DIPOLE CALIBRATION EXTENSION

Per KDB 865664 D01, calibration intervals of up to three years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance does not deviate more than 5Ω from the previous measurement.

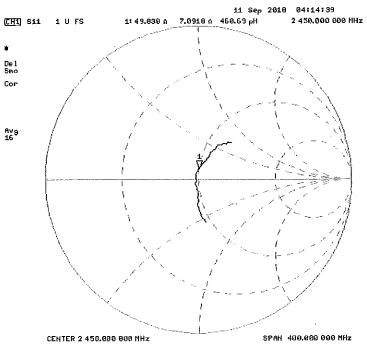
The following dipole was checked to pass the above 3 requirements to have 2-year calibration period from the calibration date:

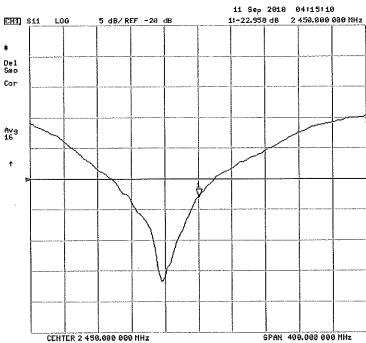
| Calibration Date | Extension Date | | Certificate SAR Target Head (1g) W/kg @ 20.0 dBm | Measured Head SAR (1g) W/kg @ 20.0 dBm | (%) | Certificate SAR Target Head (10g) W/kg @ 20.0 dBm | (10a) W/ka @ | Deviation 10g (%) | | | | | | Difference (Ohm) Imaginary | Certificate Return Loss Head (dB) | Measured Return Loss Head (dB) | Deviation (%) | PASS/FAIL |
|---------------------|----------------|-------|--------------------------------------------------------------|-------------------------------------------------|-------|---------------------------------------------------------------|--------------|----------------------|------|------|---|-----|-----|----------------------------------|-----------------------------------------|--------------------------------------|---------------|-----------|
| 9/11/2017 | 9/11/2018 | 1.152 | 5.27 | 5.52 | 4.74% | 2.48 | 2.54 | 2.42% | 53.8 | 49.8 | 4 | 7.4 | 7.1 | 0.3 | -21.9 | -23 | -4.80% | PASS |

| | Calibration Date | Extension Date | Certificate Electrical Delay (ns) | Certificate SAR Target Body (1g) W/kg @ 20.0 dBm | Body SAR (1g) | (%) | Certificate SAR Target Body (10g) W/kg @ 20.0 dBm | Measured Body SAR (10g) W/kg @ 20.0 dBm | Deviation 10g (%) | | Measured Impedance Body (Ohm) Real | Difference (Ohm) Real | Certificate Impedance Body (Ohm) Imaginary | Measured Impedance Body (Ohm) Imaginary | Difference (Ohm) Imaginary | Certificate Return Loss Body (dB) | Measured Return Loss Body (dB) | Deviation (%) | PASS/FAIL |
|---|---------------------|----------------|-----------------------------------------|--------------------------------------------------------------|---------------|-------|---------------------------------------------------------------|--------------------------------------------------|----------------------|------|---------------------------------------------|--------------------------|-----------------------------------------------------|--------------------------------------------------|----------------------------------|-----------------------------------------|--------------------------------------|---------------|-----------|
| ſ | 9/11/2017 | 9/11/2018 | 1.152 | 5.11 | 5.17 | 1.17% | 2.42 | 2.37 | -2.07% | 49.7 | 49.8 | 0.1 | 9.1 | 7.2 | 1.9 | -20.9 | -22.6 | -8.20% | PASS |
| | | | | • | | | | | | | | | | | | | | | |

| Object: | Date Issued: | Page 2 of 4 |
|-------------------|--------------|-------------|
| D2450V2 – SN: 797 | 09/11/2018 | Fage 2 01 4 |

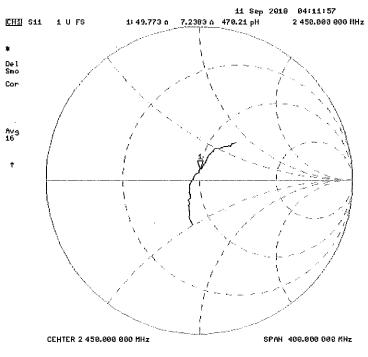
Impedance & Return-Loss Measurement Plot for Head TSL

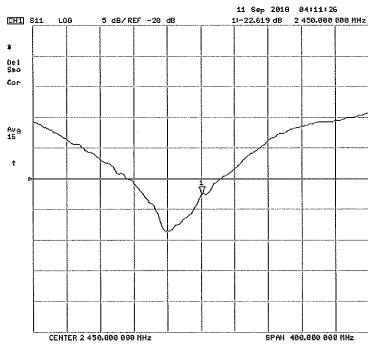




| Object: | Date Issued: | Page 3 of 4 |
|-----------------|--------------|--------------|
| D2450V2 SN: 797 | 09/11/2018 | r ago o or r |

Impedance & Return-Loss Measurement Plot for Body TSL





| Object: | Date Issued: | Page 4 of 4 |
|-------------------|--------------|-------------|
| D2450V2 - SN: 797 | 09/11/2018 | Page 4 of 4 |

PCTEST ENGINEERING LABORATORY, INC.



7185 Oakland Mills Road, Columbia, MD 21046 USA Tel. +1.410.290.6652 / Fax +1.410.290.6654 http://www.pctest.com



Certification of Calibration

Object D2450V2 – SN: 797

Calibration procedure(s) Procedure for Calibration Extension for SAR Dipoles.

Extended Calibration date: September 9, 2019

Description: SAR Validation Dipole at 2450 MHz.

Calibration Equipment used:

| Manufacturer | Model | Description | Cal Date | Cal Interval | Cal Due | Serial Number |
|-----------------------|-----------|---------------------------------------------------------|------------|--------------|------------|---------------|
| Agilent | 8753ES | S-Parameter Network Analyzer | 10/2/2018 | Annual | 10/2/2019 | US39170118 |
| Agilent | N5182A | MXG Vector Signal Generator | 6/27/2019 | Annual | 6/27/2020 | US46240505 |
| Amplifier Research | 15S1G6 | Amplifier | CBT | N/A | CBT | 343972 |
| Anritsu | ML2495A | Power Meter | 10/21/2018 | Annual | 10/21/2019 | 941001 |
| Anritsu | MA2411B | Pulse Power Sensor | 10/30/2018 | Annual | 10/30/2019 | 1207470 |
| Anritsu | MA2411B | Pulse Power Sensor | 11/20/2018 | Annual | 11/20/2019 | 1339007 |
| Control Company | 4040 | Temperature / Humidity Monitor | 2/28/2018 | Biennial | 2/28/2020 | 150761911 |
| Control Company | 4352 | Ultra Long Stem Thermometer | 2/28/2018 | Biennial | 2/28/2020 | 170330160 |
| Keysight | 772D | Dual Directional Coupler | CBT | N/A | CBT | MY52180215 |
| Keysight Technologies | 85033E | Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm) | 7/2/2019 | Annual | 7/2/2020 | MY53401181 |
| Mini-Circuits | BW-N20W5+ | DC to 18 GHz Precision Fixed 20 dB Attenuator | CBT | N/A | CBT | N/A |
| Mini-Circuits | NLP-2950+ | Low Pass Filter DC to 2700 MHz | CBT | N/A | CBT | N/A |
| Narda | 4772-3 | Attenuator (3dB) | CBT | N/A | CBT | 9406 |
| Pasternack | PE2209-10 | Bidirectional Coupler | CBT | N/A | CBT | N/A |
| Pasternack | NC-100 | Torque Wrench | 5/23/2018 | Biennial | 5/23/2020 | N/A |
| SPEAG | EX3DV4 | SAR Probe | 2/19/2019 | Annual | 2/19/2020 | 7417 |
| SPEAG | DAE4 | Dasy Data Acquisition Electronics | 2/13/2019 | Annual | 2/13/2020 | 665 |
| SPEAG | EX3DV4 | SAR Probe | 7/15/2019 | Annual | 7/15/2020 | 7547 |
| SPEAG | DAE4 | Dasy Data Acquisition Electronics | 7/11/2019 | Annual | 7/11/2020 | 1323 |
| SPEAG | DAK-3.5 | Dielectric Assessment Kit | 9/11/2018 | Annual | 9/11/2019 | 1091 |

Note: CBT (Calibrated Before Testing). Prior to testing, the measurement paths containing a cable, amplifier, attenuator, coupler or filter were connected to a calibrated source (i.e. a signal generator) to determine the losses of the measurement path.

Measurement Uncertainty = ±23% (k=2)

| | Name | Function | Signature |
|----------------|-------------------|-----------------------------|-------------------|
| Calibrated By: | Brodie Halbfoster | Team Lead Engineer | BRODIE HALBFOSTER |
| Approved By: | Kaitlin O'Keefe | Senior Technical Manager | 304 |

| Object: | Date Issued: | Page 1 of 4 |
|-------------------|--------------|-------------|
| D2450V2 - SN: 797 | 09/9/2019 | Page 1 of 4 |

DIPOLE CALIBRATION EXTENSION

Per KDB 865664 D01, calibration intervals of up to three years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

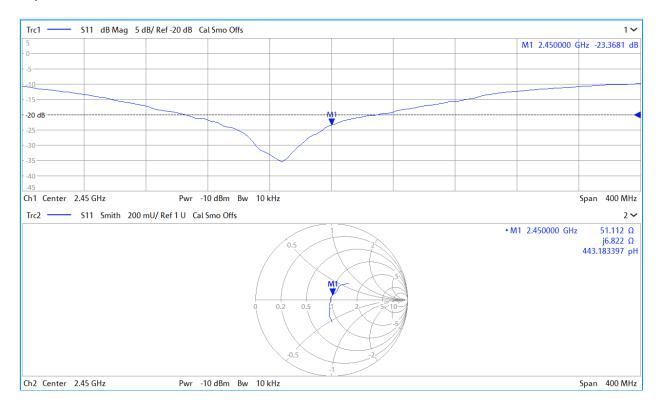
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance does not deviate more than 5Ω from the previous measurement.

The following dipole was checked to pass the above 3 requirements to have 3-year calibration period from the calibration date:

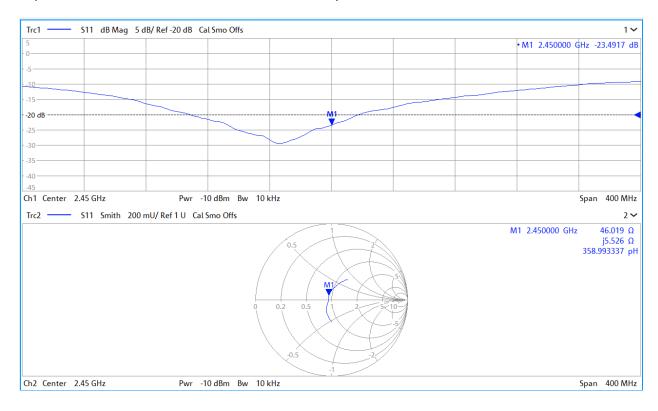
| Calibration Date | Extension Date | | Certificate SAR Target Head (1g) W/kg @ 20.0 dBm | Measured Head SAR (1g) W/kg @ 20.0 dBm | (0/) | | (40-) M(4 G) | Deviation 10g (%) | Certificate Impedance Head (Ohm) Real | Measured Impedance Head (Ohm) Real | Difference (Ohm) Real | Certificate Impedance Head (Ohm) Imaginary | Measured Impedance Head (Ohm) Imaginary | Difference (Ohm) Imaginary | Certificate Return Loss Head (dB) | Measured Return Loss Head (dB) | Deviation (%) | PASS/FAIL |
|---------------------|----------------|-------|--------------------------------------------------------------|-------------------------------------------------|--------|---------------------------------------------------------------|---------------|----------------------|------------------------------------------------|---------------------------------------------|--------------------------|-----------------------------------------------------|--------------------------------------------------|----------------------------------|-----------------------------------------|--------------------------------------|---------------|-----------|
| 9/11/2017 | 9/9/2019 | 1.152 | 5.27 | 5.19 | -1.52% | 2.48 | 2.41 | -2.82% | 53.8 | 51.1 | 2.7 | 7.4 | 6.8 | 0.6 | -21.9 | -23.4 | -6.70% | PASS |
| Calibration Date | Extension Date | | Certificate SAR Target Body (1g) W/kg @ 20.0 dBm | Measured Body SAR (1g) W/kg @ 20.0 dBm | (0/) | Certificate SAR Target Body (10g) W/kg @ 20.0 dBm | (40-) M(4 (-) | Deviation 10g (%) | Certificate Impedance Body (Ohm) Real | Measured Impedance Body (Ohm) Real | Difference (Ohm) Real | Certificate Impedance Body (Ohm) Imaginary | Measured Impedance Body (Ohm) Imaginary | Difference (Ohm) Imaginary | Certificate Return Loss Body (dB) | Measured Return Loss Body (dB) | Deviation (%) | PASS/FAIL |
| 9/11/2017 | 9/9/2019 | 1.152 | 5.11 | 5.17 | 1.17% | 2.42 | 2.38 | -1.65% | 49.7 | 46 | 3.7 | 9.1 | 5.5 | 3.6 | -20.9 | -23.5 | -12.40% | PASS |

| Object: | Date Issued: | Page 2 of 4 |
|-------------------|--------------|-------------|
| D2450V2 – SN: 797 | 09/9/2019 | Fage 2 01 4 |

Impedance & Return-Loss Measurement Plot for Head TSL



Impedance & Return-Loss Measurement Plot for Body TSL



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





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

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

PC Test

Certificate No: D2600V2-1064_Jun19

CALIBRATION CERTIFICATE

Object

D2600V2 - SN:1064

Calibration procedure(s)

QA CAL-05.v11

Calibration Procedure for SAR Validation Sources between 0.7-3 GHz

Calibration date:

June 14, 2019

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 | 03-Apr-19 (No. 217-02892/02893) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103244 | 03-Apr-19 (No. 217-02892) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103245 | 03-Apr-19 (No. 217-02893) | Apr-20 |
| Reference 20 dB Attenuator | SN: 5058 (20k) | 04-Apr-19 (No. 217-02894) | Apr-20 |
| Type-N mismatch combination | SN: 5047.2 / 06327 | 04-Apr-19 (No. 217-02895) | Apr-20 |
| Reference Probe EX3DV4 | SN: 7349 | 29-May-19 (No. EX3-7349_May19) | May-20 |
| DAE4 | SN: 601 | 30-Apr-19 (No. DAE4-601_Apr19) | Apr-20 |
| Secondary Standards | ID# | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB39512475 | 30-Oct-14 (in house check Feb-19) | In house check: Oct-20 |
| Power sensor HP 8481A | SN: US37292783 | 07-Oct-15 (in house check Oct-18) | In house check: Oct-20 |
| Power sensor HP 8481A | SN: MY41092317 | 07-Oct-15 (in house check Oct-18) | In house check: Oct-20 |
| RF generator R&S SMT-06 | SN: 100972 | 15-Jun-15 (in house check Oct-18) | In house check: Oct-20 |
| Network Analyzer Agilent E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-18) | In house check: Oct-19 |
| | Name | Function | Signature |
| Calibrated by: | Michael Weber | Laboratory Technician | INLI |
| | | | |
| Approved by: | Katja Pokovic | Technical Manager | Elle - |
| | | | |

Issued: June 20, 2019

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

Calibration Laboratory of

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





S

C

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 ap

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, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- 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"

Additional Documentation:

e) 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%.

Measurement Conditions

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

| DASY Version | DASY5 | V52.10.2 |
|------------------------------|------------------------|-------------|
| Extrapolation | Advanced Extrapolation | |
| Phantom | Modular Flat Phantom | |
| Distance Dipole Center - TSL | 10 mm | with Spacer |
| Zoom Scan Resolution | dx, dy , $dz = 5 mm$ | |
| Frequency | 2600 MHz ± 1 MHz | |

Head TSL parameters

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 39.0 | 1.96 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 37.3 ± 6 % | 2.03 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 | 14.9 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 58.1 W/kg ± 17.0 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 250 mW input power | 6.59 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 26.0 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 | 52.5 | 2.16 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 50.5 ± 6 % | 2.22 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C | | |

SAR result with Body TSL

| SAR averaged over 1 cm ³ (1 g) of Body TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 250 mW input power | 14.2 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 55.6 W/kg ± 17.0 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Body TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 250 mW input power | 6.33 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 25.0 W/kg ± 16.5 % (k=2) |

Certificate No: D2600V2-1064_Jun19 Page 3 of 8

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

| Impedance, transformed to feed point | 49.8 Ω - 6.9 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 23.2 dB |

Antenna Parameters with Body TSL

| Impedance, transformed to feed point | 46.6 Ω - 4.4 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 24.9 dB |

General Antenna Parameters and Design

| Electrical Delay (one direction) | 1.151 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 |
|-----------------|-------|

Certificate No: D2600V2-1064_Jun19 Page 4 of 8

DASY5 Validation Report for Head TSL

Date: 14.06.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1064

Communication System: UID 0 - CW; Frequency: 2600 MHz

Medium parameters used: f = 2600 MHz; $\sigma = 2.03 \text{ S/m}$; $\varepsilon_r = 37.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

• Probe: EX3DV4 - SN7349; ConvF(7.69, 7.69, 7.69) @ 2600 MHz; Calibrated: 29.05.2019

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn601; Calibrated: 30.04.2019

Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001

DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

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

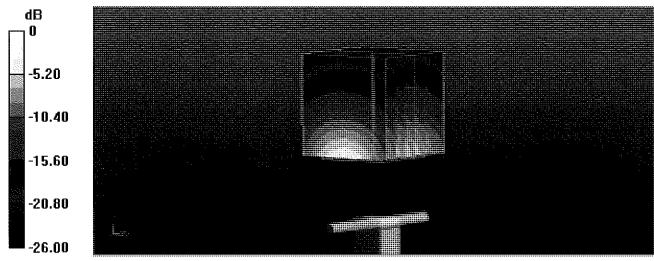
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 120.9 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 30.2 W/kg

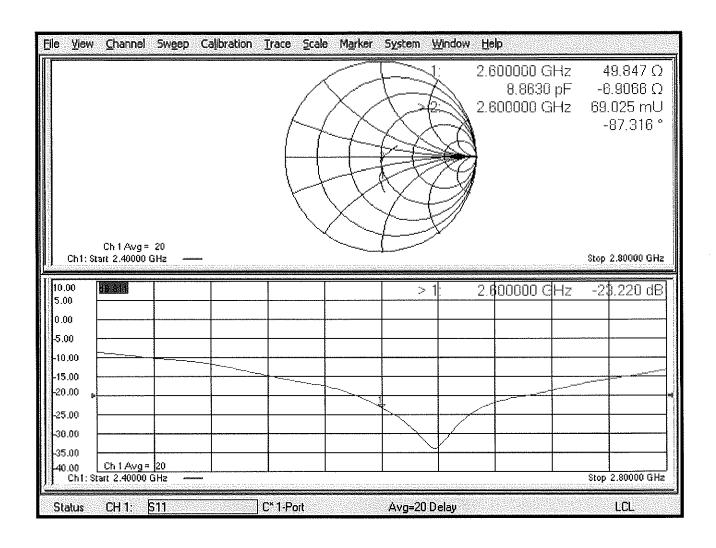
SAR(1 g) = 14.9 W/kg; SAR(10 g) = 6.59 W/kg

Maximum value of SAR (measured) = 25.1 W/kg



0 dB = 25.1 W/kg = 14.00 dBW/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 14.06.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1064

Communication System: UID 0 - CW; Frequency: 2600 MHz

Medium parameters used: f = 2600 MHz; $\sigma = 2.22 \text{ S/m}$; $\varepsilon_r = 50.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(7.8, 7.8, 7.8) @ 2600 MHz; Calibrated: 29.05.2019

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn601; Calibrated: 30.04.2019

Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002

DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

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

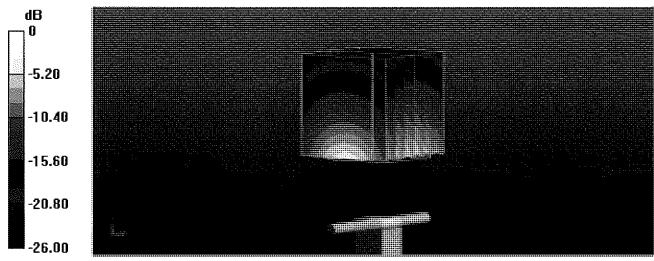
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 110.6 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 28.9 W/kg

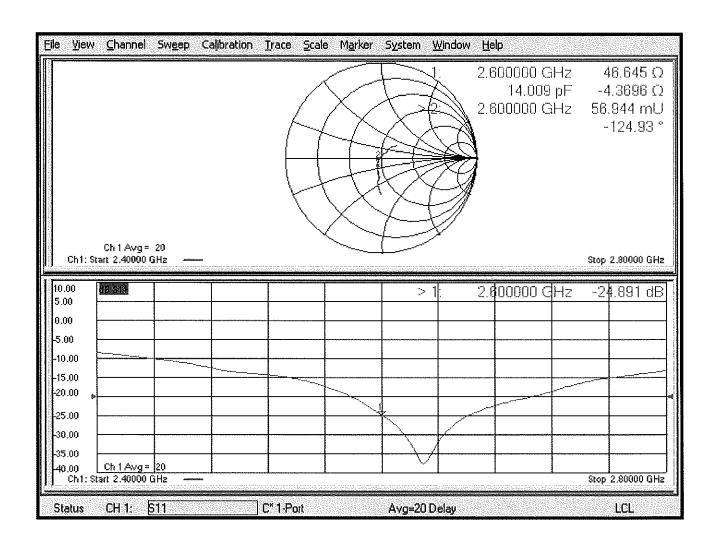
SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.33 W/kg

Maximum value of SAR (measured) = 23.6 W/kg



0 dB = 23.6 W/kg = 13.73 dBW/kg

Impedance Measurement Plot for Body TSL



Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Client

PC Test

Certificate No: D5GHzV2-1191_Sep19

CALIBRATION CERTIFICATE

Object D5GHzV2 - SN:1191

Calibration procedure(s) QA CAL-22.v4

Calibration Procedure for SAR Validation Sources between 3-6 GHz

09/26/2019

Calibration date:

Primary Standards

September 17, 2019

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)

ID#

| · minur j oturiuu. 20 | 1.5 " | our pare (corrinduto ric.) | Corrodated Calibration |
|---------------------------------|--------------------|-----------------------------------|-----------------------------------|
| Power meter NRP | SN: 104778 | 03-Apr-19 (No. 217-02892/02893) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103244 | 03-Apr-19 (No. 217-02892) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103245 | 03-Apr-19 (No. 217-02893) | Apr-20 |
| Reference 20 dB Attenuator | SN: 5058 (20k) | 04-Apr-19 (No. 217-02894) | Apr-20 |
| Type-N mismatch combination | SN: 5047.2 / 06327 | 04-Apr-19 (No. 217-02895) | Apr-20 |
| Reference Probe EX3DV4 | SN: 3503 | 25-Mar-19 (No. EX3-3503_Mar19) | Mar-20 |
| DAE4 | SN: 601 | 30-Apr-19 (No. DAE4-601_Apr19) | Apr-20 |
| | | | |
| Secondary Standards | ID# | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB39512475 | 30-Oct-14 (in house check Feb-19) | In house check: Oct-20 |
| Power sensor HP 8481A | SN: US37292783 | 07-Oct-15 (in house check Oct-18) | In house check: Oct-20 |
| Power sensor HP 8481A | SN: MY41092317 | 07-Oct-15 (in house check Oct-18) | In house check: Oct-20 |
| RF generator R&S SMT-06 | SN: 100972 | 15-Jun-15 (in house check Oct-18) | In house check: Oct-20 |
| Network Analyzer Agilent E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-18) | In house check: Oct-19 |
| | Name | Function | Signature |
| Calibrated by: | Manu Seltz | Laboratory Technician | |
| | | | |
| Approved by | Valla Balcada | | |
| Approved by: | Katja Pokovic | Technical Manager | MUX. |
| | | | ran Martin and plant and a second |

Cal Date (Certificate No.)

