u> | | |
| AAA OPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 123.56 31.65 80.0 | 10464 | LTE TOD (SC EDMA 4 DD 2 MU) | | | | | | | |
| Total | | QPSK, UL Subframe=2,3,4,7,8,9) | | | | | 3.23 | | ± 9.6 % |
| 10468- AAA AAA AAA AAA AAA AAA AAA AAA AAA A | | - | | | | | | | |
| AAA | 10/65 | LITE-TOD (SC EDMA 4 DD CAME 40 | | | | | | | |
| TE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- AAA | | QAM, UL Subframe=2,3,4,7,8,9) | | | | | 3.23 | | ± 9.6 % |
| 10468- AAA AAA AAA AAA AAA AAA AAA A | | | | | | | | | |
| AAA QAM, UL Subframe=2,3,4,7,8,9) Y 4.08 73.16 14.76 80.0 | 10466 | LITE TOD (CC FDMA 4 DD C MILE O4 | | | | | | | |
| 10467- AC LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- AC AC AC AC AC AC AC A | | QAM, UL Subframe=2,3,4,7,8,9) | | | | | 3.23 | | ± 9.6 % |
| 10467- AC | | | | | | | | | |
| AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 100,00 123,80 31,76 80,0 Z 100,00 125,18 32,12 80,0 10468- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,65 84,90 19,07 80,0 Z 16,32 89,54 19,98 80,0 10470- AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 10,65 84,90 19,07 80,0 Z 16,32 89,54 19,98 80,0 Y 4,11 73,25 14,79 80,0 Y 4,11 73,25 14,79 80,0 Y 100,00 123,80 31,76 80,0 Y 4,11 73,25 14,79 80,0 10470- AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 100,00 123,83 31,76 80,0 Y 100,00 125,21 32,12 80,0 10471- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 100,00 123,83 31,76 80,0 Y 100,00 125,21 32,12 80,0 10471- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10472- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10473- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10473- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10473- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10473- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10473- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10473- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10473- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10473- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10473- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10474- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10475- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,60 84,82 19,03 80,0 10475- BR, 15 MHz, 64- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,00 123,80 31,75 80,0 Y 100,00 123,80 31,75 80,0 Y 100,00 125,18 32,11 80,0 10474- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,45 84,67 18,99 80,0 10475- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,45 84,67 18,99 80,0 10476- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,45 84,67 18,99 80,0 10476- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10,45 84,67 18,99 80,0 10476- AAC QAM, UL Subframe=2,3,4,7,8,9) | 10/67- | LITE TOD (SC EDMA 4 DD EMILE | | | | | | | |
| Tourne | | QPSK, UL Subframe=2,3,4,7,8,9) | | | | | 3.23 | | ± 9.6 % |
| 10468- AAC | | | | | | | | 80.0 | |
| AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10.65 84.90 19.07 80.0 10469- AAC QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- X 5.15 76.36 15.50 3.23 80.0 ±9.6 % AC QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 123.83 31.76 80.0 Z 100.00 125.21 32.12 80.0 LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 125.21 32.12 80.0 LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- AC QAM, UL Subframe=2,3,4,7,8,9) Y 10.60 84.82 19.03 80.0 LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- AC QAM, UL Subframe=2,3,4,7,8,9) Y 10.60 84.82 19.03 80.0 LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- AC QAM, UL Subframe=2,3,4,7,8,9) Y 10.60 84.82 19.03 80.0 Z 16.19 89.43 19.93 80.0 Z 16.19 89.43 19.93 80.0 LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- AC QAM, UL Subframe=2,3,4,7,8,9) Y 4.09 73.19 14.75 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AC QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 127.25 32.91 3.23 80.0 ±9.6 % Y 100.00 127.25 32.91 3.23 80.0 ±9.6 % LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AC QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 123.80 31.75 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AC QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 125.18 32.11 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AC QAM, UL Subframe=2,3,4,7,8,9) Y 10.45 84.67 18.99 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- AC QAM, UL Subframe=2,3,4,7,8,9) Y 10.45 84.67 18.99 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- AC QAM, UL Subframe=2,3,4,7,8,9) Y 4.06 73.11 14.73 80.0 | 10460 | LTE TOD (CO FOLIA A DO 5 MI) AG | | | | | | | |
| 10469- AC CAM, UL Subframe=2,3,4,7,8,9 Y 4.11 73.25 14.79 80.0 ±9.6 % | | QAM, UL Subframe=2,3,4,7,8,9) | | | | | 3.23 | 80.0 | ± 9.6 % |
| TE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9) | | | | | | | | 80.0 | |
| AAC QAM, UL Subframe=2,3,4,7,8,9) Y 4.11 73.25 14.79 80.0 I 10470- AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 127.29 32.93 3.23 80.0 ±9.6 % 10471- AAC QAM, UL Subframe=2,3,4,7,8,9) 10471- AAC QAM, UL Subframe=2,3,4,7,8,9) 10472- AAC QAM, UL Subframe=2,3,4,7,8,9) 10473- AAC QAM, UL Subframe=2,3,4,7,8,9) 10473- AAC QAM, UL Subframe=2,3,4,7,8,9) 10473- AAC QAM, UL Subframe=2,3,4,7,8,9) 10474- AAC QAM, UL Subframe=2,3,4,7,8,9) 10474- AAC QAM, UL Subframe=2,3,4,7,8,9) 10475- AAC QAM, UL Subframe=2,3,4,7,8,9) 10476- AAC QAM, UL Subframe=2,3,4,7,8,9) 104775- AAC QAM, UL Subframe=2,3,4,7,8,9) 10478- AAC QAM, UL Subframe=2,3,4,7,8,9) 10478- AAC QAM, UL Subframe=2,3,4,7,8,9) 10478- AAC QAM, UL Subframe=2,3,4,7,8,9) 10479- | 40460 | LTE TOD (OO EDITO A DD TANK | | | | | | 80.0 | |
| 10470- LTE-TDD (SC-FDMA, 1 RB, 10 MHz, ACC QPSK, UL Subframe=2,3,4,7,8,9) | | QAM, UL Subframe=2,3,4,7,8,9) | | | | | 3.23 | 80.0 | ± 9.6 % |
| 10470- AAC Color | | | | | | | | 80.0 | |
| AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 123.83 31.76 80.0 Z 100.00 125.21 32.12 80.0 10471- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10.60 84.82 19.03 80.0 Z 16.19 89.43 19.93 80.0 10472- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 4.09 73.19 14.75 80.0 Z 3.87 73.01 14.33 80.0 10473- AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 127.25 32.91 3.23 80.0 ±9.6 % X 100.00 127.25 32.91 3.23 80.0 10474- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 123.80 31.75 80.0 Y 100.00 123.80 31.75 80.0 INVERTIGATION OF SUBFRAME SUBFRAM | 40470 | LTE TOP (OC EDIA) A DE ACADA | | | | | | 80.0 | |
| 10471- LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- X 43.27 100.65 22.81 3.23 80.0 ± 9.6 % | | QPSK, UL Subframe=2,3,4,7,8,9) | | | | | 3.23 | 80.0 | ±9.6 % |
| 10471- AAC LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9) Y 10.60 84.82 19.03 80.0 Z 16.19 89.43 19.93 80.0 LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9) Y 4.09 73.19 14.75 80.0 Z 3.87 73.01 14.33 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 123.80 31.75 80.0 Z 100.00 125.18 32.11 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 125.18 32.11 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9) Y 10.45 84.67 18.99 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9) Y 10.45 84.67 18.99 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9) Y 4.06 73.11 14.73 80.0 | | | | | | | | 80.0 | |
| AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10.60 84.82 19.03 80.0 Z 16.19 89.43 19.93 80.0 10472- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 4.09 73.19 14.75 80.0 Z 3.87 73.01 14.33 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 127.25 32.91 3.23 80.0 ±9.6 % Y 100.00 125.18 32.11 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AC QAM, UL Subframe=2,3,4,7,8,9) Y 10474- AAC LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AC QAM, UL Subframe=2,3,4,7,8,9) Y 10475- AAC LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- AC QAM, UL Subframe=2,3,4,7,8,9) Y 10.45 84.67 18.99 80.0 Z 15.89 89.24 19.88 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- AC QAM, UL Subframe=2,3,4,7,8,9) Y 4.06 73.11 14.73 80.0 | 10471 | LTE TOD (SC EDMA 4 DD 40 MUL 40 | | | | | | | |
| 10472- LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- X 5.10 76.27 15.45 3.23 80.0 ± 9.6 % | | QAM, UL Subframe=2,3,4,7,8,9) | | | | <u>.</u> | 3.23 | | ± 9.6 % |
| 10472- AAC LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9) Y 4.09 73.19 14.75 80.0 Z 3.87 73.01 14.33 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 123.80 31.75 80.0 Z 100.00 125.18 32.11 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9) Y 10474- AAC LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9) Y 10.45 84.67 18.99 80.0 Z 15.89 89.24 19.88 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9) Y 4.06 73.11 14.73 80.0 | | | | | | | | | |
| AAC QAM, UL Subframe=2,3,4,7,8,9) Y 4.09 73.19 14.75 80.0 I 10473- AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 123.80 31.75 80.0 Y 100.00 123.80 31.75 80.0 I 10474- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 125.18 32.11 80.0 I 10474- QAM, UL Subframe=2,3,4,7,8,9) Y 10.45 84.67 18.99 80.0 I 10475- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10.45 84.67 18.99 80.0 I 10475- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10.45 84.67 18.99 80.0 I 10475- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10.45 84.67 18.99 80.0 I 10475- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 4.06 73.11 14.73 80.0 | 10472- | LTE-TOD (SC-EDMA 4 BB 40 MU- C4 | | | | | | | |
| 10473- AAC | | QAM, UL Subframe=2,3,4,7,8,9) | | | | | 3.23 | | ± 9.6 % |
| 10473- AAC | | | | | | | | | |
| AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 123.80 31.75 80.0 Z 100.00 125.18 32.11 80.0 10474- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 10.45 84.67 18.99 80.0 Z 15.89 89.24 19.88 80.0 10475- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 4.06 73.11 14.73 80.0 | 10473- | TE-TOD (SC-EDMA 1 DR 15 MU- | | | | | | | |
| 10474- AAC | | | | | | | 3.23 | | ± 9.6 % |
| 10474- AAC | _ | | | | | | | | |
| Y 10.45 84.67 18.99 80.0 Z 15.89 89.24 19.88 80.0 10475- AAC QAM, UL Subframe=2,3,4,7,8,9) Y 4.06 73.11 14.73 80.0 | | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2 3 4 7 8 9) | | | | | 3.23 | | ± 9.6 % |
| 10475- AAC QAM, UL Subframe=2,3,4,7,8,9) | | ==, 0 = 000mamo =2,0,4,1,0,0) | V | 10.45 | 84.67 | 10.00 | | 00.0 | |
| 10475- AAC | | | | | | | <u> </u> | | |
| Y 4.06 73.11 14.73 80.0 | | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2 3 4 7 8 9) | | | | | 3.23 | | ± 9.6 % |
| | | | - | 4.06 | 72 11 | 14.70 | | 00.0 | |
| | | | Z | 3.84 | 73.11 | 14.73 | | 80.0 80.0 | |