Issued: September 18, 2019

Scheduled Calibration

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

Calibration Laboratory of

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





Schweizerischer Kalibrierdienst

C Service suisse d'étalonnage Servizio svizzero di taratura

Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

TSL

tissue simulating liquid

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, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- 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"

Additional Documentation:

e) 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%.

Measurement Conditions

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

| DASY Version | DASY5 | V52.10.2 |
|------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------|
| Extrapolation | Advanced Extrapolation | |
| Phantom | Modular Flat Phantom V5.0 | |
| Distance Dipole Center - TSL | 10 mm | with Spacer |
| Zoom Scan Resolution | dx, dy = 4.0 mm, dz = 1.4 mm | Graded Ratio = 1.4 (Z direction) |
| Frequency | 5200 MHz ± 1 MHz 5250 MHz ± 1 MHz 5600 MHz ± 1 MHz 5750 MHz ± 1 MHz 5800 MHz ± 1 MHz | |

Head TSL parameters at 5250 MHz The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 35.9 | 4.71 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 35.1 ± 6 % | 4.53 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C | | |

SAR result with Head TSL at 5250 MHz

| SAR averaged over 1 cm³ (1 g) of Head TSL | Condition | |
|-------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.13 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 80.8 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.32 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.0 W/kg ± 19.5 % (k=2) |

Certificate No: D5GHzV2-1191_Sep19

Head TSL parameters at 5600 MHz

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 35.5 | 5.07 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 34.6 ± 6 % | 4.88 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C | W 44 10 M | |

SAR result with Head TSL at 5600 MHz

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.33 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 82.7 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm³ (10 g) of Head TSL | condition | |
|---------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.36 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.4 W/kg ± 19.5 % (k=2) |

Head TSL parameters at 5750 MHz The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 35.4 | 5.22 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 34.4 ± 6 % | 5.03 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C | | |

SAR result with Head TSL at 5750 MHz

| SAR averaged over 1 cm³ (1 g) of Head TSL | Condition | |
|-------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.08 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 80.2 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm³ (10 g) of Head TSL | condition | |
|---------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.29 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 22.7 W/kg ± 19.5 % (k=2) |

Body TSL parameters at 5200 MHz

The following parameters and calculations were applied.

| To following parameters and executations were appro- | Temperature | Permittivity | Conductivity |
|------------------------------------------------------|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 49.0 | 5.30 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 46.9 ± 6 % | 5.44 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C | | |

SAR result with Body TSL at 5200 MHz

| SAR averaged over 1 cm³ (1 g) of Body TSL | Condition | |
|-------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.55 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 74.9 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm³ (10 g) of Body TSL | condition | |
|---------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.11 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 20.9 W/kg ± 19.5 % (k=2) |

Body TSL parameters at 5250 MHz

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 48.9 | 5.36 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 46.9 ± 6 % | 5.51 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C | | |

SAR result with Body TSL at 5250 MHz

Certificate No: D5GHzV2-1191_Sep19

| SAR averaged over 1 cm ³ (1 g) of Body TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.76 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 77.0 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm³ (10 g) of Body TSL | condition | |
|---------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.16 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 21.4 W/kg ± 19.5 % (k=2) |

Page 5 of 19

Body TSL parameters at 5600 MHz

The following parameters and calculations were applied.

| no lonowing parameters and careers and the same and the s | Temperature | Permittivity | Conductivity |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 48.5 | 5.77 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 46.2 ± 6 % | 5.98 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C | | |

SAR result with Body TSL at 5600 MHz

| SAR averaged over 1 cm³ (1 g) of Body TSL | Condition | |
|-------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.93 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 78.6 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Body TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.22 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 21.9 W/kg ± 19.5 % (k=2) |

Body TSL parameters at 5750 MHz

The following parameters and calculations were applied.

| no tonoming parameters and exceedings of | Temperature | Permittivity | Conductivity |
|------------------------------------------|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 48.3 | 5.94 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 46.0 ± 6 % | 6.19 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C | | |

SAR result with Body TSL at 5750 MHz

Certificate No: D5GHzV2-1191_Sep19

| SAR averaged over 1 cm ³ (1 g) of Body TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.75 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 76.9 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Body TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.15 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 21.3 W/kg ± 19.5 % (k=2) |

Page 6 of 19

Body TSL parameters at 5800 MHz The following parameters and calculations were applied.

| , in the second | Temperature | Permittivity | Conductivity |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 48.2 | 6.00 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 45.9 ± 6 % | 6.26 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C | | |

SAR result with Body TSL at 5800 MHz

| SAR averaged over 1 cm ³ (1 g) of Body TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.66 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 76.0 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm³ (10 g) of Body TSL | condition | |
|---------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.12 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 21.0 W/kg ± 19.5 % (k=2) |

Certificate No: D5GHzV2-1191_Sep19

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 5250 MHz

| Impedance, transformed to feed point | 53.5 Ω - 6.2 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 23.2 dB |

Antenna Parameters with Head TSL at 5600 MHz

| Impedance, transformed to feed point | 56.4 Ω - 4.3 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 22,8 dB |

Antenna Parameters with Head TSL at 5750 MHz

| Impedance, transformed to feed point | 59.1 Ω + 1.9 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 21.4 dB |

Certificate No: D5GHzV2-1191_Sep19 Page 8 of 19

Antenna Parameters with Body TSL at 5200 MHz

| Impedance, transformed to feed point | 50.9 Ω - 8.6 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 21.3 dB |

Antenna Parameters with Body TSL at 5250 MHz

| Impedance, transformed to feed point | 53.2 Ω - 4.1 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 26.0 dB |

Antenna Parameters with Body TSL at 5600 MHz

| Impedance, transformed to feed point | 58.1 Ω - 4.2 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 21.4 dB |

Antenna Parameters with Body TSL at 5750 MHz

| Impedance, transformed to feed point | 60.3 Ω + 2.3 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 20.4 dB |

Antenna Parameters with Body TSL at 5800 MHz

| Impedance, transformed to feed point | 57.5 Ω + 2.3 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 22.7 dB |

General Antenna Parameters and Design

| Flootrical Dalay (one direction) | | |
|------------------------------------|----------------------------------|----------|
| Liectifical Delay (offe direction) | Electrical Delay (one direction) | 1.202 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 |
|-----------------|-------|
| | |

Certificate No: D5GHzV2-1191_Sep19 Page 9 of 19

Appendix (Additional assessments outside the scope of SCS 0108)

Measurement Conditions (f=5200 MHz)

DASY system configuration, as far as not given on page 1 and 3.

| - 7 | , , , , , , , , , , , , , , , , , , , | | |
|-----|---------------------------------------|------------------|-----------------------------|
| | Phantom | SAM Head Phantom | For usage with cSAR3DV2-R/L |
| | | | |

SAR result with SAM Head (Top)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.04 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 80.4 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.34 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.4 W/kg ± 19.9 % (k=2) |

SAR result with SAM Head (Mouth)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.37 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 83.8 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.36 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.6 W/kg ± 19.9 % (k=2) |

SAR result with SAM Head (Neck)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.04 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 80.4 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|-------------------------|
| SAR measured | 100 mW input power | 2.36 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.6W/kg ± 19.9 % (k=2) |

SAR result with SAM Head (Ear)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 5.11 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 51.1 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 1.78 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 17.8 W/kg ± 19.9 % (k=2) |

Certificate No: D5GHzV2-1191_Sep19 Page 10 of 19

Appendix (Additional assessments outside the scope of SCS 0108)

Measurement Conditions (f=5800 MHz)

DASY system configuration, as far as not given on page 1 and 3.

| _ | 3 - 1 | | |
|---|---------|------------------|-----------------------------|
| | Phantom | SAM Head Phantom | For usage with cSAR3DV2-R/L |

SAR result with SAM Head (Top)

| SAR averaged over 1 cm³ (1 g) of Head TSL | Condition | |
|-------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.18 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 81.7 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.33 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.3 W/kg ± 19.9 % (k=2) |

SAR result with SAM Head (Mouth)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.56 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 85.5 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.37 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.6 W/kg ± 19.9 % (k=2) |

SAR result with SAM Head (Neck)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.91 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 78.9 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.26 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 22.5 W/kg ± 19.9 % (k=2) |

SAR result with SAM Head (Ear)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 5.60 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 55.9 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 1.92 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 19.1 W/kg ± 19.9 % (k=2) |

Certificate No: D5GHzV2-1191_Sep19

DASY5 Validation Report for Head TSL

Date: 13.09.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1191

Communication System: UID 0 - CW; Frequency: 5250 MHz, Frequency: 5600 MHz, Frequency: 5750 MHz

Medium parameters used: f = 5250 MHz; $\sigma = 4.53$ S/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³, Medium parameters used: f = 5600 MHz; $\sigma = 4.88$ S/m; $\epsilon_r = 34.6$; $\rho = 1000$ kg/m³,

Medium parameters used: f = 5750 MHz; $\sigma = 5.03 \text{ S/m}$; $\varepsilon_r = 34.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.4, 5.4, 5.4) @ 5250 MHz, ConvF(4.95, 4.95, 4.95) @ 5600 MHz, ConvF(4.98, 4.98, 4.98) @ 5750 MHz; Calibrated: 25.03.2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.04.2019
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5250 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 76.95 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 28.0 W/kg

SAR(1 g) = 8.13 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 18.2 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 76.89 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 30.9 W/kg

SAR(1 g) = 8.33 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 19.2 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5750 MHz/Zoom Scan,

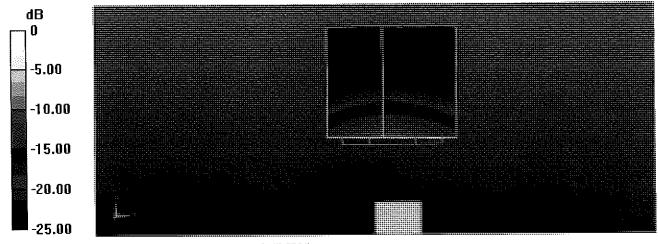
dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 74.20 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 31.6 W/kg

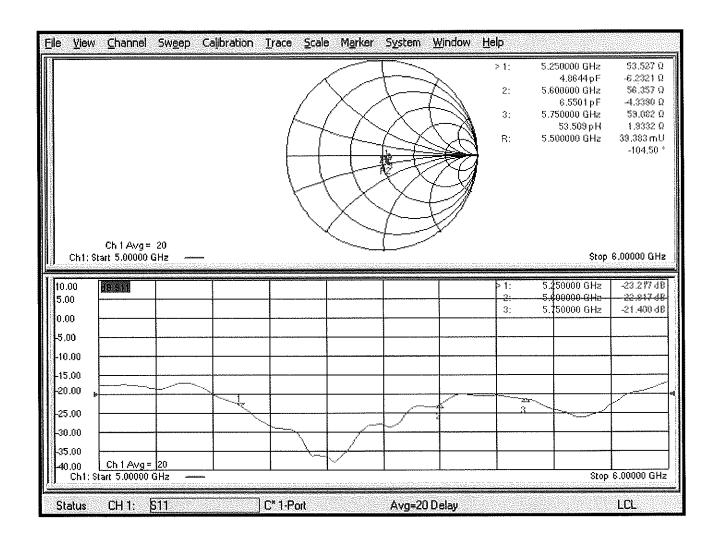
SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.29 W/kg

Maximum value of SAR (measured) = 18.9 W/kg



0 dB = 18.9 W/kg = 12.76 dBW/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 16.09.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1191

Communication System: UID 0 - CW; Frequency: 5200 MHz, Frequency: 5250 MHz, Frequency: 5600

MHz, Frequency: 5750 MHz, Frequency: 5800 MHz

Medium parameters used: f = 5200 MHz; $\sigma = 5.44$ S/m; $\varepsilon_r = 46.9$; $\rho = 1000$ kg/m³,

Medium parameters used: f = 5250 MHz; $\sigma = 5.51 \text{ S/m}$; $\varepsilon_r = 46.9$; $\rho = 1000 \text{ kg/m}^3$

Medium parameters used: f = 5600 MHz; $\sigma = 5.98$ S/m; $\varepsilon_r = 46.2$; $\rho = 1000$ kg/m³,

Medium parameters used: f = 5750 MHz; $\sigma = 6.19 \text{ S/m}$; $\varepsilon_r = 46$; $\rho = 1000 \text{ kg/m}^3$,

Medium parameters used: f = 5800 MHz; $\sigma = 6.26 \text{ S/m}$; $\varepsilon_r = 45.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.14, 5.14, 5.14) @ 5200 MHz, ConvF(5.26, 5.26, 5.26) @ 5250 MHz, ConvF(4.74, 4.74, 4.74) @ 5600 MHz, ConvF(4.62, 4.62) @ 5750 MHz, ConvF(4.62, 4.62) @ 5800 MHz; Calibrated: 25.03.2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.04.2019
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5200 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid; dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 68.78 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 28.7 W/kg

SAR(1 g) = 7.55 W/kg; SAR(10 g) = 2.11 W/kg

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

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5250 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 69.09 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 30.3 W/kg

SAR(1 g) = 7.76 W/kg; SAR(10 g) = 2.16 W/kg

Maximum value of SAR (measured) = 18.1 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 68.19 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 34.3 W/kg

SAR(1 g) = 7.93 W/kg; SAR(10 g) = 2.22 W/kg

Maximum value of SAR (measured) = 19.0 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5750 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 66.80 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 35.1 W/kg

SAR(1 g) = 7.75 W/kg; SAR(10 g) = 2.15 W/kg

Maximum value of SAR (measured) = 18.9 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5800 MHz/Zoom Scan,

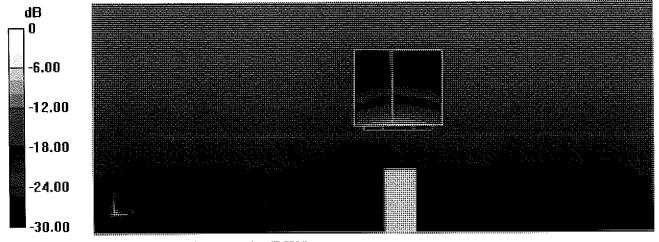
dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 67.13 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 33.8 W/kg

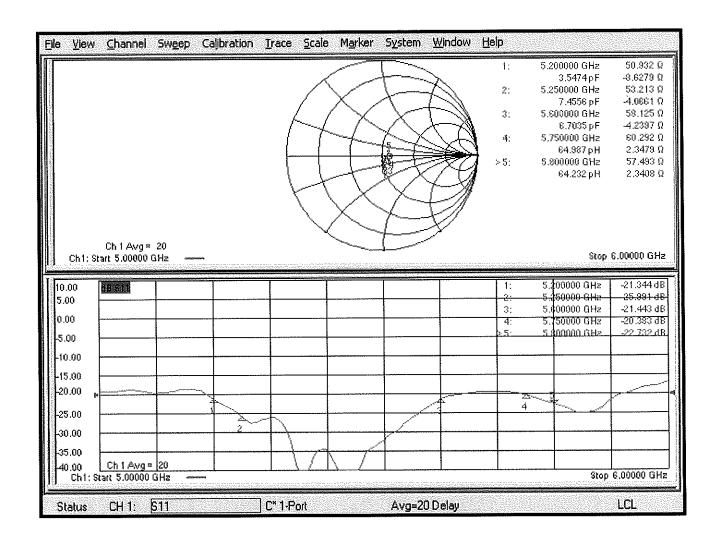
SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.12 W/kg

Maximum value of SAR (measured) = 18.5 W/kg



0 dB = 18.5 W/kg = 12.67 dBW/kg

Impedance Measurement Plot for Body TSL



DASY5 Validation Report for SAM Head

Date: 17.09.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1191

Communication System: UID 0 - CW; Frequency: 5200 MHz, Frequency: 5800 MHz Medium parameters used: f = 5200 MHz; σ = 4.55 S/m; ϵ_r = 36.2; ρ = 1000 kg/m³ , Medium parameters used: f = 5800 MHz; σ = 5.28 S/m; ϵ_r = 34.9; ρ = 1000 kg/m³

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

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.64, 5.64, 5.64) @ 5200 MHz, ConvF(4.96, 4.96, 4.96) @ 5800 MHz; Calibrated: 25.03.2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.04.2019
- · Phantom: SAM Head
- DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

SAM/Head/Top - 5200/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 74.84 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 27.5 W/kg

SAR(1 g) = 8.04 W/kg; SAR(10 g) = 2.34 W/kg

Maximum value of SAR (measured) = 18.5 W/kg

SAM/Head/Top - 5800/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 70.45 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 32.3 W/kg

SAR(1 g) = 8.18 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 20.2 W/kg

SAM/Head/Mouth - 5200/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 76.86 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 29.3 W/kg

SAR(1 g) = 8.37 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 19.8 W/kg

SAM/Head/Mouth - 5800/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 71.46 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 34.0 W/kg

SAR(1 g) = 8.56 W/kg; SAR(10 g) = 2.37 W/kg

Maximum value of SAR (measured) = 21.3 W/kg

Certificate No: D5GHzV2-1191_Sep19 Page 18 of 19

SAM/Head/Neck - 5200/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 74.71 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 28.8 W/kg

SAR(1 g) = 8.04 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 19.2 W/kg

SAM/Head/Neck - 5800/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 71.62 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(1 g) = 7.91 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (measured) = 20.2 W/kg

SAM/Head/Ear - 5200/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 57.89 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 5.11 W/kg; SAR(10 g) = 1.78 W/kg

Maximum value of SAR (measured) = 11.4 W/kg

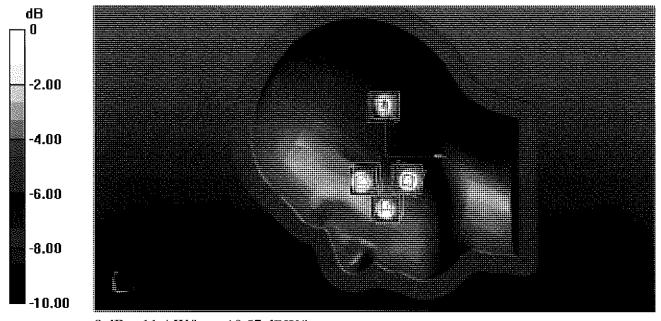
SAM/Head/Ear - 5800/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 58.22 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 21.0 W/kg

SAR(1 g) = 5.6 W/kg; SAR(10 g) = 1.92 W/kg

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 11.4 W/kg = 10.57 dBW/kg

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





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

Swiss Calibration Service

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

Accreditation No.: SCS 0108

Client **PC Test** Certificate No: D5GHzV2-1057_Jan18

CALIBRATION CERTIFICATE

Object

D5GHzV2 - SN:1057

Calibration procedure(s)

QA CAL-22,v2

Calibration procedure for dipole validation kits between 3-6 GHz

Issued: January 18, 2018

Calibration date:

January 16, 2018

8105-55-10

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)

BNV 02106/2019 BN 01/17/2020

| 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. 217-02522) | Apr-18 |
| Reference 20 dB Atlenuator | SN: 5058 (20k) | 07-Apr-17 (No. 217-02528) | Apr-18 |
| Type-N mismatch combination | SN: 5047.2 / 06327 | 07-Apr-17 (No. 217-02529) | Apr-18 |
| Reference Probe EX3DV4 | SN: 3503 | 30-Dec-17 (No. EX3-3503_Dec17) | Dec-16 |
| DAE4 | SN: 601 | 26-Oct-17 (No. DAE4-601_Oct17) | Oct-18 |
| | | • | |
| | 1 | | |
| Secondary Standards | ID# | Check Date (in house) | Scheduled Check |
| Power meter EPM-442A | SN: GB37480704 | 07-Oct-15 (In house check Oct-16) | in house check: Oct-18 |
| Power sensor HP 8481A | SN: US37292783 | 07-Oct-15 (in house check Oct-16) | in house check: Oct-18 |
| Power sensor HP 8481A | SN: MY41092317 | 07-Oct-15 (in house check Oct-16) | In house check: Oct-18 |
| RF generator R&S SMT-06 | SN: 100972 | 15-Jun-15 (in house check Oct-16) | In house check; Oct-18 |
| Network Analyzer HP 8753E | SN: US37390585 | 18-Oct-01 (in house check Oct-17) | In house check: Oct-18 |
| | Name | Function | Signature |
| Calibrated by: | Leif Klysner | Laboratory Technician | Q 1911 |
| | | • | Deffly - |
| Approved by: | Katja Pokovic | Technical Manager | 11116 |

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

Calibration Laboratory of

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





S

C

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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

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, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- 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"

Additional Documentation:

e) 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%.

Measurement Conditions

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

| DASY Version | DASY5 | V52.10.0 |
|------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------|
| Extrapolation | Advanced Extrapolation | |
| Phantom | Modular Flat Phantom V5.0 | |
| Distance Dipole Center - TSL | 10 mm | with Spacer |
| Zoom Scan Resolution | dx, dy = 4.0 mm, dz = 1.4 mm | Graded Ratio = 1.4 (Z direction) |
| Frequency | 5200 MHz ± 1 MHz 5250 MHz ± 1 MHz 5600 MHz ± 1 MHz 5750 MHz ± 1 MHz 5800 MHz ± 1 MHz | |

Head TSL parameters at 5250 MHz

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 35.9 | 4.71 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 36.2 ± 6 % | 4.55 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C | | |

SAR result with Head TSL at 5250 MHz

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.91 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 79.2 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.28 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 22.8 W/kg ± 19.5 % (k=2) |

Head TSL parameters at 5600 MHz The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 35.5 | 5.07 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 35.8 ± 6 % | 4.90 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C | | |

SAR result with Head TSL at 5600 MHz

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.41 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 84.1 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.40 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 24.0 W/kg ± 19.5 % (k=2) |

Head TSL parameters at 5750 MHz The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 35.4 | 5.22 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 35.5 ± 6 % | 5.06 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C | | |

SAR result with Head TSL at 5750 MHz

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.06 W /kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 80.5 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm³ (10 g) of Head TSL | condition | |
|---------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.30 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.0 W/kg ± 19.5 % (k=2) |

Body TSL parameters at 5200 MHz The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 49.0 | 5.30 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 47.3 ± 6 % | 5.41 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C | | |

SAR result with Body TSL at 5200 MHz

| SAR averaged over 1 cm ³ (1 g) of Body TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.36 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 73.1 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Body TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.06 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 20.4 W/kg ± 19.5 % (k=2) |

Body TSL parameters at 5250 MHz

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 48.9 | 5.36 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 47.2 ± 6 % | 5.48 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C | | |

SAR result with Body TSL at 5250 MHz

| SAR averaged over 1 cm ³ (1 g) of Body TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.64 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 75.9 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Body TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.13 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 21.1 W/kg ± 19.5 % (k=2) |

Body TSL parameters at 5600 MHz

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 48.5 | 5.77 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 46.6 ± 6 % | 5.94 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C | | |

SAR result with Body TSL at 5600 MHz

| SAR averaged over 1 cm³ (1 g) of Body TSL | Condition | |
|-------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.05 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 79.9 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm³ (10 g) of Body TSL | condition | |
|---------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.25 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 22.3 W/kg ± 19.5 % (k=2) |

Body TSL parameters at 5750 MHz

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 48.3 | 5.94 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 46.3 ± 6 % | 6.15 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C | | |

SAR result with Body TSL at 5750 MHz

| SAR averaged over 1 cm ³ (1 g) of Body TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.72 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 76.7 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Body TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.14 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 21.2 W/kg ± 19.5 % (k=2) |

Body TSL parameters at 5800 MHz The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|-----------------------------------------|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 48.2 | 6.00 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 46.2 ± 6 % | 6.22 mho/m ± 6 % |
| Body TSL temperature change during test | < 0.5 °C | | |

SAR result with Body TSL at 5800 MHz

| SAR averaged over 1 cm³ (1 g) of Body TSL | Condition | |
|-------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.68 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 76.3 W/kg ± 19.9 % (k=2) |

| SAR averaged over 10 cm³ (10 g) of Body TSL | condition | |
|---------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.13 W/kg |
| SAR for nominal Body TSL parameters | normalized to 1W | 21.1 W/kg ± 19.5 % (k=2) |

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 5250 MHz

| Impedance, transformed to feed point | 50.0 Ω - 5.5 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 25.2 dB |

Antenna Parameters with Head TSL at 5600 MHz

| Impedance, transformed to feed point | 54.7 Ω - 2.1 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 26.2 dB |

Antenna Parameters with Head TSL at 5750 MHz

| Impedance, transformed to feed point | 52.7 Ω + 0.0 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 31.5 dB |

Antenna Parameters with Body TSL at 5200 MHz

| Impedance, transformed to feed point | 49.3 Ω - 6.7 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 23.4 dB |

Antenna Parameters with Body TSL at 5250 MHz

| Impedance, transformed to feed point | 48.4 Ω - 3.9 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 27.4 dB |

Antenna Parameters with Body TSL at 5600 MHz

| Impedance, transformed to feed point | 55.3 Ω - 1.6 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 25.6 dB |

Antenna Parameters with Body TSL at 5750 MHz

| Impedance, transformed to feed point | 52.6 Ω + 1.1 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 31.2 dB |

Antenna Parameters with Body TSL at 5800 MHz

| Impedance, transformed to feed point | 51.8 Ω - 0.4 jΩ |
|--------------------------------------|-----------------|
| Return Loss | - 34.9 dB |

General Antenna Parameters and Design

| Electrical Delay (one direction) | 1.203 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 | November 27, 2006 |

Appendix (Additional assessments outside the scope of SCS 0108)

Measurement Conditions (f=5200 MHz)

DASY system configuration, as far as not given on page 1 and 3.

| Phantom SAM Head Phantom For usage with cSAR3DV | 2-R/L |
|-------------------------------------------------|-------|
|-------------------------------------------------|-------|

SAR result with SAM Head (Top)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.24 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 82.6 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm³ (10 g) of Head TSL | condition | |
|---------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.35 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.6 W/kg ± 19.9 % (k=2) |

SAR result with SAM Head (Mouth)

| SAR averaged over 1 cm³ (1 g) of Head TSL | Condition | |
|-------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.54 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 85.6 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm³ (10 g) of Head TSL | condition | |
|---------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.37 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.7 W/kg ± 19.9 % (k=2) |

SAR result with SAM Head (Neck)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.14 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 81.6 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.37 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.7 W/kg ± 19.9 % (k=2) |

SAR result with SAM Head (Ear)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 5.16 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 51.7 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 1.76 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 17.7 W/kg ± 19.9 % (k=2) |

Measurement Conditions (f=5800 MHz)

DASY system configuration, as far as not given on page 1 and 3.

| Phantom | SAM Head Phantom | For usage with cSAR3DV2-R/L |
|---------|------------------|-----------------------------|
|---------|------------------|-----------------------------|

SAR result with SAM Head (Top)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.62 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 86.3 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm³ (10 g) of Head TSL | condition | |
|---------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.41 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 24.1 W/kg ± 19.9 % (k=2) |

SAR result with SAM Head (Mouth)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.88 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 88.9 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.44 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 24.4 W/kg ± 19.9 % (k=2) |

SAR result with SAM Head (Neck)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.33 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 83.4 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 2.35 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.5 W/kg ± 19.9 % (k=2) |

SAR result with SAM Head (Ear)

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|-------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 5.68 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 56.8 W/kg ± 20.3 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---------------------------------------------------------|--------------------|--------------------------|
| SAR measured | 100 mW input power | 1.89 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 18.9 W/kg ± 19.9 % (k=2) |

DASY5 Validation Report for Head TSL

Date: 11.01.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1057

Communication System: UID 0 - CW; Frequency: 5250 MHz, Frequency: 5600 MHz, Frequency: 5750 MHz

Medium parameters used: f = 5250 MHz; $\sigma = 4.55$ S/m; $\varepsilon_r = 36.2$; $\rho = 1000$ kg/m³, Medium parameters used: f = 5600 MHz; $\sigma = 4.9$ S/m; $\varepsilon_r = 35.8$; $\rho = 1000$ kg/m³, Medium parameters used: f = 5750 MHz; $\sigma = 5.06$ S/m; $\varepsilon_r = 35.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.51, 5.51, 5.51); Calibrated: 30.12.2017, ConvF(5.05, 5.05, 5.05); Calibrated: 30.12.2017, ConvF(4.98, 4.98, 4.98); Calibrated: 30.12.2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601 modified; Calibrated: 26.10.2017
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5250 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 72.54 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 27.5 W/kg

SAR(1 g) = 7.91 W/kg; SAR(10 g) = 2.28 W/kg

Maximum value of SAR (measured) = 17.7 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 72.77 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 32.2 W/kg

SAR(1 g) = 8.41 W/kg; SAR(10 g) = 2.4 W/kg

Maximum value of SAR (measured) = 19.7 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5750 MHz/Zoom Scan,

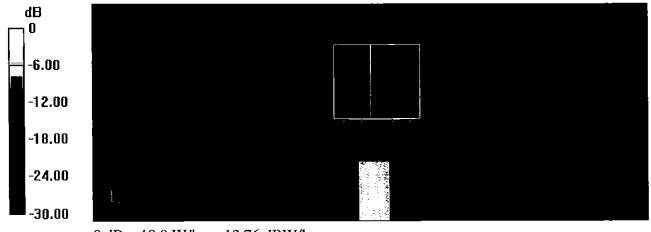
dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 70.93 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 31.4 W/kg

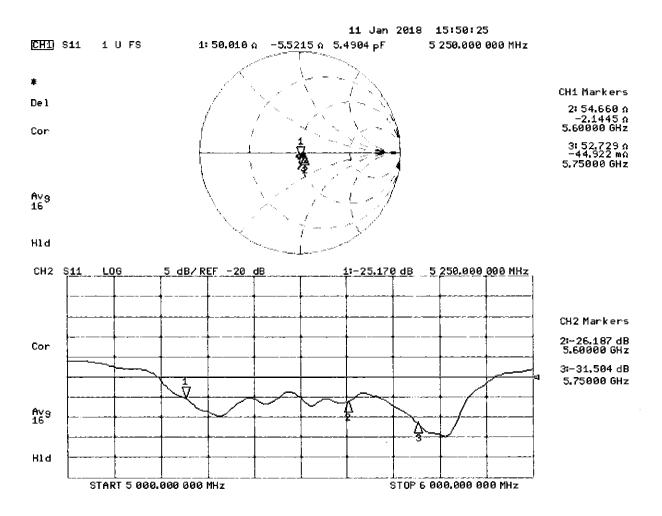
SAR(1 g) = 8.06 W/kg; SAR(10 g) = 2.3 W/kg

Maximum value of SAR (measured) = 18.9 W/kg



0 dB = 18.9 W/kg = 12.76 dBW/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 10.01.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1057

Communication System: UID 0 - CW; Frequency: 5200 MHz, Frequency: 5250 MHz, Frequency: 5600

MHz, Frequency: 5750 MHz, Frequency: 5800 MHz

Medium parameters used: f = 5200 MHz; $\sigma = 5.41 \text{ S/m}$; $\varepsilon_r = 47.3$; $\rho = 1000 \text{ kg/m}^3$

Medium parameters used: f = 5250 MHz; $\sigma = 5.48 \text{ S/m}$; $\varepsilon_r = 47.2$; $\rho = 1000 \text{ kg/m}^3$,

Medium parameters used: f = 5600 MHz; $\sigma = 5.94 \text{ S/m}$; $\varepsilon_r = 46.6$; $\rho = 1000 \text{ kg/m}^3$

Medium parameters used: f = 5750 MHz; $\sigma = 6.15 \text{ S/m}$; $\varepsilon_r = 46.3$; $\rho = 1000 \text{ kg/m}^3$

Medium parameters used: f = 5800 MHz; $\sigma = 6.22 \text{ S/m}$; $\varepsilon_r = 46.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.35, 5.35, 5.35); Calibrated: 30.12.2017, ConvF(5.26, 5.26, 5.26); Calibrated: 30.12.2017, ConvF(4.65, 4.65, 4.65); Calibrated: 30.12.2017, ConvF(4.57, 4.57, 4.57); Calibrated: 30.12.2017, ConvF(4.53, 4.53, 4.53); Calibrated: 30.12.2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 26.10.2017
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5200 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 64.05 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 27.6 W/kg

SAR(1 g) = 7.36 W/kg; SAR(10 g) = 2.06 W/kg

Maximum value of SAR (measured) = 17.1 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5250 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 64.53 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 29.4 W/kg

SAR(1 g) = 7.64 W/kg; SAR(10 g) = 2.13 W/kg

Maximum value of SAR (measured) = 17.9 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 65.09 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 34.0 W/kg

SAR(1 g) = 8.05 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (measured) = 19.5 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5750 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 63.45 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 32.9 W/kg

SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.14 W/kg

Maximum value of SAR (measured) = 18.9 W/kg

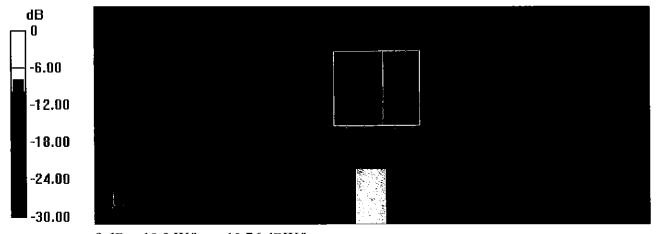
Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5800 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 63.14 V/m; Power Drift = -0.08 dB

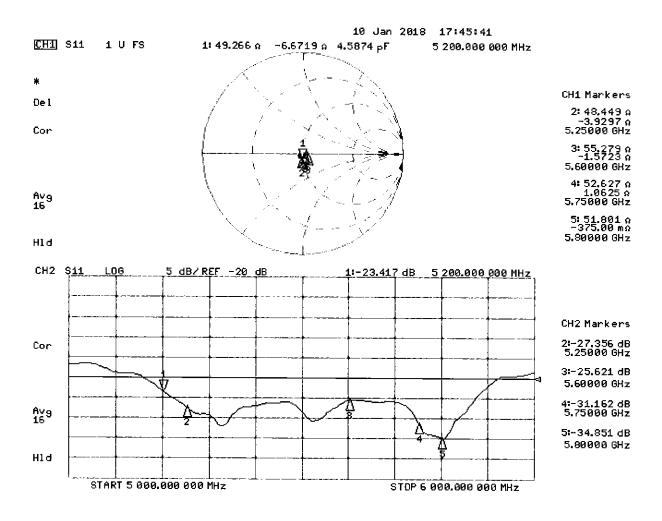
Peak SAR (extrapolated) = 33.3 W/kg

SAR(1 g) = 7.68 W/kg; SAR(10 g) = 2.13 W/kg



0 dB = 18.9 W/kg = 12.76 dBW/kg

Impedance Measurement Plot for Body TSL



DASY5 Validation Report for SAM Head

Date: 16.01.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1057

Communication System: UID 0 - CW; Frequency: 5200 MHz, Frequency: 5800 MHz Medium parameters used: f = 5200 MHz; σ = 4.59 S/m; ϵ r = 36.5; ρ = 1000 kg/m³, Medium parameters used: f = 5800 MHz; σ = 5.28 S/m; ϵ r = 35.4; ρ = 1000 kg/m³

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.75, 5.75, 5.75); Calibrated: 30.12.2017, ConvF(4.96, 4.96, 4.96); Calibrated: 30.12.2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 26.10.2017
- Phantom: SAM Head
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

SAM Head/Top - 5200/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 72.99 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 30.6 W/kg

SAR(1 g) = 8.24 W/kg; SAR(10 g) = 2.35 W/kg

Maximum value of SAR (measured) = 19.7 W/kg

SAM Head/Top - 5800/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 73.00 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 36.5 W/kg

SAR(1 g) = 8.62 W/kg; SAR(10 g) = 2.41 W/kg

Maximum value of SAR (measured) = 21.9 W/kg

SAM Head/Mouth - 5200/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 72.79 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 29.5 W/kg

SAR(1 g) = 8.54 W/kg; SAR(10 g) = 2.37 W/kg

Maximum value of SAR (measured) = 20.7 W/kg

SAM Head/Mouth - 5800/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 71.69 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 34.9 W/kg

SAR(1 g) = 8.88 W/kg; SAR(10 g) = 2.44 W/kg

Maximum value of SAR (measured) = 23.0 W/kg

SAM Head/Neck - 5200/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 72.48 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 27.9 W/kg

SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.37 W/kg

Maximum value of SAR (measured) = 19.3 W/kg

SAM Head/Neck - 5800/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 72.90 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 33.4 W/kg

SAR(1 g) = 8.33 W/kg; SAR(10 g) = 2.35 W/kg

Maximum value of SAR (measured) = 21.8 W/kg

SAM Head/Ear - 5200/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 54.68 V/m; Power Drift = 0.03 dB

D 1 CAD (1 1 1) 16 2 W/I

Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 5.16 W/kg; SAR(10 g) = 1.76 W/kg

Maximum value of SAR (measured) = 11.1 W/kg

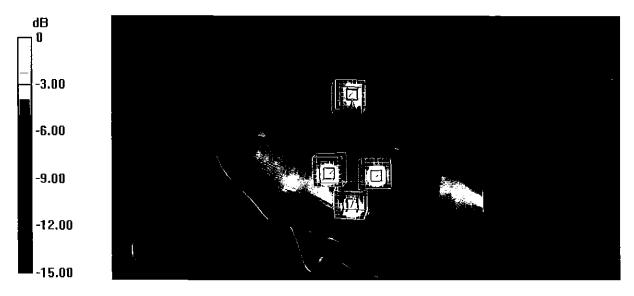
SAM Head/Ear - 5800/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 56.96 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 21.2 W/kg

SAR(1 g) = 5.68 W/kg; SAR(10 g) = 1.89 W/kg

Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 13.8 W/kg = 11.40 dBW/kg

PCTEST ENGINEERING LABORATORY, INC.



7185 Oakland Mills Road, Columbia, MD 21046 USA Tel. +1.410.290.6652 / Fax +1.410.290.6654 http://www.pctest.com



Certification of Calibration

Object D5GHzV2 – SN: 1057

Calibration procedure(s) Procedure for Calibration Extension for SAR Dipoles.

Extension Calibration date: 1/16/2019

Description: SAR Validation Dipole at 5250, 5600, and 5750 MHz.

Calibration Equipment used:

| Manufacturer | Model | Description | Cal Date | Cal Interval | Cal Due | Serial Number |
|-----------------------|-----------|---------------------------------------------------------|------------|--------------|------------|---------------|
| Agilent | 8753ES | S-Parameter Network Analyzer | 2/8/2018 | Annual | 2/8/2019 | US39170122 |
| Agilent | N5182A | MXG Vector Signal Generator | 4/18/2018 | Annual | 4/18/2019 | MY47420800 |
| Amplifier Research | 15S1G6 | Amplifier | CBT | N/A | CBT | 433971 |
| Anritsu | MA2411B | Pulse Power Sensor | 3/2/2018 | Annual | 3/2/2019 | 1207364 |
| Anritsu | MA2411B | Pulse Power Sensor | 3/2/2018 | Annual | 3/2/2019 | 1339018 |
| Anritsu | ML2495A | Power Meter | 10/21/2018 | Annual | 10/21/2019 | 941001 |
| Control Company | 4040 | Therm./Clock/Humidity Monitor | 3/31/2017 | Biennial | 3/31/2019 | 170232394 |
| Control Company | 4352 | Ultra Long Stem Thermometer | 5/2/2017 | Biennial | 5/2/2019 | 170330156 |
| Keysight | 772D | Dual Directional Coupler | CBT | N/A | CBT | MY52180215 |
| Keysight Technologies | 85033E | Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm) | 6/4/2018 | Annual | 6/4/2019 | MY53401181 |
| MiniCircuits | VLF-6000+ | Low Pass Filter | CBT | N/A | CBT | N/A |
| Mini-Circuits | BW-N20W5+ | DC to 18 GHz Precision Fixed 20 dB Attenuator | CBT | N/A | CBT | N/A |
| Narda | 4772-3 | Attenuator (3dB) | CBT | N/A | CBT | 9406 |
| Pasternack | PE2209-10 | Bidirectional Coupler | CBT | N/A | CBT | N/A |
| Seekonk | NC-100 | Torque Wrench | 7/11/2018 | Annual | 7/11/2019 | N/A |
| SPEAG | DAE4 | Dasy Data Acquisition Electronics | 10/3/2018 | Annual | 10/3/2019 | 1558 |
| SPEAG | DAE4 | Dasy Data Acquisition Electronics | 6/18/2018 | Annual | 6/18/2019 | 1334 |
| SPEAG | DAK-3.5 | Dielectric Assessment Kit | 9/11/2018 | Annual | 9/11/2019 | 1091 |
| SPEAG | EX3DV4 | SAR Probe | 8/23/2018 | Annual | 8/23/2019 | 7308 |
| SPEAG | EX3DV4 | SAR Probe | 6/25/2018 | Annual | 6/25/2019 | 7409 |

Measurement Uncertainty = ±23% (k=2)

| | Name | Function | Signature |
|----------------|-------------------|-----------------------------|-------------------|
| Calibrated By: | Brodie Halbfoster | Test Engineer | BRODIE HALBFOSTER |
| Approved By: | Kaitlin O'Keefe | Senior Technical Manager | 20K |

| Object: | Date Issued: | Page 1 of 4 |
|--------------------|--------------|-------------|
| D5GHzV2 – SN: 1057 | 01/16/2019 | Page 1 of 4 |

DIPOLE CALIBRATION EXTENSION

Per KDB 865664 D01, calibration intervals of up to three years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

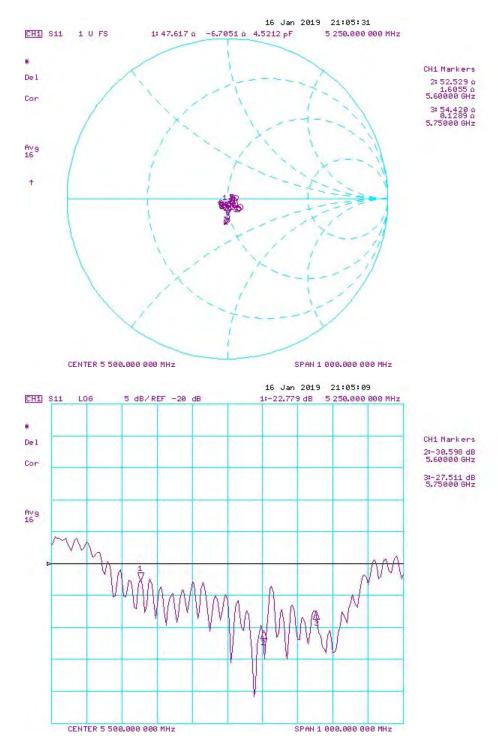
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance does not deviate more than 5Ω from the previous measurement.