| 10477- AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9) | Х | 33.66 | 97.84 | 22.10 | 3.23 | 80.0 | ± 9.6 % |
|---------------|--|----------|--------------|----------------|----------------|----------|--------------|-------------|
| ,,,,, | G W, OL Gubilanie-2,3,4,7,0,3) | Y | 9.49 | 83.54 | 18.63 | | 80.0 | |
| | | Ż | 13.79 | 87.64 | 19.42 | | 80.0 | |
| 10478- AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9) | X | 4.97 | 75.99 | 15.35 | 3.23 | 80.0 | ± 9.6 % |
| | | <u>Y</u> | 4.02 | 73.00 | 14.68 | | 80.0 | |
| | | Ζ | 3.80 | 72.80 | 14.25 | | 80.0 | |
| 10479- AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 11.23 | 92.52 | 25.50 | 3.23 | 80.0 | ± 9.6 % |
| | | Υ | 6.79 | 83.32 | 22.57 | | 80.0 | |
| | | Ζ | 9.78 | 89.56 | 24.40 | | 80.0 | |
| 10480- AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | × | 12.19 | 87.96 | 22.19 | 3.23 | 80.0 | ± 9.6 % |
| | | Υ | 8.09 | 81.55 | 20.41 | | 80.0 | |
| | | Z | 10.84 | 85.79 | 21.38 | | 80.0 | |
| 10481- AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 9.64 | 83.93 | 20.54 | 3.23 | 80.0 | ± 9.6 % |
| | | Υ | 7.10 | 79.15 | 19.25 | | 80.0 | |
| | | Z | 8.69 | 82.06 | 19.81 | | 80.0 | |
| 10482- AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | × | 4.07 | 76.08 | 18.57 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 2.93 | 70.30 | 16.31 | | 80.0 | |
| 10100 | | Z | 3.58 | 73.62 | 17.49 | | 80.0 | |
| 10483- AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 6.17 | 78.06 | 18.90 | 2.23 | 80.0 | ± 9.6 % |
| | | _< | 5.47 | 75.83 | 18.42 | | 80.0 | |
| 10101 | 1 TT TDD (00 5D) (1 TO) | Z | 5.76 | 76.63 | 18.26 | - | 80.0 | |
| 10484- AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | × | 5.57 | 76.44 | 18.31 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 5.15 | 74.75 | 18.01 | | 80.0 | <u> </u> |
| | | Z | 5.28 | 75.20 | 17.73 | | 80.0 | |
| 10485- AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 4.26 | 76.87 | 19.83 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 3.22 | 71.33 | 17.47 | | 80.0 | |
| | | Z | 3.89 | 74.79 | 18.86 | | 80.0 | |
| 10486- AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.73 | 71.42 | 17.16 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 3.29 | 68.59 | 15.95 | | 80.0 | |
| | | Z | 3.60 | 70.44 | 16.61 | | 80.0 | |
| 10487- AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | × | 3.69 | 70.90 | 16.93 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 3.31 | 68.33 | 15.84 | | 80.0 | |
| 10100 | | Z | 3.59 | 70.01 | 16.42 | | 80.0 | |
| 10488- AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | Х | 4.26 | 74.99 | 19.78 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 3.62 | 71.15 | 17.92 | | 80.0 | |
| 40400 | LTE TOD (CO EDMA 50% DD 40 ML) | Z | 4.07 | 73.67 | 19.08 | 0.00 | 80.0 | 1000 |
| 10489- AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.84 | 70.40 | 17.93 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 3.61 | 68.41 | 16.88 | ļ | 80.0 | |
| 10490- | LITE-TOD (SC EDMA 50% DD 40 MILE | Z | 3.82 | 69.88 | 17.56 | 0.00 | 80.0 | 1000 |
| AAC AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | | 3.92 | 70.16 | 17.84 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 3.71 | 68.30 | 16.86 | <u> </u> | 80.0 | |
| 10491- AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 3.91 4.31 | 69.69 72.81 | 17.50 19.02 | 2.23 | 80.0 80.0 | ± 9.6 % |
| 7770 | QFGN, UL SUDITAITIE=2,3,4,7,0,9) | Y | 3.91 | 70.47 | 17.00 | | 00.0 | |
| | | Z | 4.23 | 70.17 | 17.62 | | 80.0 | |
| 10492- | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, | X | 4.23 | 71.98 | 18.53 | 2.02 | 80.0 | +000 |
| AAC | 16-QAM, UL Subframe=2,3,4,7,8,9) | | | 69.38 | 17.79 | 2.23 | 80.0 | ± 9.6 % |
| | | 1 | 3.99 | 67.95 | 16.95 | | 80.0 | <u> </u> |
| | | Z | 4.14 | 69.05 | 17.51 | L | 80.0 | |

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| 10400 | 1. 77 77 70 70 70 70 70 70 70 70 70 70 70 | | | | | | | |
|---------------|---|----------|------|----------------|----------------|----------|--------------|--|
| 10493- AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 4.19 | 69.21 | 17.72 | 2.23 | 80.0 | ± 9.6 % |
| | 04-QAW, OL Subitaine-2,3,4,7,6,9) | Y | 4.07 | 67.86 | 46.00 | | 00.0 | |
| | | Z | 4.07 | 68.91 | 16.93 17.46 | <u> </u> | 80.0 80.0 | |
| 10494- | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, | X | 4.78 | 74.65 | 19.59 | 2.23 | 80.0 | ± 9.6 % |
| AAC | QPSK, UL Subframe=2,3,4,7,8,9) | ^ | 4.70 | 14.00 | 15.55 | 2.23 | 00.0 | 1 9.0 % |
| | | Y | 4.19 | 71.48 | 18.00 | | 80.0 | |
| | | Z | 4.61 | 73.56 | 19.01 | | 80.0 | |
| 10495- | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, | X | 4.18 | 69.82 | 18.00 | 2.23 | 80.0 | ± 9.6 % |
| AAC | 16-QAM, UL Subframe=2,3,4,7,8,9) | | | | | | | |
| | | Y | 4.02 | 68.34 | 17.12 | | 80.0 | |
| 40400 | 175 | Z | 4.18 | 69.45 | 17.71 | | 80.0 | |
| 10496- AAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, | X | 4.24 | 69.47 | 17.88 | 2.23 | 80.0 | ± 9.6 % |
| AAC | 64-QAM, UL Subframe=2,3,4,7,8,9) | V | 4.44 | 00.40 | 1- 2- | | | |
| | | Y | 4.11 | 68.12 | 17.07 | | 80.0 | |
| 10497- | LTE-TDD (SC-FDMA, 100% RB, 1.4 | X | 4.26 | 69.16 | 17.62 | | 80.0 | |
| AAA | MHz, QPSK, UL Subframe=2,3,4,7,8,9) | ^ | 2.93 | 71.34 | 15.73 | 2.23 | 80.0 | ± 9.6 % |
| 7001 | 11112, Q1 011, 02 Odbitaine=2,5,4,7,6,9) | Y | 2.32 | 67.40 | 44 20 | | | |
| | | Z | 2.63 | 67.42 69.37 | 14.30 14.82 | <u> </u> | 80.0 | |
| 10498- | LTE-TDD (SC-FDMA, 100% RB, 1.4 | X | 2.00 | 63.90 | 11.38 | 2.23 | 80.0 80.0 | +060 |
| AAA | MHz, 16-QAM, UL | ^ | 2.00 | 00.30 | 11.36 | 2.23 | 80.0 | ± 9.6 % |
| | Subframe=2,3,4,7,8,9) | | | | | | | |
| | | Υ | 2.08 | 63.63 | 11.61 | | 80.0 | |
| | | Z | 1.97 | 63.35 | 11.05 | | 80.0 | |
| 10499- | LTE-TDD (SC-FDMA, 100% RB, 1.4 | Х | 1.91 | 63.18 | 10.88 | 2.23 | 80.0 | ± 9.6 % |
| AAA | MHz, 64-QAM, UL | | | | | | | |
| | Subframe=2,3,4,7,8,9) | | | | <u> </u> | | | |
| | | Y | 2.05 | 63.20 | 11.27 | | 80.0 | |
| 10500- | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, | Z | 1.90 | 62.73 | 10.60 | | 80.0 | |
| AAA | QPSK, UL Subframe=2,3,4,7,8,9) | Х | 4.14 | 75.62 | 19.65 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 3.33 | 70.97 | 17.55 | | 80.0 | |
| 40504 | | Z | 3.88 | 73.98 | 18.83 | | 80.0 | |
| 10501- AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.78 | 71.02 | 17.45 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 3.43 | 68.51 | 16.31 | | 80.0 | |
| | | Z | 3.71 | 70.25 | 16.99 | | 80.0 | |
| 10502- AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.83 | 70.81 | 17.31 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 3.50 | 68.43 | 16.23 | | 80.0 | |
| | | Z | 3.76 | 70.08 | 16.86 | | 80.0 | |
| 10503- AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | Х | 4.20 | 74.78 | 19.68 | 2.23 | 80.0 | ±9.6 % |
| | | Y | 3.57 | 70.97 | 17.83 | | 80.0 | |
| | | Z | 4.02 | 73.47 | 18.99 | | 80.0 | |
| 10504- AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.82 | 70.31 | 17.88 | 2.23 | 80.0 | ± 9.6 % |
| | - | Υ | 3.59 | 68.32 | 16.83 | | 80.0 | <u> </u> |
| | | Z | 3.81 | 69.79 | 17.51 | | 80.0 | <u> </u> |
| 10505- AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.90 | 70.07 | 17.79 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 3.70 | 68.21 | 16.81 | | 80.0 | |
| | | Z | 3.89 | 69.59 | 17.44 | | 80.0 | |
| 10506- AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 4.74 | 74.49 | 19.51 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 4.16 | 71.34 | 17.93 | | 80.0 | · - |
| | | Z | 4.58 | 73.41 | 18.94 | | 80.0 | |
| 10507- AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | Х | 4.16 | 69.76 | 17.96 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 4.01 | 68.27 | 17.08 | | 80.0 | |
| | | Z | 4.17 | 69.39 | 17.67 | | 80.0 | |