The following dipole was checked to pass the above 3 requirements to have 2-year calibration period from the calibration date:

| Frequency (MHz) | Calibration Date | Extension Date | Certificate Electrical Delay (ns) | Certificate SAR Target Head (1g) W/kg @ 17.0 dBm | (1a) W/ka @ | Deviation 1g (%) | Certificate SAR Target Head (10g) W/kg @ 17.0 dBm | (40a) W//ka @ | Deviation 10g (%) | Certificate Impedance Head (Ohm) Real | Measured Impedance Head (Ohm) Real | Difference (Ohm) Real | Certificate Impedance Head (Ohm) Imaginary | Measured Impedance Head (Ohm) Imaginary | Difference (Ohm) Imaginary | Certificate Return Loss Head (dB) | Measured Return Loss Head (dB) | Deviation (%) | PASS/FAIL |
|--------------------|---------------------|-------------------|-----------------------------------------|--------------------------------------------------------------|-------------|---------------------|---------------------------------------------------------------|---------------|----------------------|------------------------------------------------|---------------------------------------------|--------------------------|-----------------------------------------------------|--------------------------------------------------|----------------------------------|-----------------------------------------|--------------------------------------|---------------|-----------|
| 5250 | 1/16/2018 | 1/16/2019 | 1.203 | 3.96 | 3.63 | -8.33% | 1.14 | 1.04 | -8.77% | 50 | 47.6 | 2.4 | -5.5 | -6.7 | 1.2 | -25.2 | -22.8 | 9.60% | PASS |
| 5600 | 1/16/2018 | 1/16/2019 | 1.203 | 4.205 | 3.84 | -8.68% | 1.2 | 1.09 | -9.17% | 54.7 | 52.5 | 2.2 | -2.1 | 1.6 | 3.7 | -26.2 | -30.6 | -16.80% | PASS |
| 5750 | 1/16/2018 | 1/16/2019 | 1.203 | 4.025 | 3.76 | -6.58% | 1.15 | 1.07 | -6.96% | 52.7 | 54.4 | 1.7 | 0 | 0.1 | 0.1 | -31.5 | -27.5 | 12.70% | PASS |
| Frequency (MHz) | Calibration Date | Extension Date | Certificate Electrical Delay (ns) | Certificate SAR Target Body (1g) W/kg @ 17.0 dBm | (1a) M/ka @ | Deviation 1g (%) | Certificate SAR Target Body (10g) W/kg @ 17.0 dBm | (40a) W//ka @ | Deviation 10g (%) | Certificate Impedance Body (Ohm) Real | Measured Impedance Body (Ohm) Real | Difference (Ohm) Real | Certificate Impedance Body (Ohm) Imaginary | Measured Impedance Body (Ohm) Imaginary | Difference (Ohm) Imaginary | Certificate Return Loss Body (dB) | Measured Return Loss Body (dB) | Deviation (%) | PASS/FAIL |
| 5250 | 1/16/2018 | 1/16/2019 | 1.203 | 3.795 | 3.73 | -1.71% | 1.06 | 1.03 | -2.37% | 48.4 | 45.9 | 2.5 | -3.9 | -4 | 0.1 | -27.4 | -24.5 | 10.50% | PASS |
| 5600 | 1/16/2018 | 1/16/2019 | 1.203 | 3.995 | 4.06 | 1.63% | 1.12 | 1.12 | 0.45% | 55.3 | 51 | 4.3 | -1.6 | 2.8 | 4.4 | -25.6 | -30.7 | -20.00% | PASS |
| 5750 | 1/16/2018 | 1/16/2019 | 1.203 | 3.835 | 3.65 | -4.82% | 1.06 | 1.02 | -3.77% | 52.6 | 52.9 | 0.3 | 1.1 | 0.6 | 0.5 | -31.2 | -30.7 | 1.60% | PASS |

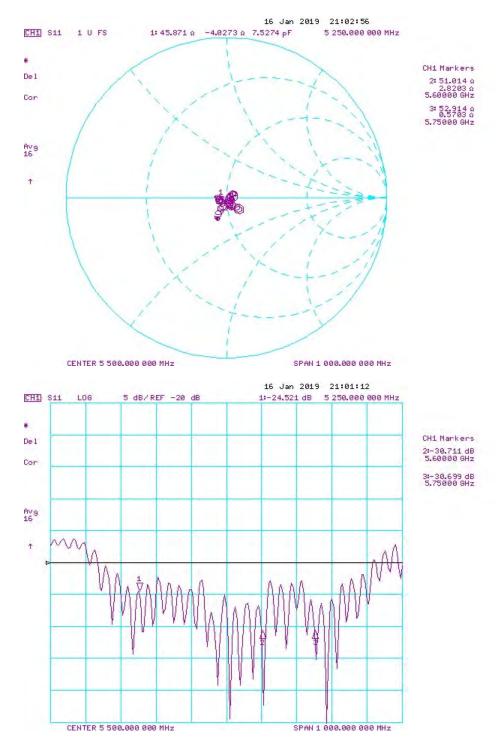
| Object: | Date Issued: | Page 2 of 4 | |
|--------------------|--------------|-------------|--|
| D5GHzV2 – SN: 1057 | 01/16/2019 | Fage 2 01 4 | |

Impedance & Return-Loss Measurement Plot for Head TSL



| Object: | Date Issued: | Page 3 of 4 |
|--------------------|--------------|-------------|
| D5GHzV2 – SN: 1057 | 01/16/2019 | rage 3 or 4 |

Impedance & Return-Loss Measurement Plot for Body TSL



| Object: | Date Issued: | Page 4 of 4 |
|--------------------|--------------|-------------|
| D5GHzV2 – SN: 1057 | 01/16/2019 | Page 4 of 4 |

- 1



7185 Oakland Mills Road, Columbia, MD 21046 USA Tel. +1.410.290.6652 / Fax +1.410.290.6654 http://www.pctest.com



Certification of Calibration

Object D5GHzV2 – SN: 1057

Calibration procedure(s) Procedure for Calibration Extension for SAR Dipoles.

Extension Calibration date: 1/16/2020

Description: SAR Validation Dipole at 5250, 5600, and 5750 MHz.

Calibration Equipment used:

| Manufacturer | Model | Description | Cal Date | Cal Interval | Cal Due | Serial Number |
|-----------------------|---------------|---------------------------------------------------------|------------|--------------|------------|---------------|
| Control Company | 4040 | Therm./Clock/Humidity Monitor | 6/29/2019 | Biennial | 6/29/2021 | 192291470 |
| Control Company | 4352 | Ultra Long Stem Thermometer | 8/2/2018 | Biennial | 8/2/2020 | 181334684 |
| Amplifier Research | 15S1G6 | Amplifier | CBT | N/A | CBT | 433971 |
| Narda | 4772-3 | Attenuator (3dB) | CBT | N/A | CBT | 9406 |
| Keysight Technologies | 85033E | Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm) | 7/2/2019 | Annual | 7/2/2020 | MY53401181 |
| Rohde & Schwarz | ZNLE6 | Vector Network Analyzer | 10/11/2019 | Annual | 10/11/2020 | 101307 |
| Mini-Circuits | BW-N20W5+ | DC to 18 GHz Precision Fixed 20 dB Attenuator | CBT | N/A | CBT | N/A |
| SPEAG | DAKS-3.5 | Portable DAK | 9/10/2019 | Annual | 9/10/2020 | 1045 |
| Anritsu | MA2411B | Pulse Power Sensor | 8/14/2019 | Annual | 8/14/2020 | 1315051 |
| Anritsu | MA2411B | Pulse Power Sensor | 8/8/2019 | Annual | 8/8/2020 | 1339008 |
| Anritsu | ML2495A | Power Meter | 1/15/2020 | Annual | 1/15/2021 | 1328004 |
| Agilent | N5182A | MXG Vector Signal Generator | 8/19/2019 | Annual | 8/19/2020 | MY47420837 |
| Seekonk | NC-100 | Torque Wrench | 5/9/2018 | Biennial | 5/9/2020 | 22217 |
| MiniCircuits | ZHDC-16-63-S+ | Bidirectional Coupler | CBT | N/A | CBT | N/A |
| MiniCircuits | VLF-6000+ | Low Pass Filter | CBT | N/A | CBT | N/A |
| SPEAG | EX3DV4 | SAR Probe | 5/16/2019 | Annual | 5/16/2020 | 7406 |
| SPEAG | EX3DV4 | SAR Probe | 6/19/2019 | Annual | 6/19/2020 | 7409 |
| SPEAG | DAE4 | Dasy Data Acquisition Electronics | 6/20/2019 | Annual | 6/20/2020 | 1334 |
| SPEAG | DAE4 | Dasy Data Acquisition Electronics | 5/8/2019 | Annual | 5/8/2020 | 728 |

Measurement Uncertainty = ±23% (k=2)

| | Name | Function | Signature |
|----------------|-------------------|-----------------------------|-------------------|
| Calibrated By: | Brodie Halbfoster | Test Engineer | BRODIE HALBFOSTER |
| Approved By: | Kaitlin O'Keefe | Senior Technical Manager | 20K |

| Object: | Date Issued: | Page 1 of 4 |
|--------------------|--------------|-------------|
| D5GHzV2 – SN: 1057 | 01/16/2020 | Page 1 of 4 |

DIPOLE CALIBRATION EXTENSION

Per KDB 865664 D01, calibration intervals of up to three years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

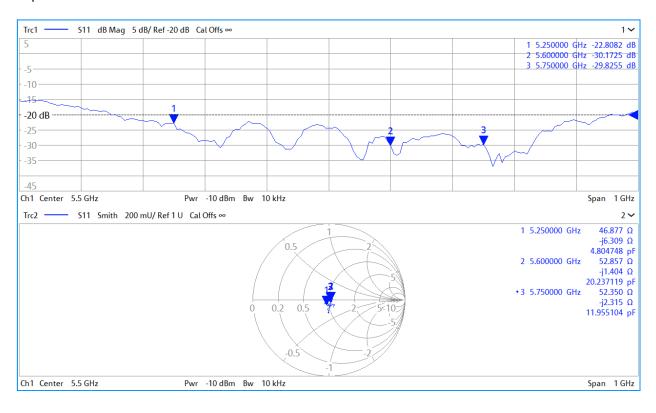
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance does not deviate more than 5Ω from the previous measurement.

The following dipole was checked to pass the above 3 requirements to have 3-year calibration period from the calibration date:

| Frequ (Mi | | Calibration Date | Extension Date | Certificate Electrical Delay (ns) | Certificate SAR Target Head (1g) W/kg @ 17.0 dBm | Measured Head SAR (1g) W/kg @ 17.0 dBm | (96) | Certificate SAR Target Head (10g) W/kg @ 17.0 dBm | (40a) M//ka @ | Deviation 10g (%) | Certificate Impedance Head (Ohm) Real | Measured Impedance Head (Ohm) Real | Difference (Ohm) Real | Certificate Impedance Head (Ohm) Imaginary | Measured Impedance Head (Ohm) Imaginary | Difference (Ohm) Imaginary | Certificate Return Loss Head (dB) | Measured Return Loss Head (dB) | Deviation (%) | PASS/FAIL |
|--------------|----|---------------------|----------------|-----------------------------------------|--------------------------------------------------------------|-------------------------------------------------|--------|---------------------------------------------------------------|--------------------------------------------------|----------------------|------------------------------------------------|---------------------------------------------|--------------------------|-----------------------------------------------------|--------------------------------------------------|----------------------------------|-----------------------------------------|--------------------------------------|---------------|-----------|
| 52 | 50 | 1/16/2018 | 1/16/2020 | 1.203 | 3.96 | 3.72 | -6.06% | 1.14 | 1.05 | -7.89% | 50 | 46.9 | 3.1 | -5.5 | -6.3 | 8.0 | -25.2 | -22.8 | 9.50% | PASS |
| 56 | 00 | 1/16/2018 | 1/16/2020 | 1.203 | 4.205 | 3.91 | -7.02% | 1.2 | 1.11 | -7.50% | 54.7 | 52.9 | 1.8 | -2.1 | -1.4 | 0.7 | -26.2 | -30.2 | -15.20% | PASS |
| 57 | 50 | 1/16/2018 | 1/16/2020 | 1.203 | 4.025 | 3.72 | -7.58% | 1.15 | 1.05 | -8.70% | 52.7 | 52.4 | 0.4 | 0 | -2.3 | 2.3 | -31.5 | -29.8 | 5.30% | PASS |
| Frequ (Mi | | Calibration Date | Extension Date | Certificate Electrical Delay (ns) | Certificate SAR Target Body (1g) W/kg @ 17.0 dBm | Measured Body SAR (1g) W/kg @ 17.0 dBm | (96) | | Measured Body SAR (10g) W/kg @ 17.0 dBm | Deviation 10g (%) | Certificate Impedance Body (Ohm) Real | Measured Impedance Body (Ohm) Real | Difference (Ohm) Real | Certificate Impedance Body (Ohm) Imaginary | Measured Impedance Body (Ohm) Imaginary | Difference (Ohm) Imaginary | Certificate Return Loss Body (dB) | Measured Return Loss Body (dB) | Deviation (%) | PASS/FAIL |
| 52 | 50 | 1/16/2018 | 1/16/2020 | 1.203 | 3.795 | 3.75 | -1.19% | 1.06 | 1.04 | -1.42% | 48.4 | 51 | 2.6 | -3.9 | -2.8 | 1.1 | -27.4 | -30.6 | -11.80% | PASS |
| 56 | 00 | 1/16/2018 | 1/16/2020 | 1.203 | 3.995 | 3.98 | -0.38% | 1.12 | 1.1 | -1.35% | 55.3 | 53.6 | 1.7 | -1.6 | 0.2 | 1.8 | -25.6 | -29.2 | -14.00% | PASS |
| 57 | 50 | 1/16/2018 | 1/16/2020 | 1.203 | 3.835 | 3.87 | 0.91% | 1.06 | 1.06 | 0.00% | 52.6 | 52.8 | 0.2 | 1.1 | 0.5 | 0.6 | -31.2 | -31.4 | -0.20% | PASS |

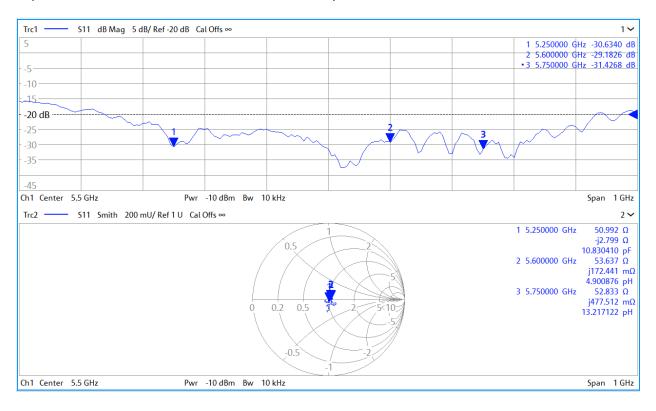
| Object: | Date Issued: | Page 2 of 4 |
|--------------------|--------------|-------------|
| D5GHzV2 – SN: 1057 | 01/16/2020 | raye 2 01 4 |

Impedance & Return-Loss Measurement Plot for Head TSL



| Object: | Date Issued: | Page 3 of 4 | |
|--------------------|--------------|-------------|--|
| D5GHzV2 – SN: 1057 | 01/16/2020 | rage 3 01 4 | |

Impedance & Return-Loss Measurement Plot for Body TSL



| Object: | Date Issued: | Page 4 of 4 |
|--------------------|--------------|-------------|
| D5GHzV2 – SN: 1057 | 01/16/2020 | Page 4 of 4 |

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





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

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

PC Test

Certificate No: EX3-7410_Jul19

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7410

Calibration procedure(s)

QA CAL-01.v9, QA CAL-14.v5, QA CAL-23.v5, QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

BNV

07/3/12010

Calibration date:

July 16, 2019

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 | 03-Apr-19 (No. 217-02892/02893) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103244 | 03-Apr-19 (No. 217-02892) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103245 | 03-Apr-19 (No. 217-02893) | Apr-20 |
| Reference 20 dB Attenuator | SN: S5277 (20x) | 04-Apr-19 (No. 217-02894) | Apr-20 |
| DAE4 | SN: 660 | 19-Dec-18 (No. DAE4-660_Dec18) | Dec-19 |
| Reference Probe ES3DV2 | SN: 3013 | 31-Dec-18 (No. ES3-3013_Dec18) | Dec-19 |
| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB41293874 | 06-Apr-16 (in house check Jun-18) | In house check; Jun-20 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-18) | In house check; Jun-20 |
| Network Analyzer E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-18) | In house check; Oct-19 |

Calibrated by:

Deton Kastrati

Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: July 16, 2019

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

Calibration Laboratory of

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

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

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

CF A, B, C, D 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, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- 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).

Certificate No: EX3-7410 Jul19

EX3DV4 - SN:7410

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7410

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|--------------------------------------------|----------|----------|----------|-----------|
| Norm (μV/(V/m) ²) ^A | 0.41 | 0.47 | 0.43 | ± 10.1 % |
| DCP (mV) ^B | 95.0 | 98.5 | 98.3 | |

Calibration Results for Modulation Response

| UID | Communication System Name | | A dB | B dBõV | С | D dB | VR mV | Max dev. | Max Unc ^E (k=2) |
|--------|-----------------------------|---|---------|-----------|-------|---------|----------|-------------|----------------------------------|
| 0 | CW | X | 0.00 | 0.00 | 1.00 | 0.00 | 143.3 | ± 3.3 % | ± 4.7 % |
| | | Y | 0.00 | 0.00 | 1.00 | | 136.3 | /• | |
| | | Z | 0.00 | 0.00 | 1.00 | | 146.3 | | |
| 10352- | Pulse Waveform (200Hz, 10%) | X | 7.20 | 77.00 | 15.83 | 10.00 | 60.0 | ± 3.7 % | ± 9.6 % |
| AAA | | Y | 15.00 | 89.41 | 20.45 | | 60.0 | | |
| | | Z | 15.00 | 86.58 | 19,43 | | 60.0 | | |
| 10353- | Pulse Waveform (200Hz, 20%) | Х | 15.00 | 85.70 | 17.13 | 6.99 | 80.0 | ± 2.7 % | ± 9.6 % |
| AAA | | Y | 15.00 | 94.26 | 21.82 | 1 | 80.0 | · | |
| | | Z | 15.00 | 87.46 | 18.36 | 1 | 80.0 | | |
| 10354- | Pulse Waveform (200Hz, 40%) | X | 15.00 | 84.98 | 15.02 | 3.98 | 95.0 | ± 1.4 % | ± 9.6 % |
| AAA | | Y | 15.00 | 105.63 | 25.93 | 1 | 95.0 | | |
| | | Z | 15.00 | 86.91 | 16.30 | 1 | 95.0 | | |
| 10355- | Pulse Waveform (200Hz, 60%) | X | 0.58 | 63.48 | 6.70 | 2.22 | 120.0 | ± 1.4 % | ±9.6% |
| AAA | 1 | Y | 15.00 | 128.91 | 35.05 | 1 | 120.0 | | |
| | | Z | 1.67 | 69.27 | 9.07 | | 120.0 | | |
| 10387- | QPSK Waveform, 1 MHz | X | 0.58 | 60.52 | 7.75 | 0.00 | 150.0 | ± 2.7 % | ±9.6 % |
| AAA | | Y | 1.10 | 67.31 | 12.60 | | 150.0 | | |
| | | Z | 0.65 | 60.71 | 8.42 | | 150.0 | | |
| 10388- | QPSK Waveform, 10 MHz | X | 2.25 | 68.70 | 16.13 | 0.00 | 150.0 | ± 1.1 % | ± 9.6 % |
| AAA | | Y | 2.69 | 71.62 | 17.77 | | 150.0 | | |
| | | Z | 2.10 | 66.95 | 14.95 | | 150.0 | | |
| 10396- | 64-QAM Waveform, 100 kHz | X | 2.85 | 69.56 | 18.52 | 3.01 | 150.0 | ± 0.7 % | ± 9.6 % |
| AAA | | Υ | 3.27 | 72.43 | 19.82 | | 150.0 | | |
| | | Z | 2.96 | 69.30 | 18.13 | | 150.0 | | |
| 10399- | 64-QAM Waveform, 40 MHz | X | 3.51 | 67.28 | 15.99 | 0.00 | 150.0 | ± 2.2 % | ± 9.6 % |
| AAA | | Υ | 3.73 | 68.43 | 16.68 | | 150.0 | | |
| | | Z | 3.45 | 66.65 | 15.48 | | 150.0 | | |
| 10414- | WLAN CCDF, 64-QAM, 40MHz | Х | 4.86 | 65.74 | 15.76 | 0.00 | 150.0 | ± 4.2 % | ± 9.6 % |
| AAA | | Y | 5.02 | 66.29 | 16.07 | | 150.0 | | |
| | | Z | 4.91 | 65.47 | 15.50 | | 150.0 | | |

Note: For details on UID parameters see Appendix

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

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

B Numerical linearization parameter: uncertainty not required.

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

EX3DV4- SN:7410

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7410

Sensor Model Parameters

| | C1 fF | C2 fF | a V ⁻¹ | T1 ms.V ⁻² | T2 ms.V ⁻¹ | T3 ms | T4 V-2 | T5 V ⁻¹ | T6 |
|---|----------|----------|----------------------|--------------------------|--------------------------|----------|-----------|-----------------------|------|
| X | 44.0 | 341.99 | 38.28 | 7.82 | 0.67 | 5.04 | 0.00 | 0.55 | 1.01 |
| Υ | 48.3 | 362.63 | 36.17 | 12.06 | 0.12 | 5.10 | 0.87 | 0.38 | 1.01 |
| Z | 52.1 | 408.62 | 38.63 | 10.30 | 0.68 | 5.08 | 0.00 | 0.64 | 1.01 |

Other Probe Parameters

| Sensor Arrangement | Triangular |
|-----------------------------------------------|------------|
| Connector Angle (°) | 0.7 |
| 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 |

Certificate No: EX3-7410_Jul19

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7410

Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) ^C | Relative Permittivity ^F | Conductivity (S/m) F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k=2) |
|----------------------|---------------------------------------|----------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 750 | 41.9 | 0.89 | 9.95 | 9.95 | 9.95 | 0.69 | 0.80 | ± 12.0 % |
| 835 | 41.5 | 0.90 | 9.88 | 9.88 | 9.88 | 0.51 | 0.80 | ± 12.0 % |
| 1750 | 40.1 | 1.37 | 8.46 | 8.46 | 8.46 | 0.33 | 0.86 | ± 12.0 % |
| 1900 | 40.0 | 1.40 | 8.11 | 8.11 | 8.11 | 0.35 | 0.86 | ± 12.0 % |
| 2300 | 39.5 | 1.67 | 7.91 | 7.91 | 7.91 | 0.34 | 0.90 | ± 12.0 % |
| 2450 | 39.2 | 1.80 | 7.47 | 7.47 | 7.47 | 0.37 | 0.90 | ± 12.0 % |
| 2600 | 39.0 | 1.96 | 7.33 | 7.33 | 7.33 | 0.39 | 0.90 | ± 12.0 % |
| 5250 | 35.9 | 4.71 | 5.46 | 5.46 | 5.46 | 0.40 | 1.80 | ± 13.1 % |
| 5600 | 35.5 | 5.07 | 4.85 | 4.85 | 4.85 | 0.40 | 1.80 | ± 13.1 % |
| 5750 | 35.4 | 5.22 | 5.05 | 5.05 | 5.05 | 0.40 | 1.80 | ± 13.1 % |

^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7410

Calibration Parameter Determined in Body Tissue Simulating Media

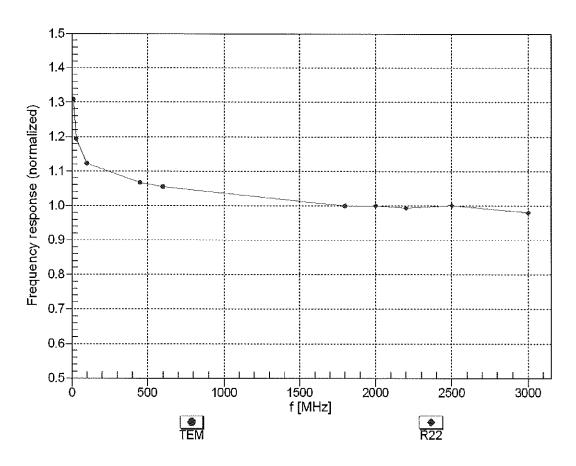
| f (MHz) ^C | Relative Permittivity ^F | Conductivity (S/m) F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k=2) |
|----------------------|---------------------------------------|----------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 750 | 55.5 | 0.96 | 10.01 | 10.01 | 10.01 | 0.48 | 0.84 | ± 12.0 % |
| 835 | 55.2 | 0.97 | 9.79 | 9.79 | 9.79 | 0.48 | 0.80 | ± 12.0 % |
| 1750 | 53.4 | 1.49 | 8.08 | 8.08 | 8.08 | 0.38 | 0.86 | ± 12.0 % |
| 1900 | 53.3 | 1.52 | 7.78 | 7.78 | 7.78 | 0.42 | 0.86 | ± 12.0 % |
| 2300 | 52.9 | 1.81 | 7.68 | 7.68 | 7.68 | 0.43 | 0.90 | ± 12.0 % |
| 2450 | 52.7 | 1.95 | 7.44 | 7.44 | 7.44 | 0.33 | 0.90 | ± 12.0 % |
| 2600 | 52.5 | 2.16 | 7.43 | 7.43 | 7.43 | 0.33 | 0.80 | ± 12.0 % |
| 5250 | 48.9 | 5.36 | 4.95 | 4.95 | 4.95 | 0.50 | 1.90 | ± 13.1 % |
| 5600 | 48.5 | 5.77 | 4.42 | 4.42 | 4.42 | 0.50 | 1.90 | ± 13.1 % |
| 5750 | 48.3 | 5.94 | 4.60 | 4.60 | 4.60 | 0.50 | 1.90 | ± 13.1 % |

^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

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

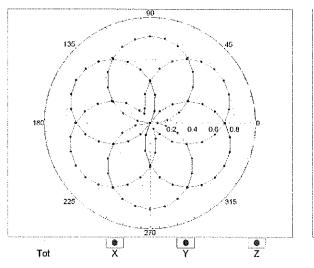


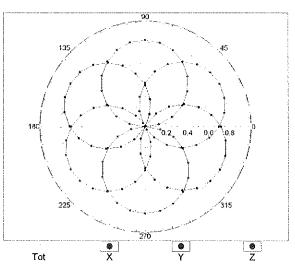
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

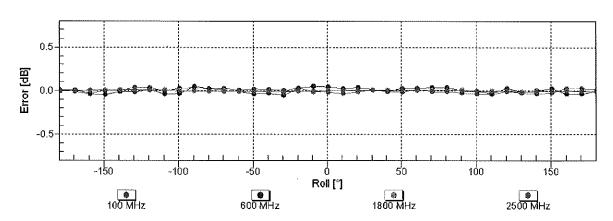
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

f=600 MHz,TEM

f=1800 MHz,R22

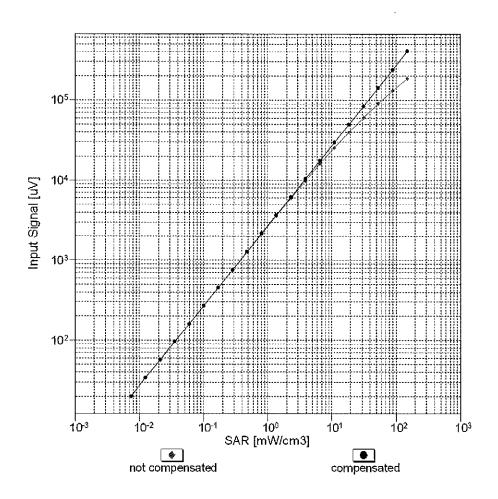


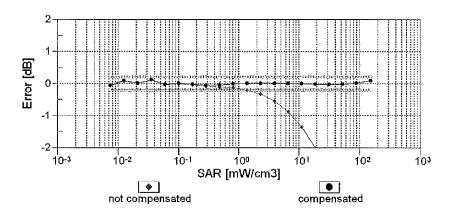




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

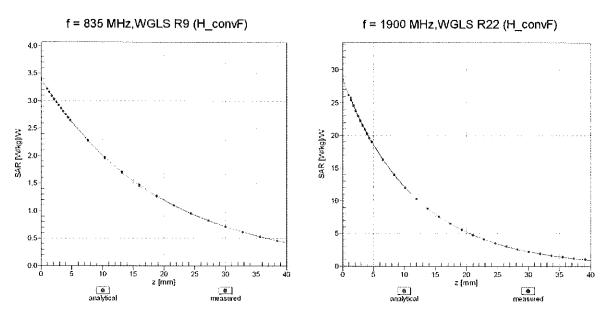
Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



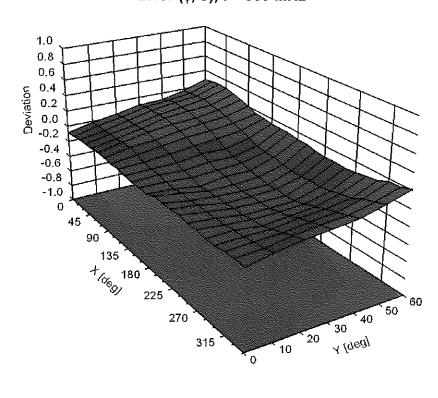


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



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



EX3DV4- SN:7410 July 16, 2019

Appendix: Modulation Calibration Parameters

| UID | Rev | Communication System Name | Group | PAR | Unc |
|----------------|------|----------------------------------------------------------------------------------------|------------------------|--------------|--------------------|
| ם יט | 1/64 | Communication Cyclem Nume | | (dB) | (k=2) |
| 0 | | CW | CW | 0.00 | ± 4.7 % |
| 10010 | CAA | SAR Validation (Square, 100ms, 10ms) | Test | 10.00 | ± 9.6 % |
| 10011 | CAB | UMTS-FDD (WCDMA) | WCDMA | 2.91 | ± 9.6 % |
| 10012 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) | WLAN | 1.87 | ± 9.6 % |
| 10013 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | WLAN | 9.46 | ± 9.6 % |
| 10021 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ± 9.6 % |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | ± 9.6 % |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 6.56 | ± 9.6 % |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0) | GSM | 12.62 | ±9.6% |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9.55 | ±9.6% |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | GSM | 4.80 | ± 9.6 % |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) | GSM | 3.55 | ± 9.6 % |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2) | GSM | 7.78 | ± 9.6 % |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1) | Bluetooth | 5.30 | ± 9.6 % |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3) | Bluetooth Bluetooth | 1.87 1.16 | ±9.6 % ±9.6 % |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5) | Bluetooth | 7.74 | ±9.6 % |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) | Bluetooth | 4.53 | ± 9.6 % |
| 10034 10035 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5) | Bluetooth | 3.83 | ±9.6 % |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1) | Bluetooth | 8.01 | ± 9.6 % |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Bluetooth | 4.77 | ± 9.6 % |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5) | Bluetooth | 4.10 | ± 9.6 % |
| 10030 | CAB | CDMA2000 (1xRTT, RC1) | CDMA2000 | 4.57 | ±9.6% |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS | 7.78 | ± 9.6 % |
| 10044 | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM) | AMPS | 0.00 | ± 9.6 % |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | DECT | 13.80 | ± 9.6 % |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | DECT | 10.79 | ± 9.6 % |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps) | TD-SCDMA | 11.01 | ±9.6% |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | ± 9.6 % |
| 10059 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) | WLAN | 2.12 | ± 9.6 % |
| 10060 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) | WLAN | 2.83 | ± 9.6 % |
| 10061 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) | WLAN | 3.60 | ±9.6% |
| 10062 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) | WLAN | 8.68 8.63 | ± 9.6 % ± 9.6 % |
| 10063 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) | WLAN WLAN | 9.09 | ±9.6 % |
| 10064 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps) | WLAN | 9.00 | ±9.6 % |
| 10065 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 16 Mbps) | WLAN | 9.38 | ± 9.6 % |
| 10067 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps) | WLAN | 10.12 | ± 9.6 % |
| 10068 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | ± 9.6 % |
| 10069 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) | WLAN | 10.56 | ±9.6 % |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps) | WLAN | 9.83 | ± 9.6 % |
| 10072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.62 | ±9.6 % |
| 10073 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | WLAN | 9.94 | ± 9.6 % |
| 10074 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | WLAN | 10.30 | ± 9.6 % |
| 10075 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | WLAN | 10.77 | ± 9.6 % |
| 10076 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | WLAN | 10.94 | ± 9.6 % |
| 10077 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | WLAN | 11.00 | ± 9.6 % |
| 10081 | CAB | CDMA2000 (1xRTT, RC3) | CDMA2000 | 3.97 | ± 9.6 % |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS | 4.77 | ± 9.6 % |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 6.56 | ±9.6 % |
| 10097 | CAB | UMTS-FDD (HSDPA) | WCDMA | 3.98 | ±9.6% |
| 10098 | CAB | UMTS-FDD (HSUPA, Subtest 2) | WCDMA GSM | 3.98 9.55 | ± 9.6 % |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | LTE-FDD | 5.67 | ± 9.6 % |
| 10100 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-FDD | 6.42 | ± 9.6 % |
| 10101 10102 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
| 10102 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 04-QAM) | LTE-TDD | 9.29 | ± 9.6 % |
| 10103 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.97 | ± 9.6 % |
| 10104 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 10-QAM) | LTE-TDD | 10.01 | ± 9.6 % |
| 10108 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-FDD | 5.80 | ± 9.6 % |
| , 5, 50 | J 2~ | 1 | - | | |

Certificate No: EX3-7410_Jul19

| T 10 10 0 | T = | | | | |
|-----------|-----|--------------------------------------------------|------------------------|-------|---------|
| 10109 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10110 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 % |
| 10111 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.44 | ± 9.6 % |
| 10112 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.59 | ± 9.6 % |
| 10113 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 % |
| 10114 | CAC | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) | WLAN | 8.10 | |
| 10115 | CAC | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | | | ± 9.6 % |
| 10116 | CAC | IEEE 802.11n (HT Greenfield, 61 Mbps, 64-QAM) | WLAN | 8.46 | ± 9.6 % |
| 10117 | CAC | IEEE 002.1111 (FT Greenileid, 135 Mipps, 64-QAM) | WLAN | 8.15 | ± 9.6 % |
| | | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8.07 | ± 9.6 % |
| 10118 | CAC | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | WLAN | 8.59 | ± 9.6 % |
| 10119 | CAC | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10140 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10141 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.53 | ± 9.6 % |
| 10142 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10143 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.35 | ± 9.6 % |
| 10144 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.65 | ± 9.6 % |
| 10145 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.76 | |
| 10146 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.41 | ± 9.6 % |
| 10147 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LIC-FDD | | ±9.6% |
| 10149 | CAE | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.72 | ±9.6 % |
| 10149 | CAE | LITE EDD (SO EDMA 500/ BD 00 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 % |
| | | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
| 10151 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-TDD | 9.28 | ± 9.6 % |
| 10152 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.92 | ± 9.6 % |
| 10153 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.05 | ±9.6% |
| 10154 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 % |
| 10155 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10156 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-FDD | 5.79 | ± 9.6 % |
| 10157 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10158 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 % |
| 10159 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.56 | ± 9.6 % |
| 10160 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-FDD | | |
| 10161 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | | 5.82 | ± 9.6 % |
| 10162 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10166 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 WITZ, 04-QAW) | LTE-FDD | 6.58 | ± 9.6 % |
| | | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.46 | ± 9.6 % |
| 10167 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.21 | ± 9.6 % |
| 10168 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.79 | ± 9.6 % |
| 10169 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10170 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10171 | AAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10172 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10173 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10174 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10175 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10176 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | -:= : = = | | |
| 10177 | CAI | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-FDD | 6.52 | ±9.6 % |
| 10178 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-FDD | 5.73 | ± 9.6 % |
| 10179 | CAG | | LTE-FDD | 6.52 | ± 9.6 % |
| 10179 | | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10181 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10182 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10183 | AAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10184 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10185 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-FDD | 6.51 | ± 9.6 % |
| 10186 | AAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10187 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10188 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10189 | AAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-FDD | ~~~~ | |
| 10193 | CAC | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) | | 6.50 | ± 9.6 % |
| 10194 | CAC | IEEE 802.11n (HT Greenfield, 8.9 Mbps, 16-QAM) | WLAN | 8.09 | ± 9.6 % |
| 10194 | | IEEE 902.1111 (ITT Greenfield, 59 Miops, To-QAM) | WLAN | 8.12 | ± 9.6 % |
| | CAC | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | WLAN | 8.21 | ± 9.6 % |
| 10196 | CAC | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| 10197 | CAC | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10198 | CAC | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) | WLAN | 8.27 | ± 9.6 % |
| 10219 | CAC | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN | 8.03 | ± 9.6 % |
| | | | | | |

EX3DV4- SN:7410 July 16, 2019

| [40000 | | IEEE 002 44n /LIT Miyod 42 2 Mhno 46 OAM) | MAIL A NI | 0 4 2 | +06% |
|----------------|------------|----------------------------------------------------------------------------------------|--------------------|---------------|-----------------------------------------|
| 10220 | CAC | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | WLAN WLAN | 8.13 8.27 | ± 9.6 % ± 9.6 % |
| 10221 | | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) | WLAN | 8.06 | ± 9.6 % |
| 10222 | CAC | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) | WLAN | 8.48 | ± 9.6 % |
| 10223 | CAC | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) | WLAN | 8.08 | ± 9.6 % |
| 10224 | CAC | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | WCDMA | 5.97 | ± 9.6 % |
| 10225 | CAB | UMTS-FDD (HSPA+) | | 9.49 | |
| 10226 | CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-TDD | | ± 9.6 % |
| 10227 | CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-TDD LTE-TDD | 10.26 9.22 | ± 9.6 % ± 9.6 % |
| 10228 | CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TDD | 9.48 | ± 9.6 % |
| 10229 | CAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10230 | CAC | | LTE-TDD | 9.19 | ± 9.6 % |
| 10231 | CAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-TDD | 9.48 | ± 9.6 % |
| 10232 | CAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10233 | CAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-TDD | 9.21 | ± 9.6 % |
| 10234 | CAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-TDD | 9.48 | ± 9.6 % |
| 10235 | CAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | | | *************************************** |
| 10236 | CAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10237 | CAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10238 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10239 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-TOD | 10.25 | ±9.6% |
| 10240 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-TDD LTE-TDD | 9.21 9.82 | ± 9.6 % ± 9.6 % |
| 10241 | CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.82 | ± 9.6 % |
| 10242 | CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 9.86 | ±9.6 % |
| 10243 | CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-TDD | 10.06 | ± 9.6 % |
| 10244 | CAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | | 10.06 | ± 9.6 % |
| 10245 | CAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-TOD | 9.30 | |
| 10246 | CAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-TOD | 9.30 | ±9.6% |
| 10247 | CAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-TDD | 10.09 | ± 9.6 % ± 9.6 % |
| 10248 | CAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-TDD LTE-TDD | 9.29 | ±9.6 % |
| 10249 | CAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-TOD | 9.81 | ± 9.6 % |
| 10250 | CAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-TDD | 10.17 | ± 9.6 % |
| 10251 | CAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-TDD | 9.24 | ± 9.6 % |
| 10252 | CAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TDD | 9.90 | ± 9.6 % |
| 10253 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-TDD | 10.14 | ± 9.6 % |
| 10254 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-TDD | 9.20 | ± 9.6 % |
| 10255 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.96 | ± 9.6 % |
| 10256 | CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 10-QAM) | LTE-TDD | 10.08 | ± 9.6 % |
| 10257 | CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 04-QAM) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.34 | ± 9.6 % |
| 10258 | CAA | | LTE-TDD | 9.98 | ± 9.6 % |
| 10259 | CAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-TDD | 9.97 | ± 9.6 % |
| 10260 | CAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-TOD | 9.24 | ± 9.6 % |
| 10261 | CAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.83 | ± 9.6 % |
| 10262 | | | LTE-TDD | 10.16 | ± 9.6 % |
| 10263 | CAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-TDD | 9.23 | ± 9.6 % |
| 10264 | CAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QFSR) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.92 | ±9.6 % |
| 10265 | CAF CAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 10-QAM) | LTE-TDD | 10.07 | ± 9.6 % |
| 10266 10267 | CAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-TDD | 9.30 | ± 9.6 % |
| 10267 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10268 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-TDD | 10.13 | ± 9.6 % |
| 10269 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM) | LTE-TDD | 9.58 | ± 9.6 % |
| 10270 | CAP | UMTS-FDD (SC-FDMA, 100% RB, 10 MHz, QF3R) | WCDMA | 4.87 | ±9.6 % |
| 10274 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | WCDMA | 3.96 | ± 9.6 % |
| 10273 | CAA | PHS (QPSK) | PHS | 11.81 | ± 9.6 % |
| 10277 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5) | PHS | 11.81 | ± 9.6 % |
| 10278 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38) | PHS | 12.18 | ± 9.6 % |
| 10279 | AAB | CDMA2000, RC1, SO55, Full Rate | CDMA2000 | 3.91 | ± 9.6 % |
| 10290 | AAB | CDMA2000, RC1, SO33, Full Rate | CDMA2000 | 3.46 | ± 9.6 % |
| 10291 | AAB | CDMA2000, RC3, SO32, Full Rate | CDMA2000 | 3.39 | ± 9.6 % |
| 10292 | AAB | CDMA2000, RC3, SO3, Full Rate | CDMA2000 | 3.50 | ± 9.6 % |
| 10295 | AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | CDMA2000 | 12.49 | ± 9.6 % |
| 10293 | AAD | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-FDD | 5.81 | ± 9.6 % |
| 10297 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10299 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.39 | ± 9.6 % |
| 10233 | 1,000 | W. F. DD OO DITH OO / O D D TH E. TO OO WIT | | | |