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| 10508- AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL | Х | 4.23 | 69.40 | 17.84 | 2.23 | 80.0 | ± 9.6 % |
|---------------|---|---|--------------|----------------|----------------|-------------|----------------|---------|
| | Subframe=2,3,4,7,8,9) | | | | | | | |
| | 10,7,1,70,0 | Y | 4.10 | 68.05 | 17.03 | | 80.0 | |
| | | Z | 4.24 | 69.09 | 17.58 | _ | 80.0 | |
| 10509- AAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 4.93 | 72.70 | 18.79 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 4.54 | 70.50 | 17.61 | | 80.0 | |
| | | Z | 4.85 | 72.01 | 18.38 | | 80.0 | |
| 10510- AAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | × | 4.63 | 69.33 | 17.86 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 4.52 | 68.21 | 17.15 | | 80.0 | |
| | | Z | 4.65 | 69.07 | 17.63 | | 80.0 | |
| 10511- AAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | × | 4.66 | 69.03 | 17.77 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 4.58 | 67.99 | 17.10 | | 80.0 | |
| | | Z | 4.69 | 68.81 | 17.56 | | 80.0 | |
| 10512- AAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 5.30 | 74.65 | 19.41 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 4.69 | 71.80 | 17.99 | | 80.0 | |
| | | Z | 5.13 | 73.66 | 18.90 | | 80.0 | |
| 10513- AAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 4.53 | 69.68 | 18.00 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 4.40 | 68.46 | 17.23 | | 80.0 | |
| | | Z | 4.54 | 69.37 | 17.75 | | 80.0 | |
| 10514- AAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 4.52 | 69.18 | 17.85 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 4.43 | 68.08 | 17.14 | | 80.0 | |
| | | Z | 4.55 | 68.93 | 17.62 | | 80.0 | |
| 10515- AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) | × | 0.96 | 62.64 | 14.21 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 0.93 | 61.44 | 13.05 | | 150.0 | |
| 40540 | 1555 000 445 MUSI 0 4 OUT (DOOD 5 5 | Z | 0.95 | 62.11 | 13.67 | | 150.0 | |
| 10516- AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) | X | 0.52 | 67.26 | 15.36 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 0.43 | 62.99 | 12.24 | | 150.0 | |
| 10517 | IEEE 000 445 WIE: 2 4 CH- (DCCC 44 | Z | 0.47 | 64.70 | 13.68 | 0.00 | 150.0 | 1000 |
| 10517- AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) | X | 0.80 | 64.11 | 14.55 | 0.00 | 150.0 | ± 9.6 % |
| | | Z | 0.75 0.78 | 62.20 63.15 | 12.91 13.76 | | 150.0 150.0 | |
| 10518- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) | X | 4.52 | 66.57 | 16.08 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.54 | 66.18 | 15.76 | | 150.0 | |
| | | Z | 4.50 | 66.43 | 15.93 | | 150.0 | |
| 10519- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) | X | 4.71 | 66.81 | 16.20 | 0.00 | 150.0 | ± 9.6 % |
| - | | Υ | 4.74 | 66.45 | 15.91 | | 150.0 | |
| | | Z | 4.69 | 66.67 | 16.06 | | 150.0 | |
| 10520- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) | X | 4.56 | 66.76 | 16.12 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.58 | 66.39 | 15.81 | <u></u> | 150.0 | ļ |
| 10521- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) | X | 4.54 4.49 | 66.61 66.75 | 15.96 16.10 | 0.00 | 150.0 150.0 | ± 9.6 % |
| | pu, cope and ojoio/ | Y | 4.52 | 66.37 | 15.78 | | 150.0 | |
| | | ż | 4.47 | 66.59 | 15.94 | | 150.0 | |
| 10522- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) | X | 4.55 | 66.84 | 16.19 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.57 | 66.42 | 15.85 | | 150.0 | |
| | | Z | 4.53 | 66.69 | 16.03 | | 150.0 | |

| 10523- | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 | V | 1.40 | 00.70 | 10.00 | 0.00 | 1 450.0 | |
|---------------|---|--|------|----------------|-------------|--|----------------|-------------|
| AAA | Mbps, 99pc duty cycle) | X | 4.43 | 66.70 | 16.03 | 0.00 | 150.0 | ± 9.6 % |
| ,,,,, | ivibbs, cope daty cycle) | Y | 4.44 | 66.28 | 15.69 | - | 150.0 | |
| | | Ż | 4.41 | 66.55 | 15.88 | | 150.0 | |
| 10524- | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 | X | 4.49 | 66.76 | 16.15 | 0.00 | 150.0 | ± 9.6 % |
| AAA | Mbps, 99pc duty cycle) | ^ | 4.40 | 00.70 | 10.13 | 0.00 | 130.0 | 1 9.0 % |
| | | Y | 4.52 | 66.35 | 15.82 | | 150.0 | |
| | | Ż | 4.47 | 66.60 | 16.00 | | 150.0 | |
| 10525- | IEEE 802.11ac WiFi (20MHz, MCS0, | X | 4.48 | 65.81 | 15.74 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | | | | | 3.55 | | -0.0 % |
| | | Υ | 4.48 | 65.39 | 15.41 | | 150.0 | |
| | | Z | 4.46 | 65.66 | 15.59 | | 150.0 | |
| 10526- | IEEE 802.11ac WiFi (20MHz, MCS1, | X | 4.65 | 66.17 | 15.89 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | | | | | | <u> </u> | |
| | | Y | 4.66 | 65.76 | 15.55 | | 150.0 | |
| 10527- | IEEE 000 44 - WEE (OOM) A MOOO | Z | 4.62 | 66.01 | 15.73 | | 150.0 | |
| AAA | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) | X | 4.57 | 66.12 | 15.83 | 0.00 | 150.0 | ± 9.6 % |
| 7/// | 99pc duty cycle) | , | 4.50 | 05.74 | 1-10 | | | |
| | | Z | 4.58 | 65.71 | 15.49 | | 150.0 | |
| 10528- | IEEE 802.11ac WiFi (20MHz, MCS3, | X | 4.54 | 65.96 | 15.67 | 0.00 | 150.0 | |
| AAA | 99pc duty cycle) | ^ | 4.58 | 66.14 | 15.86 | 0.00 | 150.0 | ± 9.6 % |
| | Jopo daty dyoic) | Y | 4.60 | 65.73 | 15.52 | | 450.0 | |
| | | Ż | 4.56 | 65.98 | 15.70 | | 150.0 | |
| 10529- | IEEE 802.11ac WiFi (20MHz, MCS4, | X | 4.58 | 66.14 | 15.86 | 0.00 | 150.0 150.0 | + 0 6 0/ |
| AAA | 99pc duty cycle) | ^ | 4.00 | 00.14 | 13.00 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.60 | 65.73 | 15.52 | | 150.0 | |
| | | Z | 4.56 | 65.98 | 15.70 | | 150.0 | |
| 10531- | IEEE 802.11ac WiFi (20MHz, MCS6, | X | 4.57 | 66.24 | 15.87 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | | | | | 0.00 | 100.0 | 1 3.0 % |
| | | Y | 4.59 | 65.83 | 15.53 | | 150.0 | |
| | | Z | 4.54 | 66.07 | 15.71 | | 150.0 | |
| 10532- | IEEE 802.11ac WiFi (20MHz, MCS7, | X | 4.43 | 66.09 | 15.80 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | | | | | | | |
| | | Y | 4.45 | 65.67 | 15.46 | | 150.0 | |
| | | Z | 4.41 | 65.92 | 15.63 | | 150.0 | |
| 10533- | IEEE 802.11ac WiFi (20MHz, MCS8, | X | 4.59 | 66.19 | 15.85 | 0.00 | 150.0 | ± 9.6 % |
| _AAA | 99pc duty cycle) | | | | | | | |
| | | Y | 4.60 | 65.76 | 15.51 | | 150.0 | |
| 40504 | 1555 000 44 MIS (400 M) | Z | 4.57 | 66.03 | 15.69 | | 150.0 | |
| 10534- AAA | IEEE 802.11ac WiFi (40MHz, MCS0, | X | 5.12 | 66.27 | 15.94 | 0.00 | 150.0 | ± 9.6 % |
| | 99pc duty cycle) | -,,- | | | | | | |
| | | Y | 5.13 | 65.96 | 15.65 | | 150.0 | |
| 10535- | IEEE 802.11ac WiFi (40MHz, MCS1, | Z | 5.10 | 66.14 | 15.80 | | 150.0 | |
| AAA | 99pc duty cycle) | X | 5.19 | 66.45 | 16.01 | 0.00 | 150.0 | ± 9.6 % |
| | | T | 5.19 | 66 11 | 45.74 | | 450.0 | |
| | | Z | 5.19 | 66.11 66.31 | 15.71 | | 150.0 | |
| 10536- | IEEE 802.11ac WiFi (40MHz, MCS2, | X | 5.05 | 66.39 | 15.88 | 0.00 | 150.0 | 1000 |
| AAA | 99pc duty cycle) | ^ | 5.05 | 00.38 | 15.97 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.06 | 66.05 | 15.67 | | 150.0 | |
| | | Z | 5.03 | 66.25 | 15.83 | | 150.0 | |
| 10537- | IEEE 802.11ac WiFi (40MHz, MCS3, | $\frac{1}{x}$ | 5.11 | 66.36 | 15.96 | 0.00 | 150.0 | +060/ |
| AAA | 99pc duty cycle) | `` | 2 | 33.30 | 10.30 |] 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.12 | 66.04 | 15.66 | | 150.0 | |
| | | Z | 5.09 | 66.23 | 15.82 | | 150.0 | |
| 10538- | IEEE 802.11ac WiFi (40MHz, MCS4, | X | 5.20 | 66.39 | 16.01 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | | | | | 5.55 | .55.5 | ± 0.0 /0 |
| | | Y | 5.23 | 66.10 | 15.74 | | 150.0 | |
| 40540 | | Z | 5.18 | 66.26 | 15.88 | | 150.0 | |
| 10540- | IEEE 802.11ac WiFi (40MHz, MCS6, | X | 5.14 | 66.41 | 16.03 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | <u> </u> | | | | | | /0 |
| | | Y | 5.14 | 66.07 | 15.73 | | 150.0 | |
| | 1 | Z | 5.11 | 66.27 | 15.89 | | 150.0 | |