| 19300 AAD | 10300 | I A A I'S | LITE EDD (OO EDMA FOX DD ONLL ON ONE) | 1 | | · |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------|------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| 10302 | | | | LTE-FDD | 6.60 | ± 9.6 % |
| 10302 | | AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC) | WIMAX | 12.03 | ± 9.6 % |
| Symbols Symb | 10302 | AAA | IEEE 802,16e WiMAX (29:18, 5ms, 10MHz, OPSK, PUSC, 3 CTRI | M/iMAX | | |
| 19393 AAA | | | symbols) | A A LIANT CO. | 12.07 | 1 2.0 76 |
| 19394 AAA IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 640AM, PUSC) | 40202 | ΔΔΔ | | 11111111111 | | |
| 10305 | | | TEEE 802. TOO WIMAX (31:15, 5ms, 10MHZ, 64QAM, PUSC) | | | ± 9.6 % |
| 10305 | | | | WiMAX | 11.86 | ± 9.6 % |
| 10306 AAA IEEE 802.16 WIMAX (29:18, 10ms, 10MHz, G4QAM, PUSC, 18 WIMAX 14.67 ± 9.6 % symbols AAA IEEE 802.16 WIMAX (29:18, 10ms, 10MHz, GPSK, PUSC, 18 WIMAX 14.49 ± 9.6 % symbols AAA IEEE 802.16 WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WIMAX 14.46 ± 9.6 % 10309 AAA IEEE 802.16 WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WIMAX 14.58 ± 9.6 % symbols AAA IEEE 802.16 WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WIMAX 14.59 ± 9.6 % symbols AAA IEEE 802.16 WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WIMAX 14.57 ± 9.6 % symbols AAA IEEE 802.16 WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 WIMAX 14.57 ± 9.6 % symbols AAA IEEE 802.16 WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 WIMAX 14.57 ± 9.6 % symbols AAA IEEE 802.16 WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 WIMAX 14.57 ± 9.6 % symbols AAA IEEE 802.16 WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 WIMAX 14.57 ± 9.6 % Symbols AAA IEEE 802.11 WIFI 2.4 GHz (GPD, GPDM, 6 Mbps, 96pc duty cycle) WIAN 13.40 ± 9.6 % Symbols AAA IEEE 802.11 WIFI 2.4 GHz (GPD, GPDM, 6 Mbps, 96pc duty cycle) WIAN 8.36 ± 9.6 % Symbols AAA IEEE 802.11 WWIFI 2.4 GHz (GPD, GPDM, 6 Mbps, 96pc duty cycle) WIAN 8.36 ± 9.6 % Symbols AAA Pulse Waveform (200Hz, 40%) Generic 10.00 ± 9.6 % Symbols Generic 10.00 ± 9.6 % Symbols AAA Pulse Waveform (200Hz, 40%) Generic 10.00 ± 9.6 % Symbols AAA Pulse Waveform (200Hz, 60%) Generic 10.00 ± 9.6 % Symbols AAA Pulse Waveform (200Hz, 60%) Generic 10.00 ± 9.6 % Symbols AAA Pulse Waveform (200Hz, 60%) Generic 10.00 ± 9.6 % Symbols AAA Pulse Waveform (200Hz, 60%) Generic 10.00 ± 9.6 % Symbols AAA Pulse Waveform (200Hz, 60%) Generic 10.00 ± 9.6 % Symbols AAA Pulse Waveform (200Hz, 60%) Generic 10.00 ± 9.6 % Symbols AAA Pulse Waveform (200Hz, 60%) Generic 10.00 ± 9.6 % Symbols AAA AAA | 10305 | AAA | IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 | | | |
| 19306 AAA IEEE 802.168 WIMAX (29:18, 10ms, 10MHz, 0PSK, PUSC, 18 WIMAX 14.49 ± 9.6 % symbols) 19307 AAA IEEE 802.168 WIMAX (29:18, 10ms, 10MHz, 0PSK, PUSC, 18 WIMAX 14.49 ± 9.6 % symbols) 19308 AAA IEEE 802.168 WIMAX (29:18, 10ms, 10MHz, 160AM, PUSC) WIMAX 14.49 ± 9.6 % 19309 AAA IEEE 802.168 WIMAX (29:18, 10ms, 10MHz, 160AM, PUSC) WIMAX 14.58 ± 9.6 % 19310 AAA IEEE 802.168 WIMAX (29:18, 10ms, 10MHz, 160AM, AMC 2x3, 18 WIMAX 14.58 ± 9.6 % 19311 AAA IEEE 802.168 WIMAX (29:18, 10ms, 10MHz, 0PSK, AMC 2x3, 18 WIMAX 14.57 ± 9.6 % 19313 AAA IEEE 802.168 WIMAX (29:18, 10ms, 10MHz, 0PSK, AMC 2x3, 18 WIMAX 14.57 ± 9.6 % 19313 AAA IEEE 802.168 WIMAX (29:18, 10ms, 10MHz, 0PSK) IEEE 802.168 WIMAX (29:18, 10ms, 10 | | | | *************************************** | 10.24 | 2 3.0 76 |
| 10307 AA IEEE 802 169 WIMAX (29:18, 10ms, 10MHz, OPSK, PUSC, 18 WIMAX 14.49 ±9.6 %, wymolols 10309 AA IEEE 802 169 WIMAX (29:18, 10ms, 10MHz, 160AM, PUSC) WiMAX 14.48 ±9.6 %, symbolols 10310 AAA IEEE 802 169 WIMAX (29:18, 10ms, 10MHz, 160AM, AMC 2x3, 18 WIMAX 14.58 ±9.6 % symbolols 10311 AAA IEEE 802 169 WIMAX (29:18, 10ms, 10MHz, 160AM, AMC 2x3, 18 WIMAX 14.58 ±9.6 % symbolols 10311 AAA IEEE 802 169 WIMAX (29:18, 10ms, 10MHz, OPSK, AMC 2x3, 18 WIMAX 14.57 ±9.6 % symbolols 10311 AAA IEEE 802 169 WIMAX (29:18, 10ms, 10MHz, OPSK, AMC 2x3, 18 WIMAX 14.57 ±9.6 % symbolols 10311 AAA IEEE 802 169 WIMAX (29:18, 10ms, 10MHz, OPSK, AMC 2x3, 18 WIMAX 14.57 ±9.6 % symbolols 10311 AAA IEEE 802 169 WIMAX (29:18, 10ms, 10MHz, OPSK, AMC 2x3, 18 WIMAX 14.57 ±9.6 % symbolols 10311 AAA IEEE 802 169 WIMAX (29:18, 10ms, 10ms | 10206 | ΛΛΛ | | · | | |
| 10307 AAA IEEE 802.16 w IMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 WIMAX 14.49 ±9.6 % symbols symbols AAA IEEE 802.16 w IMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) WIMAX 14.68 ±9.6 % symbols AAA IEEE 802.16 w IMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WIMAX 14.57 ±9.6 % symbols AAA IEEE 802.16 w IMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 WIMAX 14.57 ±9.6 % symbols AAA IEEE 802.16 w IMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 WIMAX 14.57 ±9.6 % symbols AAA IEEE 802.16 w IMAX (29:18, 10ms, 10MHz, QPSK) ITEF-FDD 6.06 ±9.6 % symbols AAA IEEE 802.16 w IMAX (29:18, 10ms, 10MHz, QPSK) IDEN 10.51 ±9.6 % 10314 AAA IDEN 13 IEEE 802.116 w IMER 2.4 GHz, CDSSS, 1 Mbps, 96pc duty cycle) WLAN 1.74 ±9.6 % 10316 AAB IEEE 802.119 w IMER 2.4 GHz, CDFDM, 6 Mbps, 96pc duty cycle) WLAN 1.74 ±9.6 % 10316 AAB IEEE 802.119 w IMER 2.4 GHz, CDFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ±9.6 % 10317 AAC IEEE 802.112 w IMER 2.4 GHz, CDFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ±9.6 % 10352 AAA Pulse Waveform (200Hz, 10%) Generic 10.00 ±9.6 % 10352 AAA Pulse Waveform (200Hz, 10%) Generic 10.00 ±9.6 % 10.354 AAA Pulse Waveform (200Hz, 40%) Generic 3.98 ±9.6 % 10.355 AAA Pulse Waveform (200Hz, 40%) Generic 3.98 ±9.6 % 10.355 AAA Pulse Waveform (200Hz, 50%) Generic 3.98 ±9.6 % 10.355 AAA Pulse Waveform (200Hz, 50%) Generic 5.22 ±9.6 % 10.355 AAA Pulse Waveform (200Hz, 50%) Generic 5.22 ±9.6 % 10.355 AAA ACPSK Waveform, 10 MHz Generic 5.22 ±9.6 % 10.355 AAA ACPSK Waveform, 10 MHz Generic 5.22 ±9.6 % 10.355 AAA ACPSK Waveform, 10 MHz Generic 5.22 ±9.6 % 10.355 AAA ACPSK Waveform, 10 MHz Generic 5.22 ±9.6 % 10.355 AAA ACPSK Waveform, 10 MHz Generic 5.22 ±9.6 % 10.355 AAA ACPSK Waveform, 10 MHz Generic 5.22 ±9.6 % 10.355 AAA ACPSK Waveform, 10 MHz Generic 5.22 ±9.6 % 10 | 10300 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | WIMAX | 14.67 | ± 9.6 % |
| 10308 AAA IEEE 802.16s WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) WiMAX 14.48 ±9.6 % symbols Symbols | | | | | | |
| 10308 AAA | 10307 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 | WiMAX | 14 49 | +96% |
| 10398 | | | symbols) | | | _ 0.0 /0 |
| 10309 | 10308 | ΔΔΔ | | 14/13 4 6 37 | 44.40 | |
| 10310 | | | IEEE BOOK OF WHIMAX (29.10, TUHIS, TUMITZ, TOQAIM, PUSC) | | | |
| 10310 | 10309 | AAA | | WiMAX | 14.58 | ± 9.6 % |
| 10311 | | | | | | |
| 10311 | 10310 | AAA | IEEE 802,16e WiMAX (29:18, 10ms, 10MHz, OPSK, AMC, 2x3, 18 | WiMAX | 1/1 57 | +96% |
| 10311 AAD LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | | | | 1 ********* | 14.01 | 2 0.0 % |
| 10313 | 10311 | AAD | | | | |
| 10314 | | | | | 6.06 | |
| 10314 AAA | | | | IDEN | 10.51 | ± 9.6 % |
| 10315 AAB IEEE 802.11g WiFl 2.4 GHz (CRSS), 1 Mbps, 96pc duty cycle) WLAN 8.36 ±9.6 % 10317 AAC IEEE 802.11g WiFl 5.4 GHz (CRP-OFDM, 8 Mbps, 96pc duty cycle) WLAN 8.36 ±9.6 % 10317 AAC IEEE 802.11g WiFl 5.4 GHz (OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ±9.6 % 10352 AAA Pulse Waveform (200Hz, 20%) Generic 6.99 ±9.6 % 10353 AAA Pulse Waveform (200Hz, 20%) Generic 6.99 ±9.6 % 10354 AAA Pulse Waveform (200Hz, 20%) Generic 2.22 ±9.6 % 10355 AAA Pulse Waveform (200Hz, 80%) Generic 2.22 ±9.6 % 10356 AAA Pulse Waveform (200Hz, 80%) Generic 2.22 ±9.6 % 10356 AAA Pulse Waveform (200Hz, 80%) Generic 2.22 ±9.6 % 10356 AAA Pulse Waveform (200Hz, 80%) Generic 5.10 ±9.6 % 10387 AAA OFSK Waveform, 10 MHz Generic 5.10 ±9.6 % 10388 AAA OFSK Waveform, 10 MHz Generic 5.10 ±9.6 % 10388 AAA AG-QAM Waveform, 40 MHz Generic 5.22 ±9.6 % 10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 ±9.6 % 10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 ±9.6 % 10400 AAD IEEE 802.11ac WiFl (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 ±2.6 % 10400 AAD IEEE 802.11ac WiFl (80MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 ±9.6 % 10404 AAB CDMA2000 (1xEV-DQ, Rev. A) CDMA2000 3.77 ±9.6 % 10404 AAB CDMA2000 (1xEV-DQ, Rev. A) CDMA2000 5.22 ±9.6 % 10404 AAB CDMA2000 (1xEV-DQ, Rev. A) CDMA2000 5.22 ±9.6 % 10404 AAB CDMA2000 (1xEV-DQ, Rev. A) CDMA2000 5.22 ±9.6 % 10404 AAB CDMA2000 (1xEV-DQ, Rev. A) CDMA2000 5.22 ±9.6 % 10404 AAB CDMA2000 (1xEV-DQ, Rev. A) CDMA2000 5.22 ±9.6 % 10404 AAB CDMA2000 (1xEV-DQ, Rev. A) CDMA2000 (1xEV-DQ, Rev. A) CDMA2000 5.22 ±9.6 % 10404 AAB IEEE 802.11b WiFl 2.4 GHz (DSSS, GFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ±9.6 % 10404 AAA IEEE 802.11b WiFl 2.4 GHz (DSSS, GFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ±9.6 % 10404 AAA IEEE 802.11 | 10314 | AAA | IDEN 1:6 | IDEN | 13.48 | |
| 10316 AAB IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 1.9.6 % 10352 AAA Pulse Waveform (200Hz, 10%) Generic 10.00 1.9.6 % 10353 AAA Pulse Waveform (200Hz, 10%) Generic 6.99 1.9.6 % 10353 AAA Pulse Waveform (200Hz, 20%) Generic 3.99 1.9.6 % 10355 AAA Pulse Waveform (200Hz, 40%) Generic 3.99 1.9.6 % 10356 AAA Pulse Waveform (200Hz, 40%) Generic 3.99 1.9.6 % 10356 AAA Pulse Waveform (200Hz, 80%) Generic 0.97 1.9.6 % 10356 AAA Pulse Waveform (200Hz, 80%) Generic 0.97 1.9.6 % 10356 AAA Pulse Waveform (200Hz, 80%) Generic 0.97 1.9.6 % 10356 AAA Pulse Waveform (200Hz, 80%) Generic 0.97 1.9.6 % 10358 AAA Pulse Waveform, 10 MHz Generic 0.97 1.9.6 % 10388 AAA GPSK Waveform, 10 MHz Generic 0.97 1.9.6 % 10398 AAA GPSK Waveform, 100 kHz Generic 0.27 1.9.6 % 10399 AAA GPSK Waveform, 100 kHz Generic 0.27 1.9.6 % 10399 AAA GPSK Waveform, 100 kHz Generic 0.27 1.9.6 % 10400 AAD IEEE 802.11ac WiFl (40MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 1.9.6 % 10401 AAD IEEE 802.11ac WiFl (40MHz, 64-QAM, 99pc duty cycle) WLAN 8.50 1.9.6 % 10402 AAA IEEE 802.11ac WiFl (80MHz, 64-QAM, 99pc duty cycle) WLAN 8.50 1.9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 CDMA2000 CDMA2000 CIEV-DO, Rev. 0) CD | 10315 | AAB | IFFF 802 11h WiFi 2.4 GHz (DSSS 1 Mbps, 96pc duty cycle) | | | |
| 10317 | | | IEEE 900 11a Wift 2.4 OUr (EDD OFDM CAN - 00 - 11 | | | |
| 10352 | | | IEEE 602.11g WIFT 2.4 GHZ (ERP-OFDIVI, 6 Mibps, 96pc duty cycle) | | 8.36 | |
| 10352 | | | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle) | [WLAN | 8.36 | ± 9.6 % |
| 10353 | 10352 | AAA | Pulse Waveform (200Hz, 10%) | | 10.00 | |
| 10354 AAA Pulse Waveform (200Hz, 40%) Generic 3.98 ±9.6 % | 10353 | AAA | | | | |
| 10355 AAA Pulse Waveform (200Hz, 60%) Generic C.22 £9.6 % 10356 AAA Pulse Waveform (200Hz, 80%) Generic Generic G.97 £9.6 % 10387 AAA APISK Waveform, 1 MHz Generic Generic G.27 £9.6 % 10388 AAA QPSK Waveform, 10 MHz Generic G.27 £9.6 % 10399 AAA GAJAM Waveform, 100 KHz Generic G.27 £9.6 % 10400 AAD IEEE 802.11ac WIFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 £9.6 % 10400 AAD IEEE 802.11ac WIFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 £9.6 % 10401 AAD IEEE 802.11ac WIFI (40MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 £9.6 % 10402 AAD IEEE 802.11ac WIFI (80MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 £9.6 % 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 £9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 £9.6 % 10406 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 £9.6 % 10410 AAF LTE-TDD (5C-FDMA, 1 RB, 10 MHz, QPSK, UL LTE-TDD 7.82 £9.6 % 10411 AAA IEEE 802.11a WIFI (20SS, 1 Mbps, 99pc duty cycle) WLAN 1.54 £9.6 % 10416 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 £9.6 % 10417 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 £9.6 % 10419 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 £9.6 % 10419 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 £9.6 % 10420 AAB IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.41 £9.6 % 10421 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.41 £9.6 % 10422 AAB IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.42 £9.6 % 10423 AAB IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.41 £9.6 % 10424 AAB IEEE 802.11g WIFI 2.5 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.41 £ | | | | | | |
| 10366 | | | | | | ± 9.6 % |
| 10386 | | | | Generic | 2.22 | ± 9.6 % |
| 10387 AAA QPSK Waveform, 1 MHz Generic 5.10 ± 9.6 % 10388 AAA QPSK Waveform, 10 MHz Generic 5.22 ± 9.6 % 10399 AAA 64-QAM Waveform, 100 kHz Generic 6.27 ± 9.6 % 10399 AAA 64-QAM Waveform, 100 kHz Generic 6.27 ± 9.6 % 10400 AAD IEEE 802.11ac WiFl (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10401 AAD IEEE 802.11ac WiFl (40MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 ± 9.6 % 10402 AAD IEEE 802.11ac WiFl (80MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10402 AAB IEEE 802.11ac WiFl (80MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.76 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 5.22 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 5.22 ± 9.6 % 10404 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000 5.22 ± 9.6 % 10414 AAA WLAN CCDF, 64-QAM, 40MHz CDF, 64-QAM, 40MHz | 10356 | AAA | Pulse Waveform (200Hz, 80%) | Generic | | |
| 10388 | 10387 | AAA | QPSK Waveform 1 MHz | · · · · · · · · · · · · · · · · · · · | | |
| 10396 | | | | | | |
| 10399 | | | QCSN Waveloim, 10 Winz | | | |
| 10399 AAA 64-QAM Waveform, 40 MHz Generic 6,27 ±9,6 % 10400 AAD IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle) WLAN 8,37 ±9,6 % 10402 AAD IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle) WLAN 8,60 ±9,6 % 10402 AAD IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle) WLAN 8,53 ±9,6 % 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3,76 ±9,6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3,77 ±9,6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3,77 ±9,6 % 10406 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 5,22 ±9,6 % 10410 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL LTE-TDD 7,82 ±9,6 % 10414 AAA WLAN CCDF, 64-QAM, 40MHz Generic 8,54 ±9,6 % 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1,54 ±9,6 % 10416 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8,23 ±9,6 % 10417 AAB IEEE 802.11b WiFi 3 GHz (DFDM, 6 Mbps, 99pc duty cycle) WLAN 8,23 ±9,6 % Long preambule) Long preambule) 10419 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8,14 ±9,6 % Long preambule) 10422 AAB IEEE 802.11b (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8,47 ±9,6 % 10423 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8,47 ±9,6 % 10425 AAB IEEE 802.11n (HT Greenfield, 17.2 Mbps, BPSK) WLAN 8,41 ±9,6 % 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8,41 ±9,6 % 10426 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8,41 ±9,6 % 10426 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8,41 ±9,6 % 10426 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8,41 ±9,6 % 10427 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8,41 ±9,6 % 10428 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8,41 ±9,6 % 10428 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8,41 ±9,6 | | | | Generic | 6.27 | ± 9.6 % |
| 10400 AAD | 10399 | AAA | 64-QAM Waveform, 40 MHz | Generic | 6.27 | |
| 10401 AAD | 10400 | AAD | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99nc duty cycle) | | | |
| 10402 AAD IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 5.22 ± 9.6 % 10406 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000 5.22 ± 9.6 % Subframe-2,3,4,7,8,9 Subframe Confe-4) LTE-TDD CREED (SC-FDMA, 1 RB, 10 MHz, QPSK, UL LTE-TDD T.82 ± 9.6 % Subframe-2,3,4,7,8,9 Subframe Confe-4) LTE-TDD T.82 ± 9.6 % Subframe-2,3,4,7,8,9 Subframe Confe-4) URAN LTE-TDD T.82 ± 9.6 % Subframe-2,3,4,7,8,9 Subframe Confe-4) URAN LTE-TDD T.82 ± 9.6 % Subframe-2,3,4,7,8,9 Subframe Confe-4) URAN LTE-TDD T.82 ± 9.6 % Subframe-2,3,4,7,8,9 Subframe Confe-4) URAN LTE-TDD T.82 ± 9.6 % Subframe-2,3,4,7,8,9 Subframe Confe-4) URAN LTE-TDD T.82 ± 9.6 % Subframe-2,3,4,7,8,9 Subframe Confe-4) URAN LTE-TDD T.82 ± 9.6 % URAN LTE-FDD URAN LTE-TDD URAN URAN LTE-TDD URAN LTE-TDD URAN LTE-TDD URAN LTE-TDD URAN URAN LTE-TDD URAN URAN LTE-TDD URAN URAN LTE-TDD URAN URAN URAN LTE-TDD URAN | | | IEEE 802 11ac WiEl (40MHz, 64 OAM, 90pp duty oyolo) | | | |
| 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 ±9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 ±9.6 % 10406 AAB CDMA2000, RCS, SO32, SCHO, Full Rate CDMA2000 5.22 ±9.6 % 10410 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL LTE-TDD T.82 ±9.6 % Subframe=2,3,4,7,8,9, Subframe Conf=4) LTE-TDD CDF, CDF, CDF, CDF, CDF, CDF, CDF, CDF, | | | IEEE 002.1180 WITT (40WITZ, 04-QAW, 990 daty cycle) | | *************************************** | |
| 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 ± 9.6 % 10406 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000 5.22 ± 9.6 % 10410 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL LTE-TDD 7.82 ± 9.6 % Subframe=2,3,4,7,8,9, Subframe Conf=4) LTE-TDD 7.82 ± 9.6 % 10414 AAA WLAN CCDF, 64-QAM, 40MHz Generic 8.54 ± 9.6 % 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 ± 9.6 % 10416 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.19 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 4.3 Mbps, 16-QAM) WLAN 8.47 ± 9.6 % 10423 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.40 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, BPSK) WLAN 8.44 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 16 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 16 MHz, E-TM 3.1) LTE-FDD 7.56 ± 9.6 % 10448 AAO LTE-FDD (OFDMA, 16 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAO LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 % | | · | TEEE 802.11ac WiFi (80WHz, 64-QAM, 99pc duty cycle) | WLAN | 8.53 | ± 9.6 % |
| 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 ±9.6 % 10406 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000 5.22 ±9.6 % LTE-TDD SC-FDMA, 1 RB, 10 MHz, QPSK, UL LTE-TDD 7.82 ±9.6 % Subframe=2,3,4,7,8,9, Subframe Conf=4) Compared to the subframe=2,3,4,7,8,9, Subframe Conf=4) Compared to the subframe=2,3,4,7,8,9, Subframe Conf=4) Generic 8.54 ±9.6 % 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 ±9.6 % 10416 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 ±9.6 % 10417 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ±9.6 % IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14 ±9.6 % Long preambule) Long preambule) 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, WLAN 8.19 ±9.6 % Short preambule) LEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ±9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 ±9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 8PSK) WLAN 8.41 ±9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, BPSK) WLAN 8.41 ±9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 16-QAM) WLAN 8.41 ±9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 16-QAM) WLAN 8.41 ±9.6 % 10431 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 ±9.6 % 10433 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ±9.6 % 10433 AAC LTE-FDD (OFDMA, 16 MHz, E-TM 3.1) LTE-FDD 8.34 ±9.6 % 10435 AAC LTE-FDD (OFDMA, 16 MHz, E-TM 3.1) LTE-FDD 7.56 ±9.6 % 10448 AAO LTE-FDD (OFDMA, 16 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ±9.6 % 10448 AAO LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ±9.6 % 10448 AAO LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ±9.6 % 10448 AAO LTE-FDD (OFDMA, 15 | | | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.76 | ±9.6 % |
| 10406 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000 5.22 ±9.6 % | 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A) | | | |
| 10410 | 10406 | AAR | CDMA2000 RC3 SC32 SCHO Full Pato | | | |
| Subframe=2,3,4,7,8,9, Subframe Conf=4) 10414 AAA WLAN CCDF, 64-QAM, 40MHz Generic 8.54 ± 9.6 % 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 ± 9.6 % 10416 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) Long preambule) WLAN 8.14 ± 9.6 % Short preambule) WLAN 8.19 ± 9.6 % Short preambule) WLAN 8.19 ± 9.6 % Short preambule) WLAN 8.32 ± 9.6 % WLAN 8.40 ± 9.6 % WLAN 8.41 ± 9.6 % WLAN 8.41 ± 9.6 % WLAN WLAN 8.42 ± 9.6 % WLAN WLAN 8.44 ± 9.6 % WLAN WLAN 8.40 ± 9.6 % WLAN WLAN 8.40 ± 9.6 % WLAN WLAN 8.40 ± 9.6 % WLAN WLAN 8.41 ± 9.6 % WLAN WLAN 8.41 ± 9.6 % WLAN WLAN WLAN 8.41 ± 9.6 % WLAN WLAN WLAN 8.41 ± 9.6 % WLAN | | | LTE TOD (CC FOMA 4 DD 40 MUL ODGK 111 | | | |
| 10414 AAA WLAN CCDF, 64-QAM, 40MHz Generic 8.54 ±9.6 % 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 ±9.6 % 10416 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ±9.6 % 10417 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ±9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14 ±9.6 % Long preambule) WLAN EEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.19 ±9.6 % Short preambule) WLAN 8.19 ±9.6 % WLAN Short preambule) WLAN 8.32 ±9.6 % WLAN 8.40 ±9.6 % WLAN 8.40 ±9.6 % WLAN 8.40 ±9.6 % WLAN 8.41 ±9.6 % WLAN 8.40 ±9.6 % WLAN 8.41 ±9.6 % WLAN & WLAN 8.41 ±9.6 % WLAN & WLAN | 10410 | AAI" | | LIE-TDD | 7.82 | ±9.6 % |
| 10415 | | | Subtrame=2,3,4,7,8,9, Subframe Conf=4) | | | |
| 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 ±9.6 % 10416 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ±9.6 % 10417 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ±9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 ±9.6 % 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 ±9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ±9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 ±9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, BPSK) WLAN 8.41 ±9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 72.0 Mbps, BPSK) WLAN 8.41 ±9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.41 ±9.6 % | 10414 | AAA | WLAN CCDF, 64-QAM, 40MHz | Generic | 8.54 | +96% |
| 10416 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 ± 9.6 % 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ± 9.6 % 10423 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.47 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % | 10415 | AAA | IEEE 802 11h WiEi 2 4 GHz (DSSS 1 Mbns 99nc duty cyclo) | | | |
| 10417 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) | | | IEEE 802 41a Miei 2 4 CH- (EDD OEDM C Mb 00 duty cycle) | | | |
| 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 ± 9.6 % 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ± 9.6 % 10423 AAB IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.41 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10432 | | | TEEL 002.119 WIFT 2.4 GHZ (ERP-OPDIVI, 6 Midps, 99pc duty cycle) | WLAN | 8.23 | |
| 10418 | | | IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) | WLAN | 8.23 | ± 9.6 % |
| Long preambule Long preambule Long preambule | 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle. | WLAN | 8.14 | |
| 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ± 9.6 % 10423 AAB IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 1 RB, | Ī | İ | Long preambule) | | | 0.0 ,0 |
| Short preambule | 10419 | AAA | | 10/1 0 01 | 9.40 | 1060/ |
| 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ± 9.6 % 10423 AAB IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10447 AAD LTE-FDD | 1 | ' ' ' ' | Short preambule) | AATUM | 0.19 | ± 5.0 % |
| 10423 AAB IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 1 RB, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE- | 40400 | A A D | | | | |
| 10423 AAB IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 ±9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 ±9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ±9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 ±9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ±9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ±9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ±9.6 % 10432 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ±9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ±9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ±9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ±9.6 % 10448 AAD LTE-F | | | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | ±9.6% |
| 10424 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL LTE-FDD 7.56 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD | | AAB | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | | | |
| 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.41 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL LTE-FDD 7.56 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD <td>10424</td> <td>AAB</td> <td>IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)</td> <td></td> <td></td> <td></td> | 10424 | AAB | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | | | |
| 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 % | | · | | | | |
| 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,34,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 % | | | | | | |
| 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 % | | | IEEE 002.11h (HT Greenfield, 90 Mbps, 16-QAM) | WLAN | 8.45 | ± 9.6 % |
| 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 % | | | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) | WLAN | 8,41 | |
| 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,34,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ± 9.6 % | 10430 | AAD | | | | |
| 10432 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ± 9.6 % | 10431 | | | | | |
| 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ± 9.6 % | | | | | | |
| 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ± 9.6 % | | | LIETOU (OFDIWA, 13 WITZ, E-TM 3.1) | | | ± 9.6 % |
| 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ± 9.6 % | | | | LTE-FDD | 8.34 | |
| 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ± 9.6 % | 10434 | AAA | | | | *************************************** |
| Subframe=2,3,4,7,8,9) LTE-FDD 7.56 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ± 9.6 % | | | | | | |
| 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ±9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.53 ±9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ±9.6 % 10450 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ±9.6 % | | " | | LICTION | 1.02 | π 9.0 % |
| 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ± 9.6 % | 10447 | A A In | | | | |
| 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ± 9.6 % | | | | LTE-FDD | 7.56 | ± 9.6 % |
| 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ± 9.6 % | 10448 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | | | |
| 10450 AAC LTE EDD (OFDMA COLUMN TO A COLUM | 10449 | AAC | | | | |
| 10.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100 | | | TE-EDD (OEDMA 20 MHz E TM 2.4 Olimping 440) | | | |
| | | 1010 | LILL DD (OF DIVIN, 20 WITE, E-TW 3.1, CHIPPING 44%) | LIE-FUU | 7.48 | ± 9.6 % |