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| | | , , | | | | | | |
|---------------|--|--|------|----------------|----------------|------|----------------|----------|
| 10541- | IEEE 802.11ac WiFi (40MHz, MCS7, | X | 5.11 | 66.27 | 15.96 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | Y | 5.12 | 65.00 | 45.00 | | 450.0 | |
| | - | Z | 5.12 | 65.96 66.14 | 15.68 15.82 | | 150.0 150.0 | |
| 10542- | IEEE 802.11ac WiFi (40MHz, MCS8, | X | 5.26 | 66.35 | 16.01 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | ^ | 0.20 | 00.00 | 10.01 | 0.00 | 100.0 | 1 3.0 70 |
| | 1 | TY | 5.28 | 66.05 | 15.74 | | 150.0 | |
| | | Z | 5.24 | 66.23 | 15.88 | | 150.0 | |
| 10543- | IEEE 802.11ac WiFi (40MHz, MCS9, | X | 5.34 | 66.39 | 16.05 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | 1 | | | | | | |
| | | Y | 5.36 | 66.09 | 15.78 | | 150.0 | |
| 40544 | 1555 000 44 MUST (000 M I - MOOO | Z | 5.32 | 66.26 | 15.92 | 0.00 | 150.0 | 1000 |
| 10544- | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle) | X | 5.43 | 66.40 | 15.94 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | 1 | 5.43 | 66.12 | 15.68 | | 150.0 | • |
| | | Ż | 5.41 | 66.29 | 15.82 | - | 150.0 | |
| 10545- | IEEE 802.11ac WiFi (80MHz, MCS1, | | 5.62 | 66.80 | 16.09 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | | | | | | | |
| | | Y | 5.62 | 66.50 | 15.82 | | 150.0 | |
| | | Z | 5.59 | 66.67 | 15.96 | | 150.0 | |
| 10546- | IEEE 802.11ac WiFi (80MHz, MCS2, | X | 5.49 | 66.61 | 16.01 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | 4 | | 0000 | 4 | | 450.5 | ļ |
| | | Y | 5.51 | 66.35 | 15.75 | | 150.0 | |
| | 1777 000 11 1117: (00111 11000 | Z | 5.47 | 66.48 | 15.88 | 0.00 | 150.0 | 1000 |
| 10547- | IEEE 802.11ac WiFi (80MHz, MCS3, | X | 5.56 | 66.64 | 16.02 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | TY | 5.59 | 66.41 | 15.78 | | 150.0 | |
| _ | | Ż | 5.54 | 66.52 | 15.90 | | 150.0 | |
| 10548- | IEEE 802.11ac WiFi (80MHz, MCS4, | $\frac{1}{x}$ | 5.79 | 67.52 | 16.43 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | ^ | 0.70 | 01.02 | | 0.00 | 100.0 | 20.0 % |
| ,,,,, | | Y | 5.83 | 67.28 | 16.18 | | 150.0 | |
| | | Z | 5.75 | 67.34 | 16.28 | | 150.0 | |
| 10550- | IEEE 802.11ac WiFi (80MHz, MCS6, | X | 5.52 | 66.62 | 16.02 | 0.00 | 150.0 | ± 9.6 % |
| AAA | 99pc duty cycle) | | | | | | | |
| | | Υ | 5.53 | 66.33 | 15.76 | | 150.0 | |
| | | Z | 5.50 | 66.50 | 15.90 | 0.00 | 150.0 | 1000 |
| 10551- AAA | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle) | Х | 5.53 | 66.66 | 16.01 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.54 | 66.38 | 15.74 | | 150.0 | |
| | | Z | 5.50 | 66.54 | 15.88 | | 150.0 | |
| 10552- AAA | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle) | X | 5.44 | 66.47 | 15.92 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 5.45 | 66.18 | 15.65 | | 150.0 | |
| | | Z | 5.42 | 66.36 | 15.80 | | 150.0 | |
| 10553- AAA | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle) | Х | 5.53 | 66.51 | 15.97 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.54 | 66.25 | 15.72 | | 150.0 | |
| | | Z | 5.51 | 66.40 | 15.85 | | 150.0 | |
| 10554- AAB | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle) | X | 5.84 | 66.77 | 16.03 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.83 | 66.51 | 15.79 | | 150.0 | |
| | | Z | 5.82 | 66.66 | 15.92 | | 150.0 | |
| 10555- AAB | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle) | X | 5.96 | 67.06 | 16.16 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 5.96 | 66.80 | 15.91 | | 150.0 | |
| | | Z | 5.94 | 66.94 | 16.04 | | 150.0 | <u> </u> |
| 10556- AAB | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle) | Х | 5.98 | 67.11 | 16.18 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.98 | 66.84 | 15.92 | | 150.0 | |
| | | Z | 5.96 | 66.99 | 16.06 | | 150.0 | |
| 10557- AAB | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) | X | 5.95 | 67.02 | 16.15 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.96 | 66.77 | 15.91 | | 150.0 | |
| | | Z | 5.93 | 66.90 | 16.03 | | 150.0 | |

| 10558- AAB | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle) | X | 6.00 | 67.17 | 16.24 | 0.00 | 150.0 | ± 9.6 % |
|---------------|---|----|--------------|----------------|----------------|-------------|----------------|-------------|
| | cope duty cycle) | Y | 6.01 | 66.93 | 16.04 | | 450.0 | |
| | | Z | 5.97 | 67.05 | 16.01 16.12 | | 150.0 | |
| 10560- AAB | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle) | X | 5.99 | 67.04 | 16.12 | 0.00 | 150.0 150.0 | ± 9.6 % |
| 7470 | | Y | 6.04 | 60.00 | 45.00 | | 1 | |
| | | Z | 6.01 | 66.80 | 15.98 | <u> </u> | 150.0 | |
| 10561- | IEEE 802.11ac WiFi (160MHz, MCS7, | X | 5.97 5.92 | 66.92 | 16.10 | 0.00 | 150.0 | <u> </u> |
| AAB | 99pc duty cycle) | | | 67.00 | 16.23 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.92 | 66.75 | 15.99 | | 150.0 | |
| 10562- | IEEE 802.11ac WiFi (160MHz, MCS8, | Z | 5.89 | 66.88 | 16.11 | | 150.0 | |
| AAB | 99pc duty cycle) | | 6.03 | 67.37 | 16.42 | 0.00 | 150.0 | ± 9.6 % |
| | | 7 | 6.05 | 67.15 | 16.19 | | 150.0 | |
| 10563- | IEEE 802.11ac WiFi (160MHz, MCS9, | Z | 6.00 | 67.23 | 16.29 | | 150.0 | |
| AAB | 99pc duty cycle) | X | 6.25 | 67.63 | 16.51 | 0.00 | 150.0 | ± 9.6 % |
| · | | Υ_ | 6.38 | 67.69 | 16.41 | | 150.0 | |
| 10564- | IEEE 200 445 WEE 0 4 OU - (DOOD | Z | 6.21 | 67.45 | 16.35 | | 150.0 | |
| AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle) | X | 4.86 | 66.69 | 16.27 | 0.46 | 150.0 | ± 9.6 % |
| | | Υ | 4.88 | 66.33 | 15.98 | | 150.0 | |
| 40505 | | Z | 4.84 | 66.56 | 16.13 | | 150.0 | |
| 10565- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle) | X | 5.08 | 67.12 | 16.58 | 0.46 | 150.0 | ± 9.6 % |
| | | Υ | 5.12 | 66.81 | 16.31 | | 150.0 | |
| 40500 | | Z | 5.06 | 67.00 | 16.45 | | 150.0 | |
| 10566- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle) | X | 4.92 | 66.97 | 16.40 | 0.46 | 150.0 | ± 9.6 % |
| | | Y | 4.95 | 66.64 | 16.12 | | 150.0 | |
| | | Z | 4.90 | 66.84 | 16.26 | | 150.0 | |
| 10567- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle) | X | 4.94 | 67.33 | 16.73 | 0.46 | 150.0 | ± 9.6 % |
| | | Y | 4.97 | 67.01 | 16.46 | | 150.0 | |
| | | Z | 4.92 | 67.21 | 16.60 | | 150.0 | |
| 10568- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle) | X | 4.83 | 66.77 | 16.19 | 0.46 | 150.0 | ± 9.6 % |
| | | Y | 4.86 | 66.38 | 15.87 | | 150.0 | |
| | | Z | 4.81 | 66.62 | 16.04 | | 150.0 | |
| 10569- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle) | Х | 4.90 | 67.41 | 16.79 | 0.46 | 150.0 | ± 9.6 % |
| | | Y | 4.92 | 67.06 | 16.50 | | 150.0 | |
| | | Z | 4.88 | 67.30 | 16.67 | | 150.0 | |
| 10570- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle) | X | 4.93 | 67.27 | 16.73 | 0.46 | 150.0 | ± 9.6 % |
| | | Y | 4.96 | 66.93 | 16.44 | | 150.0 | |
| | | Z | 4.91 | 67.15 | 16.60 | | 150.0 | |
| 10571- AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) | Х | 1.19 | 64.39 | 15.42 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 1.15 | 62.99 | 14.19 | | 130.0 | |
| | | Z | 1.19 | 63.89 | 14.90 | | 130.0 | |
| 10572- AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) | X | 1.20 | 64.93 | 15.75 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 1.16 | 63.39 | 14.44 | | 130.0 | |
| | | Z | 1.20 | 64.36 | 15.20 | | 130.0 | |
| 10573- AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) | X | 1.89 | 82.87 | 21.90 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 0.91 | 69.55 | 15.77 | | 130.0 | |
| | | | | | | | | |
| | | Z | 1.25 | /5.14 | เาะเกา | | 1 130 O | |
| 10574- AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) | X | 1.25 1.30 | 75.14 70.12 | 18.61 18.33 | 0.46 | 130.0 130.0 | ± 9.6 % |
| | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) | | | | | 0.46 | | ± 9.6 % |

| 40575 | | 1 1/1 | 4.05 | | | | | |
|---------------|---|-------|------|-------|-------|--------------|----------------|--|
| 10575- | IEEE 802.11g WiFi 2.4 GHz (DSSS- | X | 4.65 | 66.50 | 16.34 | 0.46 | 130.0 | ± 9.6 % |
| AAA | OFDM, 6 Mbps, 90pc duty cycle) | Y | 4.67 | 66.15 | 16.04 | | 120.0 | <u> </u> |
| | | Z | 4.64 | 66.39 | 16.04 | | 130.0 130.0 | |
| 10576- | IEEE 802.11g WiFi 2.4 GHz (DSSS- | X | 4.67 | 66.66 | 16.40 | 0.46 | | +06% |
| AAA | OFDM, 9 Mbps, 90pc duty cycle) | | | | | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.70 | 66.30 | 16.11 | | 130.0 | |
| | | Z | 4.66 | 66.55 | 16.27 | | 130.0 | |
| 10577- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle) | X | 4.87 | 66.95 | 16.57 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.91 | 66.62 | 16.29 | | 130.0 | |
| | | Z | 4.86 | 66.83 | 16.44 | | 130.0 | |
| 10578- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle) | Х | 4.77 | 67.08 | 16.66 | 0.46 | 130.0 | ± 9.6 % |
| | | Υ | 4.81 | 66.76 | 16.38 | | 130.0 | |
| | | Z | 4.76 | 66.98 | 16.53 | | 130.0 | |
| 10579- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle) | X | 4.54 | 66.42 | 16.01 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.57 | 66.06 | 15.69 | | 130.0 | |
| | | Z | 4.52 | 66.28 | 15.85 | | 130.0 | |
| 10580- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle) | Х | 4.59 | 66.47 | 16.04 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.62 | 66.07 | 15.70 | | 130.0 | i |
| | | Z | 4.57 | 66.32 | 15.88 | | 130.0 | |
| 10581- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle) | Х | 4.67 | 67.12 | 16.60 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.70 | 66.77 | 16.30 | | 130.0 | |
| | | Z | 4.65 | 67.00 | 16.47 | | 130.0 | |
| 10582- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle) | Х | 4.49 | 66.19 | 15.81 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.53 | 65.83 | 15.48 | | 130.0 | |
| | | Z | 4.47 | 66.05 | 15.65 | | 130.0 | |
| 10583- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) | X | 4.65 | 66.50 | 16.34 | 0.46 | 130.0 | ± 9.6 % |
| · | | Y | 4.67 | 66.15 | 16.04 | | 130.0 | |
| - | | Z | 4.64 | 66.39 | 16.21 | | 130.0 | |
| 10584- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) | X | 4.67 | 66.66 | 16.40 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.70 | 66.30 | 16.11 | | 130.0 | |
| | | Z | 4.66 | 66.55 | 16.27 | | 130.0 | |
| 10585- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) | Х | 4.87 | 66.95 | 16.57 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.91 | 66.62 | 16.29 | | 130.0 | |
| | | Z | 4.86 | 66.83 | 16.44 | | 130.0 | |
| 10586- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) | Х | 4.77 | 67.08 | 16.66 | 0.46 | 130.0 | ± 9.6 % |
| | | Υ | 4.81 | 66.76 | 16.38 | | 130.0 | |
| | | Z | 4.76 | 66.98 | 16.53 | | 130.0 | |
| 10587- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) | X | 4.54 | 66.42 | 16.01 | 0.46 | 130.0 | ± 9.6 % |
| | | Υ | 4.57 | 66.06 | 15.69 | | 130.0 | |
| | | Z | 4.52 | 66.28 | 15.85 | | 130.0 | |
| 10588- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) | X | 4.59 | 66.47 | 16.04 | 0.46 | 130.0 | ± 9.6 % |
| | | Υ | 4.62 | 66.07 | 15.70 | | 130.0 | |
| | | Z | 4.57 | 66.32 | 15.88 | | 130.0 | |
| 10589- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle) | Х | 4.67 | 67.12 | 16.60 | 0.46 | 130.0 | ± 9.6 % |
| | | Υ | 4.70 | 66.77 | 16.30 | | 130.0 | |
| | | Z | 4.65 | 67.00 | 16.47 | | 130.0 | |
| 10590- AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) | Х | 4.49 | 66.19 | 15.81 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.53 | 65.83 | 15.48 | | 130.0 | |
| | | , , , | 4.55 | 00.00 | 10.40 | | 1 130.0 | |

| 10591- | IEEE 802.11n (HT Mixed, 20MHz, | Тх | 4.80 | 66.56 | 16.44 | 0.46 | 1 420 0 | 1060 |
|---------------|---|----------|--------------|----------------|----------------|------|----------------|---------|
| AAA | MCS0, 90pc duty cycle) | ^ | 4.00 | 00.00 | 10.44 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.83 | 66.24 | 16.16 | | 130.0 | |
| | | Z | 4.79 | 66.46 | 16.32 | | 130.0 | |
| 10592- AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle) | Х | 4.95 | 66.89 | 16.57 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.99 | 66.58 | 16.29 | | 130.0 | |
| 10502 | 1555 000 44 - (1574 t) 1 000 t) | Z | 4.94 | 66.79 | 16.45 | | 130.0 | |
| 10593- AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle) | X | 4.87 | 66.81 | 16.46 | 0.46 | 130.0 | ± 9.6 % |
| | | Z | 4.91 | 66.49 | 16.18 | | 130.0 | |
| 10594- AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) | X | 4.86 4.93 | 66.69 66.97 | 16.33 16.61 | 0.46 | 130.0 130.0 | ± 9.6 % |
| | | Y | 4.97 | 66.65 | 16.33 | | 130.0 | |
| | | Z | 4.91 | 66.86 | 16.48 | | 130.0 | |
| 10595- AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle) | Х | 4.89 | 66.92 | 16.51 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.93 | 66.60 | 16.22 | | 130.0 | |
| 10506 | IEEE 902 44- /UT Miles 1 000 11 | Z | 4.88 | 66.81 | 16.38 | | 130.0 | |
| 10596- AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle) | X | 4.83 | 66.92 | 16.51 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 4.87 | 66.58 | 16.21 | | 130.0 | |
| 10597- | IEEE 802.11n (HT Mixed, 20MHz, | Z | 4.82 4.78 | 66.80 | 16.37 | 0.10 | 130.0 | |
| AAA | MCS6, 90pc duty cycle) | Ŷ | 4.76 | 66.83 | 16.40 | 0.46 | 130.0 | ± 9.6 % |
| | | Z | 4.02 | 66.49 66.70 | 16.10 | | 130.0 | |
| 10598- AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle) | X | 4.76 | 67.04 | 16.26 16.64 | 0.46 | 130.0 130.0 | ± 9.6 % |
| | | Y | 4.80 | 66.73 | 16.36 | | 130.0 | |
| | | Z | 4.75 | 66.92 | 16.51 | | 130.0 | |
| 10599- AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle) | X | 5.47 | 67.12 | 16.66 | 0.46 | 130.0 | ± 9.6 % |
| | | Υ | 5.50 | 66.85 | 16.41 | | 130.0 | |
| 10600- | IEEE 000 44 - (UT Mind A 40MU) | Z | 5.46 | 67.03 | 16.55 | | 130.0 | |
| AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle) | X | 5.59 | 67.50 | 16.83 | 0.46 | 130.0 | ± 9.6 % |
| | | <u> </u> | 5.65 | 67.29 | 16.59 | | 130.0 | |
| 10601- AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) | X | 5.57 5.49 | 67.38 67.27 | 16.70 16.73 | 0.46 | 130.0 130.0 | ± 9.6 % |
| | | Y | 5.53 | 67.02 | 16.48 | | 130.0 | |
| | | Z | 5.47 | 67.16 | 16.60 | | 130.0 | |
| 10602- AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle) | X | 5.58 | 67.30 | 16.67 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 5.61 | 67.01 | 16.39 | | 130.0 | |
| 10600 | | Z | 5.57 | 67.20 | 16.54 | | 130.0 | |
| 10603- AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) | X | 5.66 | 67.60 | 16.94 | 0.46 | 130.0 | ± 9.6 % |
| | | Z | 5.71 | 67.36 | 16.69 | | 130.0 | |
| 10604- | IEEE 802.11n (HT Mixed, 40MHz, | X | 5.64 5.48 | 67.49 67.09 | 16.82 | 0.40 | 130.0 | . 0 0 0 |
| AAA | MCS5, 90pc duty cycle) | 1 | 5.50 | 66.81 | 16.68 16.41 | 0.46 | 130.0 | ± 9.6 % |
| | | Z | 5.47 | 67.01 | 16.41 | | 130.0 130.0 | |
| 10605- AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) | X | 5.58 | 67.41 | 16.84 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 5.60 | 67.10 | 16.55 | | 130.0 | |
| | | Z | 5.56 | 67.29 | 16.71 | | 130.0 | |
| 10606- AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) | X | 5.34 | 66.79 | 16.39 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 5.38 | 66.58 | 16.15 | | 130.0 | |
| | | Z | 5.32 | 66.67 | 16.26 | | 130.0 | |