EX3DV4-- SN:7410 July 16, 2019

| 10451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7.59 | ± 9.6 % |
|-------|--------------------------------------------------|-------------------------------------------------------------------|----------|---------------|------------|
| 10456 | AAB | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.63 | ± 9.6 % |
| 10457 | AAA | UMTS-FDD (DC-HSDPA) | WCDMA | 6.62 | ±9.6% |
| 10458 | AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | CDMA2000 | 6.55 | ±9.6% |
| 10459 | AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | CDMA2000 | 8.25 | ± 9.6 % |
| 10460 | AAA | UMTS-FDD (WCDMA, AMR) | WCDMA | 2.39 | ± 9.6 % |
| 10461 | AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL | LTE-TDD | 7.82 | ± 9.6 % |
| | | Subframe=2.3.4.7.8.9) | | | |
| 10462 | AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL | LTE-TDD | 8.30 | ±9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | |
| 10463 | AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL | LTE-TDD | 8.56 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | |
| 10464 | AAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL | LTE-TDD | 7.82 | ± 9.6 % |
| | | Subframe=2.3.4.7.8.9) | | | |
| 10465 | AAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL | LTE-TDD | 8.32 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | |
| 10466 | AAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL | LTE-TDD | 8.57 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | |
| 10467 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL | LTE-TDD | 7.82 | ±9.6% |
| | | Subframe=2,3,4,7,8,9) | | | |
| 10468 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL | LTE-TDD | 8.32 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | |
| 10469 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL | LTE-TDD | 8.56 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | 7.00 | |
| 10470 | AAE | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL | LTE-TDD | 7.82 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | |
| 10471 | AAE | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL | LTE-TDD | 8.32 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | 0.53 | . 0 0 0/ |
| 10472 | AAE | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL | LTE-TDD | 8.57 | ± 9.6 % |
| | <u> </u> | Subframe=2,3,4,7,8,9) | LTE TOD | 7.82 | 1069/ |
| 10473 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL | LTE-TDD | 7.82 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | LTC TOO | 8.32 | ± 9.6 % |
| 10474 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL | LTE-TDD | 0.32 | 1 9.0 % |
| 40475 | 0.05 | Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL | LTE-TDD | 8.57 | ± 9.6 % |
| 10475 | AAE | | | 0.57 | 3.0.0 |
| 10477 | AAF | Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL | LTE-TDD | 8.32 | ± 9.6 % |
| 10477 | AAF | Subframe=2,3,4,7,8,9) | | 0.02 | 20.070 |
| 10478 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL | LTE-TDD | 8.57 | ± 9.6 % |
| 10470 | ^^ | Subframe=2,3,4,7,8,9) | | 0.07 | |
| 10479 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL | LTE-TDD | 7.74 | ± 9.6 % |
| 10473 | 777 | Subframe=2,3,4,7,8,9) | | ''' ' | |
| 10480 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL | LTE-TDD | 8.18 | ± 9.6 % |
| 10400 | ' ' ' ' | Subframe=2,3,4,7,8,9) | | | **** |
| 10481 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL | LTE-TDD | 8.45 | ± 9.6 % |
| 10101 | 1,,,,,, | Subframe=2.3.4.7.8.9) | | | |
| 10482 | AAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL | LTE-TDD | 7.71 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | |
| 10483 | AAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL | LTE-TDD | 8.39 | ± 9.6 % |
| | - | Subframe=2.3.4.7.8.9) | | | |
| 10484 | AAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL | LTE-TDD | 8.47 | ± 9.6 % |
| | 1 | Subframe=2,3,4,7,8,9) | | | |
| 10485 | AAE | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL | LTE-TDD | 7.59 | ±9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | |
| 10486 | AAE | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL | LTE-TDD | 8.38 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | ļ <u>.</u> |
| 10487 | AAE | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL | LTE-TDD | 8.60 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | |
| 10488 | AAE | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL | LTE-TDD | 7.70 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | |
| 10489 | AAE | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL | LTE-TDD | 8.31 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | 1 |
| 10490 | AAE | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL | LTE-TDD | 8.54 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | | | 1000 |
| 10491 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL | LTE-TDD | 7.74 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | 1 | 1 | 1 |

| 10492 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.41 | ± 9.6 % |
|-------------------------|------------|-----------------------------------------------------------------------------------------------------|-----------|--------------|--------------------|
| 10493 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.55 | ± 9.6 % |
| 10494 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.74 | ± 9.6 % |
| 10495 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.37 | ± 9.6 % |
| 10496 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.54 | ± 9.6 % |
| 10497 | AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.67 | ± 9.6 % |
| 10498 | AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.40 | ± 9.6 % |
| 10499 | AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.68 | ± 9.6 % |
| 10500 | AAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.67 | ± 9.6 % |
| 10501 | AAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.44 | ± 9.6 % |
| 10502 | AAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.52 | ± 9.6 % |
| 10503 | AAE | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.72 | ± 9.6 % |
| 10504 | AAE | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.31 | ±9.6 % |
| 10505 | AAE | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.54 | ± 9.6 % |
| 10506 | AAE | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.74 | ± 9.6 % |
| 10507 | AAE | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.36 | ± 9.6 % |
| 10508 | AAE | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.55 | ± 9.6 % |
| 10509 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.99 | ± 9.6 % |
| 10510 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.49 | ± 9.6 % |
| 10511 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.51 | ±9.6 % |
| 10512 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.74 | ± 9.6 % |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.42 | ± 9.6 % |
| 10514 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.45 | ± 9.6 % |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) | WLAN | 1,58 | ± 9.6 % |
| 10516 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) | WLAN | 1.57 | ± 9.6 % |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) | WLAN | 1.58 | ± 9.6 % |
| 10518 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) | WLAN | 8.23 | ± 9.6 % |
| 10519 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) | WLAN | 8.39 | ±9.6 % |
| 10520 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) | WLAN | 8.12 | ± 9.6 % |
| 10521 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) | WLAN | 7.97 | ± 9.6 % |
| 10522 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) | WLAN | 8.45 | ±9.6 % |
| 10523 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) | WLAN | 8.08 | ± 9.6 % |
| 10524 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) | WLAN | 8.27 | ± 9.6 % |
| 10525 | AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) | WLAN | 8.36 | ± 9.6 % |
| 10526 | AAB | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) | WLAN | 8.42 | ± 9.6 % |
| 10527 | AAB | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) | WLAN | 8.21 | ± 9.6 % |
| | AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) | WLAN | 8.36 | ± 9.6 % |
| 10528 | | LIEFE DOD 44 MEE: (OOM) LANGO 4 OO 1 LL LL | | | |
| 10529 | AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) | WLAN | 8.36 | ± 9.6 % |
| 10529 10531 | AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) | WLAN WLAN | 8.36 8.43 | ± 9.6 % ± 9.6 % |
| 10529 10531 10532 | AAB AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) | | | ± 9.6 % |
| 10529 10531 | AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) | WLAN | 8.43 | |

EX3DV4- SN:7410 July 16, 2019

| 40505 | 1 4 4 12 | LIFTE OOD 44 WEE: (ADMIL) - MOOM OO d. t d. t. | IAU ANI | 0.45 | 1000/ |
|----------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------|--------------|--------------------|
| 10535 10536 | AAB AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle) | WLAN WLAN | 8.45 8.32 | ± 9.6 % ± 9.6 % |
| 10536 | AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle) | WLAN | 8.44 | ± 9.6 % |
| 10537 | AAB | IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle) | WLAN | 8.54 | ± 9.6 % |
| 10540 | AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle) | WLAN | 8.39 | ± 9.6 % |
| 10541 | AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle) | WLAN | 8.46 | ± 9.6 % |
| 10542 | AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle) | WLAN | 8.65 | ± 9.6 % |
| 10543 | AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle) | WLAN | 8.65 | ± 9.6 % |
| 10544 | AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle) | WLAN | 8.47 | ± 9.6 % |
| 10545 | AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle) | WLAN | 8.55 | ± 9.6 % |
| 10546 | AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle) | WLAN | 8.35 | ± 9.6 % |
| 10547 | AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle) | WLAN | 8,49 | ±9.6% |
| 10548 | AAB | IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle) | WLAN | 8.37 | ± 9.6 % |
| 10550 | AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle) | WLAN | 8.38 | ± 9.6 % |
| 10551 | AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle) | WLAN | 8.50 | ± 9.6 % |
| 10552 | AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle) | WLAN | 8.42 | ±9.6% |
| 10553 | AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle) | WLAN | 8.45 | ±9.6% |
| 10554 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle) | WLAN | 8.48 | ±9.6% |
| 10555 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle) | WLAN | 8.47 | ± 9.6 % |
| 10556 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle) | WLAN | 8.50 | ± 9.6 % |
| 10557 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) | WLAN | 8.52 | ± 9.6 % |
| 10558 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle) | WLAN | 8.61 | ±9.6 % |
| 10560 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle) | WLAN | 8.73 | ± 9.6 % |
| 10561 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle) | WLAN | 8.56 | ± 9.6 % |
| 10562 | AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle) | WLAN | 8.69 | ± 9.6 % |
| 10563 | AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle) | WLAN | 8.77 | ± 9.6 % |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty | WLAN | 8.25 | ± 9.6 % |
| | | cycle) | | | |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty | WLAN | 8.45 | ±9.6% |
| | | cycle) | | | |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty | WLAN | 8.13 | ±9.6 % |
| | | cycle) | | | |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty | WLAN | 8.00 | ± 9.6 % |
| | ļ | cycle) | | | 0.00 |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty | WLAN | 8.37 | ±9.6% |
| | | cycle) | 140 411 | 0.40 | 1000 |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty | WLAN | 8.10 | ± 9.6 % |
| 40570 | <u> </u> | cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty | WLAN | 8.30 | ± 9.6 % |
| 10570 | AAA | cycle) | VVLAIN | 0.30 | 19.0 % |
| 10571 | AAA | EEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) | WLAN | 1.99 | ±9.6 % |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) | WLAN | 1.99 | ± 9.6 % |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) | WLAN | 1.98 | ± 9.6 % |
| 10574 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) | WLAN | 1.98 | ± 9.6 % |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty | WLAN | 8.59 | ± 9.6 % |
| 10010 | 1,000 | cycle) | 777 | 5,55 | |
| 10576 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty | WLAN | 8.60 | ± 9.6 % |
| 100.0 | 1.00 | cycle) | | | [|
| 10577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty | WLAN | 8.70 | ±9.6% |
| | | cycle) | | | |
| 10578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty | WLAN | 8.49 | ± 9.6 % |
| | | cycle) | | | |
| 10579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty | WLAN | 8.36 | ±9.6% |
| | | cycle) | | | |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty | WLAN | 8.76 | ± 9.6 % |
| | | cycle) | | | |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty | WLAN | 8.35 | ± 9.6 % |
| | | cycle) | | | |
| 10582 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty | WLAN | 8.67 | ± 9.6 % |
| | <u> </u> | cycle) | 14 | | |
| 10583 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) | WLAN | 8.59 | ± 9.6 % |
| 10584 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) | WLAN | 8.60 | ± 9.6 % |
| 10585 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) | WLAN | 8.70 | ± 9.6 % |
| 10586 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) | WLAN | 8,49 | ±9.6 % |
| 10587 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) | WLAN | 8.36 | ± 9.6 % |