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| | 1 | 1 N T | | | | | | |
|---------------|---|-----------------------|--|--|---|----------|---|--------------------|
| 10607- | IEEE 802.11ac WiFi (20MHz, MCS0, | × | 4.63 | 65.86 | 16.06 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | Y | 4.65 | 65.48 | 15.74 | | 130.0 | |
| | | Z | 4.62 | 65.75 | 15.74 | | 130.0 | |
| 10608- | IEEE 802.11ac WiFi (20MHz, MCS1, | | 4.82 | 66.26 | 16.22 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | ^ | 4.02 | 00.20 | 10.22 | 0.40 | 130.0 | 1 3.0 % |
| 70.01 | Cope daty dyoic) | Y | 4.84 | 65.89 | 15.91 | | 130.0 | |
| - | | Ż | 4.80 | 66.14 | 16.09 | | 130.0 | |
| 10609- | IEEE 802.11ac WiFi (20MHz, MCS2, | | 4.71 | 66.12 | 16.06 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | `` | | | | | '' | |
| | | Y | 4.73 | 65.73 | 15.74 | | 130.0 | - |
| | | Z | 4.69 | 65.98 | 15.92 | | 130.0 | |
| 10610- | IEEE 802.11ac WiFi (20MHz, MCS3, | X | 4.76 | 66.27 | 16.22 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | | | | | | | |
| | | Y | 4.78 | 65.89 | 15.91 | | 130.0 | |
| | | Z | 4.74 | 66.14 | 16.08 | | 130.0 | |
| 10611- | IEEE 802.11ac WiFi (20MHz, MCS4, | X | 4.67 | 66.08 | 16.07 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | | | | | | | |
| | | Υ | 4.70 | 65.71 | 15.76 | | 130.0 | |
| | | Z | 4.66 | 65.95 | 15.93 | | 130.0 | |
| 10612- | IEEE 802.11ac WiFi (20MHz, MCS5, | X | 4.68 | 66.24 | 16.12 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | | | 07.55 | 4=== | | 100.5 | |
| | | Y | 4.71 | 65.83 | 15.78 | ļ | 130.0 | |
| | | Z | 4.66 | 66.09 | 15.97 | | 130.0 | |
| 10613- | IEEE 802.11ac WiFi (20MHz, MCS6, | X | 4.69 | 66.12 | 16.01 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | | 4.70 | 6F 7F | 15.68 | | 130.0 | |
| | | Y | 4.72 4.67 | 65.75 65.98 | 15.86 | | 130.0 | |
| 40044 | IEEE 000 44 MIEI (20MI MCS7 | $\frac{2}{X}$ | 4.63 | 66.28 | 16.22 | 0.46 | 130.0 | ± 9.6 % |
| 10614- | IEEE 802.11ac WiFi (20MHz, MCS7, | ^ | 4.03 | 00.20 | 10.22 | 0.40 | 130.0 | 1 9.0 % |
| AAA | 90pc duty cycle) | TY | 4.65 | 65.91 | 15.91 | | 130.0 | |
| _ | | Ż | 4.61 | 66.15 | 16.08 | | 130.0 | |
| 10615- | IEEE 802.11ac WiFi (20MHz, MCS8, | X | 4.68 | 65.93 | 15.87 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | ^ | 4.00 | 00.00 | 10.0. | 0.40 | 100.0 | 1 20.0 % |
| 7001 | Joseph Garly Gyolog | Y | 4.70 | 65.53 | 15.53 | | 130.0 | |
| | | Z | 4.66 | 65.79 | 15.72 | | 130.0 | |
| 10616- | IEEE 802.11ac WiFi (40MHz, MCS0, | X | 5.28 | 66.36 | 16.26 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | | | | | | | |
| | | Y | 5.31 | 66.07 | 16.00 | | 130.0 | |
| | | Z | 5.27 | 66.25 | 16.14 | | 130.0 | |
| 10617- | IEEE 802.11ac WiFi (40MHz, MCS1, | Х | 5.35 | 66.53 | 16.32 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | | | | | | | |
| | | Υ | 5.36 | 66.19 | 16.02 | | 130.0 | |
| | | Z | 5.33 | 66.41 | 16.19 | | 130.0 | |
| 10618- | IEEE 802.11ac WiFi (40MHz, MCS2, | X | 5.23 | 66.53 | 16.33 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | | | | | | | |
| | | Υ | 5.25 | 66.22 | 16.05 | | 130.0 | |
| | | Z | 5.22 | 66.41 | 16.21 | | 130.0 | |
| 10619- | IEEE 802.11ac WiFi (40MHz, MCS3, | X | 5.25 | 66.35 | 16.18 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | | | <u> </u> | | | | |
| | I | Y | 5.28 | 66.06 | 15.91 | <u> </u> | 130.0 | |
| | | | 5.23 | 66.23 | 16.06 | <u> </u> | 130.0 | |
| 10000 | | Z | | | | | | |
| 10620- | IEEE 802.11ac WiFi (40MHz, MCS4, | X | 5.34 | 66.40 | 16.26 | 0.46 | 130.0 | ± 9.6 % |
| 10620- AAA | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) | Х | 5.34 | 66.40 | | 0.46 | <u> </u> | ± 9.6 % |
| | | X | 5.34 5.38 | 66.40 66.14 | 16.00 | 0.46 | 130.0 | ± 9.6 % |
| AAA | 90pc duty cycle) | X Y Z | 5.34 5.38 5.33 | 66.40 66.14 66.28 | 16.00 16.13 | | 130.0 130.0 | |
| 10621- | 90pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS5, | X | 5.34 5.38 | 66.40 66.14 | 16.00 | 0.46 | 130.0 | ± 9.6 % ± 9.6 % |
| AAA | 90pc duty cycle) | X Y Z X | 5.34 5.38 5.33 5.34 | 66.40 66.14 66.28 66.50 | 16.00 16.13 16.42 | | 130.0 130.0 130.0 | |
| 10621- | 90pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS5, | X Y Z X | 5.34 5.38 5.33 5.34 5.37 | 66.40 66.14 66.28 66.50 66.24 | 16.00 16.13 16.42 | | 130.0 130.0 130.0 | |
| 10621- AAA | 90pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) | X Y Z X Y | 5.34 5.38 5.33 5.34 5.37 5.33 | 66.40 66.14 66.28 66.50 66.24 66.40 | 16.00 16.13 16.42 16.17 16.31 | 0.46 | 130.0 130.0 130.0 130.0 130.0 | ± 9.6 % |
| 10621- AAA | 90pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS6, | X Y Z X | 5.34 5.38 5.33 5.34 5.37 | 66.40 66.14 66.28 66.50 66.24 | 16.00 16.13 16.42 | | 130.0 130.0 130.0 | |
| 10621- AAA | 90pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) | X Y Z X Y | 5.34 5.38 5.33 5.34 5.37 5.33 | 66.40 66.14 66.28 66.50 66.24 66.40 | 16.00 16.13 16.42 16.17 16.31 | 0.46 | 130.0 130.0 130.0 130.0 130.0 | ± 9.6 % |

| 10623- | IEEE 802.11ac WiFi (40MHz, MCS7, | Tx | 5.23 | 66.21 | 16.15 | 0.46 | 130.0 | ± 9.6 % |
|---------------|--|------------|--------------|----------------|----------------|------|----------------|-------------|
| AAA | 90pc duty cycle) | | 0.20 | 00.21 | 10.13 | 0.40 | 130.0 | 19.0% |
| | | Υ | 5.25 | 65.91 | 15.87 | | 130.0 | |
| 10624- | IEEE 200 44 WEE 4404 H. MOOR | Z | 5.22 | 66.10 | 16.03 | | 130.0 | |
| AAA | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) | X | 5.42 | 66.41 | 16.31 | 0.46 | 130.0 | ± 9.6 % |
| | | <u> </u> | 5.45 | 66.13 | 16.05 | | 130.0 | |
| 10625- | IEEE 802.11ac WiFi (40MHz, MCS9, | Z | 5.41 | 66.30 | 16.19 | 2.42 | 130.0 | |
| AAA | 90pc duty cycle) | Y | 5.78 5.83 | 67.35 | 16.83 | 0.46 | 130.0 | ± 9.6 % |
| | | Z | 5.75 | 67.13 67.20 | 16.60 | | 130.0 | |
| 10626- AAA | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle) | X | 5.58 | 66.43 | 16.69 16.23 | 0.46 | 130.0 130.0 | ± 9.6 % |
| | | TY | 5.59 | 66.16 | 15.97 | | 130.0 | |
| | | Z | 5.56 | 66.33 | 16.11 | | 130.0 | |
| 10627- AAA | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle) | Х | 5.81 | 66.97 | 16.46 | 0.46 | 130.0 | ± 9.6 % |
| | | Υ | 5.82 | 66.69 | 16.19 | | 130.0 | |
| 40000 | | Z | 5.79 | 66.85 | 16.34 | | 130.0 | |
| 10628- AAA | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle) | X | 5.61 | 66.53 | 16.18 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 5.63 | 66.28 | 15.92 | | 130.0 | |
| 10629- | IFFE 000 44 MITH (000 H) | Z | 5.59 | 66.41 | 16.05 | | 130.0 | |
| AAA | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) | X | 5.69 | 66.58 | 16.20 | 0.46 | 130.0 | ± 9.6 % |
| | | <u> </u> | 5.72 | 66.37 | 15.96 | | 130.0 | |
| 10630- | IEEE 802 1100 W/IEI (80ML) - MCCA | Z | 5.67 | 66.46 | 16.07 | | 130.0 | |
| AAA | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle) | X | 6.10 | 68.01 | 16.91 | 0.46 | 130.0 | ± 9.6 % |
| | | 1 <u>Y</u> | 6.16 | 67.84 | 16.70 | | 130.0 | |
| 10631- | IEEE 802.11ac WiFi (80MHz, MCS5, | Z | 6.05 | 67.80 | 16.74 | | 130.0 | |
| AAA | 90pc duty cycle) | X | 6.00 | 67.81 | 16.99 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 6.07 | 67.68 | 16.81 | | 130.0 | |
| 10632- | IEEE 802.11ac WiFi (80MHz, MCS6, | Z | 5.98 | 67.68 | 16.87 | | 130.0 | |
| AAA | 90pc duty cycle) | X | 5.78 | 67.01 | 16.61 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 5.80 | 66.76 | 16.37 | | 130.0 | |
| 10633- | IEEE 802.11ac WiFi (80MHz, MCS7, | Z | 5.76 | 66.92 | 16.51 | | 130.0 | |
| AAA | 90pc duty cycle) | X | 5.67 | 66.68 | 16.28 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 5.70 | 66.45 | 16.04 | | 130.0 | |
| 10634- | IEEE 802.11ac WiFi (80MHz, MCS8, | <u>Z</u> | 5.66 | 66.58 | 16.17 | 2.12 | 130.0 | |
| AAA | 90pc duty cycle) | X | 5.66 | 66.70 | 16.35 | 0.46 | 130.0 | ± 9.6 % |
| | | Z | 5.69 5.64 | 66.48 66.60 | 16.12 | | 130.0 | |
| 10635- AAA | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) | X | 5.55 | 66.09 | 16.24 15.79 | 0.46 | 130.0 130.0 | ± 9.6 % |
| | | Y | 5.58 | 65.84 | 15.53 | | 130.0 | |
| | | Z | 5.53 | 65.97 | 15.66 | | 130.0 | |
| 10636- AAB | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) | X | 5.99 | 66.80 | 16.32 | 0.46 | 130.0 | ± 9.6 % |
| | | Υ | 6.00 | 66.57 | 16.09 | | 130.0 | |
| | | Z | 5.98 | 66.70 | 16.21 | | 130.0 | |
| 10637- AAB | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) | X | 6.14 | 67.17 | 16.49 | 0.46 | 130.0 | ± 9.6 % |
| | | Υ | 6.15 | 66.92 | 16.24 | | 130.0 | |
| 40000 | LIEFE 000 14 | Z | 6.12 | 67.06 | 16.37 | | 130.0 | |
| 10638- AAB | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) | X | 6.14 | 67.15 | 16.45 | 0.46 | 130.0 | ± 9.6 % |
| | | Υ | 6.15 | 66.90 | 16.21 | | 130.0 | |
| | | Z | 6.13 | 67.05 | 16.34 | | 130.0 | |

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| 10639- AAB | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) | X | 6.12 | 67.10 | 16.47 | 0.46 | 130.0 | ± 9.6 % |
|---------------|--|----|-------|--------|-------|------|-------|----------|
| | | _Υ | 6.14 | 66.89 | 16.25 | | 130.0 | |
| | | Z | 6.11 | 67.00 | 16.36 | | 130.0 | |
| 10640- AAB | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) | X | 6.13 | 67.12 | 16.43 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 6.15 | 66.91 | 16.20 | | 130.0 | |
| | | Z | 6.11 | 67.01 | 16.31 | _ | 130.0 | |
| 10641- AAB | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) | X | 6.17 | 67.03 | 16.40 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 6.18 | 66.76 | 16.14 | | 130.0 | |
| | | Z | 6.16 | 66.92 | 16.29 | | 130.0 | |
| 10642- AAB | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) | Х | 6.21 | 67.26 | 16.68 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 6.24 | 67.07 | 16.47 | | 130.0 | |
| | | Z | 6.20 | 67.17 | 16.58 | | 130.0 | |
| 10643- AAB | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) | X | 6.05 | 66.96 | 16.43 | 0.46 | 130.0 | ± 9.6 % |
| | | Υ | 6.06 | 66.72 | 16.19 | | 130.0 | |
| | | Z | 6.03 | 66.85 | 16.32 | | 130.0 | |
| 10644- AAB | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) | X | 6.21 | 67.45 | 16.70 | 0.46 | 130.0 | ± 9.6 % |
| | | _ | 6.25 | 67.28 | 16.49 | | 130.0 | |
| | | Z | 6.18 | 67.32 | 16.57 | | 130.0 | |
| 10645- AAB | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) | X | 6.54 | 68.03 | 16.95 | 0.46 | 130.0 | ± 9.6 % |
| | | Y | 6.68 | 68.10 | 16.85 | | 130.0 | |
| | | Z | 6.48 | 67.80 | 16.77 | | 130.0 | |
| 10646- AAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) | X | 59.57 | 139.48 | 46.58 | 9.30 | 60.0 | ± 9.6 % |
| | | ~ | 18.39 | 106.30 | 36.04 | | 60.0 | |
| | | Z | 35.16 | 123.96 | 41.79 | | 60.0 | |
| 10647- AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) | X | 46.29 | 134.28 | 45.41 | 9.30 | 60.0 | ± 9.6 % |
| | | Υ | 16.76 | 104.82 | 35.71 | | 60.0 | |
| | | Z | 29.85 | 120.92 | 41.10 | | 60.0 | <u> </u> |
| 10648- AAA | CDMA2000 (1x Advanced) | X | 0.66 | 62.71 | 10.27 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 0.66 | 61.73 | 9.72 | | 150.0 | |
| | | Z | 0.64 | 62.11 | 9.81 | | 150.0 | |
| 10652- AAB | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | X | 3.79 | 67.42 | 16.85 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 3.71 | 66.27 | 16.18 | | 80.0 | |
| | | Z | 3.81 | 67.18 | 16.62 | | 80.0 | |
| 10653- AAB | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | X | 4.30 | 66.70 | 16.95 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 4.27 | 65.95 | 16.44 | | 80.0 | |
| | | Z | 4.33 | 66.58 | 16.78 | | 80.0 | |
| 10654- AAB | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) | X | 4.27 | 66.34 | 16.94 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 4.24 | 65.67 | 16.46 | | 80.0 | ļ |
| | | Z | 4.31 | 66.25 | 16.79 | | 80.0 | |
| 10655- AAB | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | X | 4.33 | 66.33 | 16.98 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 4.30 | 65.69 | 16.50 | | 80.0 | |
| | | Z | 4.37 | 66.24 | 16.83 | | 80.0 | |

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



Test Report S/N: Test Report Issue Date: 45461425 R1.0 01 March 2018

APPENDIX F - DIPOLE CALIBRATION

Calibration Laboratory of Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Client

Celltech

Certificate No: D2450V2-825_Apr15

CALIBRATION CERTIFICATE

D2450V2 - SN: 825 Object

QA CAL-05.v9 Calibration procedure(s)

Calibration procedure for dipole validation kits above 700 MHz

April 22, 2015 Calibration date:

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

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

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards | ID# | Cal Date (Certificate No.) | Scheduled Calibration |
|-----------------------------|--------------------|-----------------------------------|------------------------|
| Power meter EPM-442A | GB37480704 | 07-Oct-14 (No. 217-02020) | Oct-15 |
| Power sensor HP 8481A | US37292783 | 07-Oct-14 (No. 217-02020) | Oct-15 |
| Power sensor HP 8481A | MY41092317 | 07-Oct-14 (No. 217-02021) | Oct-15 |
| Reference 20 dB Attenuator | SN: 5058 (20k) | 01-Apr-15 (No. 217-02131) | Mar-16 |
| Type-N mismatch combination | SN: 5047.2 / 06327 | 01-Apr-15 (No. 217-02134) | Mar-16 |
| Reference Probe ES3DV3 | SN: 3205 | 30-Dec-14 (No. ES3-3205_Dec14) | Dec-15 |
| DAE4 | SN: 601 | 18-Aug-14 (No. DAE4-601_Aug14) | Aug-15 |
| Secondary Standards | ID# | Check Date (in house) | Scheduled Check |
| RF generator R&S SMT-06 | 100005 | 04-Aug-99 (in house check Oct-13) | In house check: Oct-16 |
| Network Analyzer HP 8753E | US37390585 S4206 | 18-Oct-01 (in house check Oct-14) | In house check: Oct-15 |
| | Name | Function | Signature |
| Calibrated by: | Michael Weber | Laboratory Technician | M. Webes |
| | | | |

Issued: April 23, 2015

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

Katja Pokovic

Certificate No: D2450V2-825 Apr15

Approved by:

Technical Manager

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

TSL tissue simulating liquid

ConvF sensitivity in TSL / NORM x,y,z N/A not applicable or not measured

Calibration is Performed According to the Following Standards:

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

b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005

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

Additional Documentation:

d) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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

Certificate No: D2450V2-825_Apr15 Page 2 of 8

Measurement Conditions

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

| DASY Version | DASY5 | V52.8.8 |
|------------------------------|------------------------|-------------|
| Extrapolation | Advanced Extrapolation | |
| Phantom | Modular Flat Phantom | |
| Distance Dipole Center - TSL | 10 mm | with Spacer |
| Zoom Scan Resolution | dx, dy , $dz = 5 mm$ | |
| Frequency | 2450 MHz ± 1 MHz | |

Head TSL parameters

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|---|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 39.2 | 1.80 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 37.6 ± 6 % | 1.82 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C | | |

SAR result with Head TSL

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|---|--------------------|--------------------------|
| SAR measured | 250 mW input power | 13.1 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 51.6 W/kg ± 17.0 % (k=2) |

| SAR averaged over 10 cm³ (10 g) of Head TSL | condition | |
|---|--------------------|--------------------------|
| SAR measured | 250 mW input power | 6.06 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 24.0 W/kg ± 16.5 % (k=2) |

Body TSL parameters

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|---|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 52.7 | 1.95 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 50.6 ± 6 % | 2.02 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C | | |

SAR result with Body TSL

| SAR averaged over 1 cm³ (1 g) of Body TSL | Condition | |
|---|--------------------|--------------------------|
| SAR measured | 250 mW input power | 13.0 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 50.7 W/kg ± 17.0 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Body TSL | condition | |
|---|--------------------|--------------------------|
| SAR measured | 250 mW input power | 6.05 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 23.8 W/kg ± 16.5 % (k=2) |

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Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

| Impedance, transformed to feed point | 55.3 Ω + 5.1 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 23.1 dB |

Antenna Parameters with Body TSL

| Impedance, transformed to feed point | $50.7~\Omega + 6.4~\mathrm{j}\Omega$ |
|--------------------------------------|--------------------------------------|
| Return Loss | - 23.9 dB |

General Antenna Parameters and Design

| Electrical Delay (one direction) 1.158 ns | | |
|---|----------------------------------|----------|
| | Electrical Delay (one direction) | 1.158 ns |

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

| Manufactured by | SPEAG | |
|-----------------|-------------------|--|
| Manufactured on | December 11, 2008 | |

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DASY5 Validation Report for Head TSL

Date: 22.04.2015

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 825

Communication System: UID 0 - CW; Frequency: 2450 MHz

Medium parameters used: f = 2450 MHz; $\sigma = 1.82 \text{ S/m}$; $\varepsilon_r = 37.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

• Probe: ES3DV3 - SN3205; ConvF(4.54, 4.54, 4.54); Calibrated: 30.12.2014;

• Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn601; Calibrated: 18.08.2014

Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001

• DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

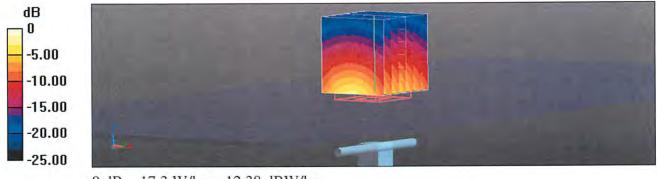
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 101.4 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 27.4 W/kg

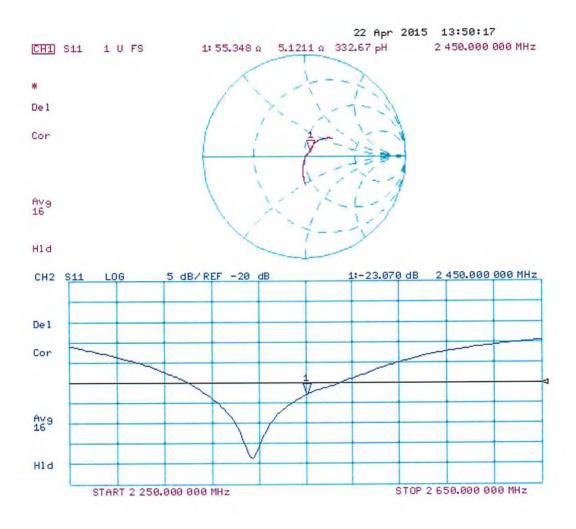
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.06 W/kg

Maximum value of SAR (measured) = 17.3 W/kg



0 dB = 17.3 W/kg = 12.38 dBW/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 22.04.2015

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 825

Communication System: UID 0 - CW; Frequency: 2450 MHz

Medium parameters used: f = 2450 MHz; $\sigma = 2.02 \text{ S/m}$; $\varepsilon_r = 50.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

Probe: ES3DV3 - SN3205; ConvF(4.32, 4.32, 4.32); Calibrated: 30.12.2014;

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn601; Calibrated: 18.08.2014

Phantom: Flat Phantom 5.0 (back); Type: QD000P50AA; Serial: 1002

DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Dipole Calibration for Body Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

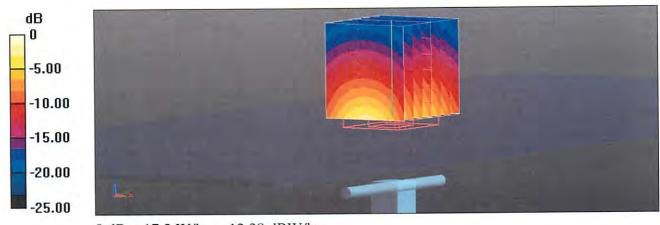
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.23 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 27.1 W/kg

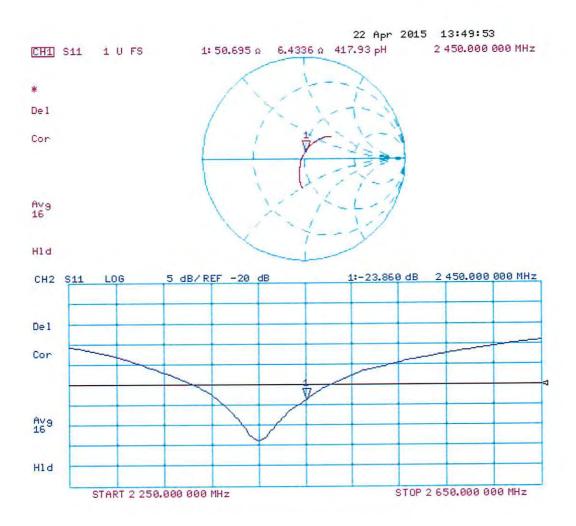
SAR(1 g) = 13 W/kg; SAR(10 g) = 6.05 W/kg

Maximum value of SAR (measured) = 17.3 W/kg



0 dB = 17.3 W/kg = 12.38 dBW/kg

Impedance Measurement Plot for Body TSL





Test Report S/N: Test Report Issue Date: 45461425 R1.0 01 March 2018

APPENDIX G - PHANTOM

Zeughausstrasse 43, 8004 Zurich, Switzerland Phone +41 44 245 9700, Fax +41 44 245 9779 info@speag.com, http://www.speag.com

Certificate of Conformity / First Article Inspection

| Item | Oval Flat Phantom ELI 5.0 | |
|--------------|--|--|
| Type No | QD OVA 002 A | |
| Series No | 1108 and higher | |
| Manufacturer | Untersee Composites | |
| | Knebelstrasse 8, CH-8268 Mannenbach, Switzerland | |

Tests

Complete tests were made on the prototype units QD OVA 001 A, pre-series units QD OVA 001 B as well as on some series units QD OVA 001 B. Some tests are made on all series units QD OVA 002 A.

| Test | Requirement | Details | Units tested |
|----------------------|---|--|---------------------------------|
| Shape | Internal dimensions, depth and sagging are compatible with standards | Bottom elliptical 600 x 400 mm, Depth 190 mm, dimension compliant with [1] for f > 375 MHz | Prototypes |
| Material thickness | Bottom: 2.0mm +/- 0.2mm | dimension compliant with [3] for f > 800 MHz | all |
| Material parameters | rel. permittivity 2 – 5, loss tangent ≤ 0.05, at f ≤ 6 GHz | rel. permittivity 3.5 +/- 0.5 loss tangent ≤ 0.05 | Material samples |
| Material resistivity | Compatibility with tissue simulating liquids . | Compatible with SPEAG liquids. ** | Phantoms, Material sample |
| Sagging | Sagging of the flat section in tolerance when filled with tissue simulating liquid. | within tolerance for filling height up to 155 mm | Prototypes, samples |

Note: Compatibility restrictions apply certain liquid components mentioned in the standard, containing e.g. DGBE, DGMHE or Triton X-100. Observe technical note on material compatibility.

Standards

- [1] OET Bulletin 65, Supplement C, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", Edition 01-01
- [2] IEEE 1528-2003, "Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques, December 2003
- [3] IEC 62209–1 ed1.0, "Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices Human models, instrumentation, and procedures Part 1: Procedure to determine the specific absorption rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", 2005-02-18
- [4] IEC 62209–2 ed1.0, "Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices Human models, instrumentation, and procedures Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", 2010-03-30

Conformity

Based on the sample tests above, we certify that this item is in compliance with the uncertainty requirements of **body-worn** SAR measurements and system performance checks as specified in [1-4] and further standards.

Date

25.7.2011

Signature / Stamp

Speak a G Schmid & Partner-Engineering AG Zeughavestrasse 43, 8004 Zorich, Switzerland Phone 441 44/245 8708, 464 444 444 5 9779 info@speag.com, http://www.speag.com