| 40500 | A A B | LIEFE COO AL ALMERIA OUL ACCESSA COMMISSION DE LA COMMISS | | | |
|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|---------|
| 10588 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) | WLAN | 8.76 | ± 9.6 % |
| 10589 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle) | WLAN | 8.35 | ± 9.6 % |
| 10590 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) | WLAN | 8.67 | ± 9.6 % |
| 10591 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle) | WLAN | 8.63 | ± 9.6 % |
| 10592 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle) | WLAN | 8.79 | ± 9.6 % |
| 10593 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle) | WLAN | 8.64 | ± 9.6 % |
| 10594 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) | | | |
| 10595 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) | WLAN | 8.74 | ± 9.6 % |
| 10596 | AAB | IEEE 902.1111 (HT Wixed, 20MHz, MOS4, 90pc duty cycle) | WLAN | 8.74 | ± 9.6 % |
| | · | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle) | WLAN | 8.71 | ± 9.6 % |
| 10597 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle) | WLAN | 8.72 | ± 9.6 % |
| 10598 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle) | WLAN | 8.50 | ± 9.6 % |
| 10599 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle) | WLAN | 8.79 | ±9.6 % |
| 10600 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle) | WLAN | 8.88 | ±9.6% |
| 10601 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) | WLAN | 8.82 | ± 9.6 % |
| 10602 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle) | WLAN | 8.94 | ± 9.6 % |
| 10603 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) | WLAN | 9.03 | ± 9.6 % |
| 10604 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle) | WLAN | 8.76 | ± 9.6 % |
| 10605 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) | WLAN | | |
| 10606 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) | | 8.97 | ± 9.6 % |
| 10607 | AAB | IEEE 802.111ac WiFi (20MHz, MCS0, 90pc duty cycle) | WLAN | 8.82 | ± 9.6 % |
| 10608 | AAB | | WLAN | 8.64 | ± 9.6 % |
| | | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle) | WLAN | 8.77 | ± 9.6 % |
| 10609 | AAB | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle) | WLAN | 8.57 | ± 9.6 % |
| 10610 | AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) | WLAN | 8.78 | ± 9.6 % |
| 10611 | AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle) | WLAN | 8.70 | ±9.6 % |
| 10612 | AAB | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) | WLAN | 8.77 | ±9.6 % |
| 10613 | AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle) | WLAN | 8.94 | ± 9.6 % |
| 10614 | AAB | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) | WLAN | 8.59 | ± 9.6 % |
| 10615 | AAB | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle) | WLAN | 8.82 | ± 9.6 % |
| 10616 | AAB | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle) | WLAN | 8.82 | ± 9.6 % |
| 10617 | AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle) | WLAN | 8.81 | ± 9.6 % |
| 10618 | AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) | WLAN | | |
| 10619 | AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) | | 8.58 | ± 9.6 % |
| 10620 | AAB | IEEE 902.11 rac WIFT (40MHz, MCC3, 90pc duty cycle) | WLAN | 8.86 | ± 9.6 % |
| | | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) | WLAN | 8.87 | ± 9.6 % |
| 10621 | AAB | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) | WLAN | 8.77 | ±9.6% |
| 10622 | AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) | WLAN | 8.68 | ± 9.6 % |
| 10623 | AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle) | WLAN | 8.82 | ± 9.6 % |
| 10624 | AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) | WLAN | 8.96 | ±9.6% |
| 10625 | AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) | WLAN | 8.96 | ±9.6% |
| 10626 | AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle) | WLAN | 8.83 | ± 9.6 % |
| 10627 | AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle) | WLAN | 8.88 | ± 9.6 % |
| 10628 | AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle) | WLAN | 8.71 | ± 9.6 % |
| 10629 | AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) | WLAN | 8.85 | ± 9.6 % |
| 10630 | AAB | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle) | WLAN | 8.72 | |
| 10631 | AAB | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) | WLAN | | ± 9.6 % |
| 10632 | AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) | | 8.81 | ± 9.6 % |
| 10632 | AAB | | WLAN | 8.74 | ± 9.6 % |
| 10633 | | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) | WLAN | 8.83 | ± 9.6 % |
| | AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle) | WLAN | 8.80 | ± 9.6 % |
| 10635 | AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) | WLAN | 8.81 | ± 9.6 % |
| 10636 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) | WLAN | 8.83 | ± 9.6 % |
| 10637 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) | WLAN | 8.79 | ± 9.6 % |
| 10638 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) | WLAN | 8.86 | ±9.6 % |
| 10639 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) | WLAN | 8.85 | ±9.6% |
| 10640 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) | WLAN | 8.98 | ± 9.6 % |
| 10641 | AAC | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) | WLAN | 9.06 | ± 9.6 % |
| 10642 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) | WLAN | 9.06 | |
| 10643 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) | WLAN | | ± 9.6 % |
| 10644 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) | | 8.89 | ± 9.6 % |
| 10645 | AAC | IEEE 802 11ac Will (100MHz, MCSO, 90pc duty cycle) | WLAN | 9.05 | ± 9.6 % |
| 10646 | | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) | WLAN | 9.11 | ± 9.6 % |
| | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10647 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10648 | AAA | CDMA2000 (1x Advanced) | CDMA2000 | 3.45 | ±9.6 % |
| 10652 | AAD | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.91 | ± 9.6 % |
| 10653 | AAD | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.42 | ± 9.6 % |
| 10654 | AAD | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.96 | ± 9.6 % |
| | | | • | | |

EX3DV4- SN:7410 July 16, 2019

| 40055 | | LTE TDD (OFDMA COMULT F TM 2.4 Clinging 449/) | LTE-TDD | 7.21 | ± 9.6 % |
|----------------|------------|-------------------------------------------------------------------------------------------|--------------|--------------|--------------------|
| 10655 10658 | AAE AAA | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) Pulse Waveform (200Hz, 10%) | Test | 10.00 | ± 9.6 % |
| 10659 | AAA | Pulse Waveform (200Hz, 70%) Pulse Waveform (200Hz, 20%) | Test | 6.99 | ± 9.6 % |
| 10660 | AAA | Pulse Waveform (200Hz, 40%) | Test | 3.98 | ± 9.6 % |
| 10661 | AAA | Pulse Waveform (200Hz, 60%) | Test | 2.22 | ± 9.6 % |
| 10662 | AAA | Pulse Waveform (200Hz, 80%) | Test | 0.97 | ± 9.6 % |
| 10670 | AAA | Bluetooth Low Energy | Bluetooth | 2.19 | ±9.6 % |
| 10670 | AAA | IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle) | WLAN | 9.09 | ± 9.6 % |
| 10671 | AAA | IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle) | WLAN | 8.57 | ± 9.6 % |
| 10672 | AAA | IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle) | WLAN | 8.78 | ± 9.6 % |
| 10673 | AAA | IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle) | WLAN | 8.74 | ± 9.6 % |
| 10675 | AAA | IEEE 802.11ax (20MHz, MCS3, 30pc duty cycle) | WLAN | 8.90 | ± 9.6 % |
| 10676 | AAA | IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle) | WLAN | 8.77 | ± 9.6 % |
| 10677 | AAA | IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle) | WLAN | 8.73 | ± 9.6 % |
| 10678 | AAA | IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle) | WLAN | 8.78 | ± 9.6 % |
| 10679 | AAA | IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle) | WLAN | 8.89 | ± 9.6 % |
| 10680 | AAA | IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle) | WLAN | 8.80 | ± 9.6 % |
| 10681 | AAA | IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle) | WLAN | 8.62 | ± 9.6 % |
| 10682 | AAA | IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle) | WLAN | 8.83 | ± 9.6 % |
| 10683 | AAA | IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle) | WLAN | 8.42 | ± 9.6 % |
| 10684 | AAA | IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle) | WLAN | 8.26 | ± 9.6 % |
| 10685 | AAA | IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle) | WLAN | 8.33 | ±9.6 % |
| 10686 | AAA | IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle) | WLAN | 8.28 | ± 9.6 % |
| 10687 | AAA | IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle) | WLAN | 8.45 | ± 9.6 % |
| 10688 | AAA | IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle) | WLAN | 8.29 | ± 9.6 % |
| 10689 | AAA | IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle) | WLAN | 8.55 | ± 9.6 % |
| 10690 | AAA | IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle) | WLAN | 8.29 | ± 9.6 % |
| 10691 | AAA | IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle) | WLAN | 8.25 | ±9.6% |
| 10692 | AAA | IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle) | WLAN | 8.29 | ± 9.6 % |
| 10693 | AAA | IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle) | WLAN | 8.25 | ± 9.6 % |
| 10694 | AAA | IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle) | WLAN | 8.57 | ±9.6% |
| 10695 | AAA | IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle) | WLAN | 8.78 | ±9.6 % |
| 10696 | AAA | IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle) | WLAN | 8.91 | ± 9.6 % |
| 10697 | AAA | IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle) | WLAN | 8.61 | ± 9.6 % |
| 10698 | AAA | IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle) | WLAN | 8.89 | ± 9.6 % |
| 10699 | AAA | IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle) | WLAN | 8.82 | ± 9.6 % |
| 10700 | AAA | IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle) | WLAN | 8.73 | ± 9.6 % |
| 10701 | AAA | IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle) | WLAN | 8.86 | ±9.6 % |
| 10702 | AAA | IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle) | WLAN | 8.70 | ± 9.6 % |
| 10703 | AAA | IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle) | WLAN | 8.82 | ± 9.6 % |
| 10704 | AAA | IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle) | WLAN | 8.56 | ± 9.6 % |
| 10705 | AAA | IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle) | WLAN | 8.69 | ± 9.6 % |
| 10706 | AAA | IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle) | WLAN | 8.66 | ± 9.6 % |
| 10707 | AAA | IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle) | WLAN | 8.32 | ± 9.6 % |
| 10708 | AAA | IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle) | WLAN | 8.55 | ± 9.6 % |
| 10709 | AAA | IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle) | WLAN | 8.33 | ± 9.6 % |
| 10710 | AAA | IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle) | WLAN | 8.29 | ±96% |
| 10711 | AAA | IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle) | WLAN | 8.39 | ± 9.6 % |
| 10712 | AAA | IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle) | WLAN | 8.67 | ± 9.6 % |
| 10713 | AAA | IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle) | WLAN | 8.33 | ± 9.6 % |
| 10714 | AAA | IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) | WLAN | 8.26 | ± 9.6 % |
| 10715 | AAA | IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle) | WLAN | 8.45 | ± 9.6 % |
| 10716 | AAA | IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle) | WLAN | 8.30 | ± 9.6 % |
| 10717 | AAA | IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) | WLAN | 8.48 | ± 9.6 % |
| 10718 | AAA | IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) | WLAN | 8.24 | ± 9.6 % |
| 10719 | AAA | IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle) | WLAN | 8.81 | ± 9.6 % |
| 10720 | AAA | IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) | WLAN | 8.87 | ± 9.6 % |
| 10721 | AAA | IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) | WLAN WLAN | 8.76 | ± 9.6 % |
| 10722 | AAA | IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle) | WLAN | 8.55 8.70 | ± 9.6 % ± 9.6 % |
| 10723 10724 | AAA | IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle) | WLAN | 8.90 | ± 9.6 % |
| 10724 | AAA | IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle) | WLAN | 8.74 | ± 9.6 % |
| 10725 | AAA | IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle) | WLAN | 8.72 | ± 9.6 % |
| 10727 | AAA | IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle) | WLAN | 8.66 | ± 9.6 % |
| 10121 | [4444 | ו ובעב טטב. דומא (סטואוו וב, ואוססט, סטוים מענץ טייסוים) | I ALTERIAL | 1 0.00 | _ = 0.0 /0 |

| | | 1 | | | |
|-------|-----|------------------------------------------------|------|------|---------|
| 10728 | AAA | IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle) | WLAN | 8.65 | ± 9.6 % |
| 10729 | AAA | IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle) | WLAN | 8.64 | ± 9.6 % |
| 10730 | AAA | IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle) | WLAN | 8.67 | ± 9.6 % |
| 10731 | AAA | IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle) | WLAN | 8.42 | ± 9.6 % |
| 10732 | AAA | IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle) | WLAN | 8.46 | ± 9.6 % |
| 10733 | AAA | IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle) | WLAN | 8.40 | ± 9.6 % |
| 10734 | AAA | IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle) | WLAN | 8.25 | ± 9.6 % |
| 10735 | AAA | IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle) | WLAN | 8.33 | ± 9.6 % |
| 10736 | AAA | IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle) | WLAN | 8.27 | ± 9.6 % |
| 10737 | AAA | IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle) | WLAN | 8.36 | ± 9.6 % |
| 10738 | AAA | IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle) | WLAN | 8.42 | ± 9.6 % |
| 10739 | AAA | IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle) | WLAN | 8.29 | ± 9.6 % |
| 10740 | AAA | IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle) | WLAN | 8.48 | ± 9.6 % |
| 10741 | AAA | IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle) | WLAN | 8.40 | ± 9.6 % |
| 10742 | AAA | IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle) | WLAN | 8.43 | ± 9.6 % |
| 10743 | AAA | IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle) | WLAN | 8.94 | ± 9.6 % |
| 10744 | AAA | IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle) | WLAN | 9.16 | ± 9.6 % |
| 10745 | AAA | IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle) | WLAN | 8.93 | ± 9.6 % |
| 10746 | AAA | IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle) | WLAN | 9.11 | ± 9.6 % |
| 10747 | AAA | IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle) | WLAN | 9.04 | ± 9.6 % |
| 10748 | AAA | IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle) | WLAN | 8.93 | ± 9.6 % |
| 10749 | AAA | IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle) | WLAN | 8.90 | ± 9.6 % |
| 10750 | AAA | IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle) | WLAN | 8.79 | ± 9.6 % |
| 10751 | AAA | IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle) | WLAN | 8.82 | ± 9.6 % |
| 10752 | AAA | IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle) | WLAN | 8.81 | ± 9.6 % |
| 10753 | AAA | IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle) | WLAN | 9.00 | ±9.6 % |
| 10754 | AAA | IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle) | WLAN | 8.94 | ± 9.6 % |
| 10755 | AAA | IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle) | WLAN | 8.64 | ± 9.6 % |
| 10756 | AAA | IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) | WLAN | 8.77 | ± 9.6 % |
| 10757 | AAA | IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) | WLAN | 8.77 | ±9.6 % |
| 10758 | AAA | IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) | WLAN | 8.69 | ± 9.6 % |
| 10759 | AAA | IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle) | WLAN | 8.58 | ± 9.6 % |
| 10760 | AAA | IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) | WLAN | 8.49 | ± 9.6 % |
| 10761 | AAA | IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) | WLAN | 8.58 | ± 9.6 % |
| 10762 | AAA | IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) | WLAN | 8.49 | ± 9.6 % |
| 10763 | AAA | IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle) | WLAN | 8.53 | ± 9.6 % |
| 10764 | AAA | IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) | WLAN | 8.54 | ± 9.6 % |
| 10765 | AAA | IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) | WLAN | 8.54 | ± 9.6 % |
| 10766 | AAA | IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle) | WLAN | 8.51 | ± 9.6 % |

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

Calibration Laboratory of Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

Client

PC Test

Certificate No: EX3-7570_Dec19/2

CALIBRATION CERTIFICATE (Replacement of No: EX3-7570_Dec19)

Object

EX3DV4 - SN:7570

Calibration procedure(s)

QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v7
Calibration procedure for dosimetric E-field probes

Calibration date:

December 11, 2019

BN/ 04/03/2020

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 | 03-Apr-19 (No. 217-02892/02893) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103244 | 03-Apr-19 (No. 217-02892) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103245 | 03-Apr-19 (No. 217-02893) | Apr-20 |
| Reference 20 dB Attenuator | SN: S5277 (20x) | 04-Apr-19 (No. 217-02894) | Apr-20 |
| DAE4 | SN: 660 | 07-Oct-19 (No. DAE4-660_Oct19) | Oct-20 |
| Reference Probe ES3DV2 | SN: 3013 | 31-Dec-18 (No. ES3-3013_Dec18) | Dec-19 |
| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB41293874 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-18) | In house check; Jun-20 |
| Network Analyzer E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-19) | In house check: Oct-20 |

Calibrated by:

Name
Function
Signature
Leif Klysner
Laboratory Technician

Approved by:

Katja Pokovic
Technical Manager

Issued: March 31, 2020

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

Calibration Laboratory of

Schmid & Partner

Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kalibrierdienst Service suisse d'étalonnage

Service suisse d etatorinage
Servizio svizzero di taratura
Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

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

ConvF sensitivity in TSL / NORMx,y,z

DCP diode compression point

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

Polarization φ σ 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., $\vartheta = 0$ 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, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016

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:

Certificate No: EX3-7570_Dec19/2

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).

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7570

Basic Calibration Parameters

EX3DV4 - SN:7570

| Basic Calibration 1 ara | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|--------------------------------------------|----------|----------|----------|-----------|
| Norm (μV/(V/m) ²) ^A | 0.55 | 0.61 | 0.65 | ± 10.1 % |
| DCP (mV) ^B | 100.0 | 99.9 | 102.2 | |

| UID | ion Results for Modulation Communication System Name | | A dB | B dB√μV | С | D dB | VR mV | Max dev. | Max Unc ^E (k=2) |
|--------|------------------------------------------------------|-----|---------|------------|-------|---------|----------|-------------|----------------------------------|
| 0 | cw | T X | 0.00 | 0.00 | 1.00 | 0.00 | 155.3 | ± 3.3 % | ± 4.7 % |
| U | | Y | 0.00 | 0.00 | 1.00 | | 155.6 | : | |
| | | Z | 0.00 | 0.00 | 1.00 | | 146.7 | | |
| 10352- | Pulse Waveform (200Hz, 10%) | X | 15.00 | 88.52 | 19.84 | 10.00 | 60.0 | ± 3.7 % | ± 9.6 % |
| AAA | , | Y | 15.00 | 87.53 | 19.55 | | 60.0 | | |
| | | Z | 15.00 | 89.05 | 20.77 | | 60.0 | | |
| 10353- | Pulse Waveform (200Hz, 20%) | X | 15.00 | 92.03 | 20.57 | 6.99 | 80.0 | ± 2.4 % | ±9.6 % |
| AAA | , , , , | Y | 15.00 | 89.15 | 19.09 | | 80.0 | | |
| | ļ | Z | 15.00 | 90.24 | 20.44 | | 80.0 | | |
| 10354- | Pulse Waveform (200Hz, 40%) | X | 15.00 | 98.97 | 22.59 | 3.98 | 95.0 | ± 1.2 % | ±9.6 % |
| AAA | , , , | Y | 15.00 | 90.18 | 17.98 | | 95.0 | | |
| | <u> </u> | Z | 15.00 | 93.72 | 20.87 | | 95.0 | | |
| 10355- | Pulse Waveform (200Hz, 60%) | X | 15.00 | 108.57 | 25.61 | 2.22 | 120.0 | ± 1.2 % | ± 9.6 % |
| AAA | , , , | Y | 15.00 | 87.55 | 15.24 | | 120.0 | | |
| | | Z | 15.00 | 99.27 | 22.20 | | 120.0 | | |
| 10387- | QPSK Waveform, 1 MHz | X | 0.49 | 60.00 | 6.71 | 0.00 | 150.0 | ± 2.9 % | ± 9.6 % |
| AAA | | Y | 0.54 | 60.00 | 6.92 | _ | 150.0 | | |
| | | Z | 0.78 | 62.97 | 10.11 | | 150.0 | | |
| 10388- | QPSK Waveform, 10 MHz | X | 2.24 | 69.18 | 16.39 | 0.00 | 150.0 | ± 1.1 % | ± 9.6 % |
| AAA | , | Y | 2.08 | 67.31 | 15.14 | | 150.0 | 1 | ļ |
| | | Z | 2.36 | 69.28 | 16.39 | | 150.0 | | 1 |
| 10396- | 64-QAM Waveform, 100 kHz | X | 2.72 | 70.63 | 18.97 | 3.01 | 150.0 | ± 0.7 % | ± 9.6 % |
| AAA | | Y | 2.64 | 68.42 | 17.78 | | 150.0 | 1 | |
| | | Z | 3.62 | 74.34 | 20.51 | | 150.0 | | |
| 10399- | 64-QAM Waveform, 40 MHz | X | 3.51 | 67.66 | 16.09 | 0.00 | 150.0 | ± 1.9 % | ± 9.6 % |
| AAA | | Y | 3.44 | 66.91 | 15.57 | _ | 150.0 | | |
| | | Z | 3.58 | 67.67 | 16.07 | | 150.0 | | |
| 10414- | WLAN CCDF, 64-QAM, 40MHz | X | 4.62 | 65.47 | 15.47 | 0.00 | 150.0 | ± 4.0 % | ± 9.6 % |
| AAA | , , , | Y | 4.82 | 65.73 | 15.57 | | 150.0 | | |
| · • | | Z | 4.91 | 65.94 | 15.70 | | 150.0 | | <u> </u> |

Note: For details on UID parameters see Appendix

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

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

B Numerical linearization parameter: uncertainty not required.

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7570

Sensor Model Parameters

EX3DV4-- SN:7570

| · | C1 fF | C2 fF | α V⁻¹ | T1 ms.V ⁻² | T2 ms.V ⁻¹ | T3 ms | T4 V⁻² | T5 V ⁻¹ | Т6 |
|---|----------|----------|----------|--------------------------|--------------------------|----------|-----------|-----------------------|------|
| X | 35.0 | 258.18 | 34.77 | 12.24 | 0.04 | 5.10 | 1.03 | 0.18 | 1.01 |
| Ŷ | 41.0 | 313.23 | 36.90 | 11.55 | 0.30 | 5.10 | 0.00 | 0.48 | 1.01 |
| Ż | 46.5 | 342.21 | 34.77 | 21.26 | 0.28 | 5.10 | 1.75 | 0.22 | 1.01 |

Other Probe Parameters

| Sensor Arrangement | Triangular |
|-----------------------------------------------|------------|
| Connector Angle (°) | 127.3 |
| 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 |

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7570

Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) ^C | Relative Permittivity ^F | Conductivity (S/m) F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k=2) |
|----------------------|---------------------------------------|----------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 750 | 41.9 | 0.89 | 10.16 | 10.16 | 10.16 | 0.54 | 0.80 | ± 12.0 % |
| 835 | 41.5 | 0.90 | 9.85 | 9.85 | 9.85 | 0.51 | 0.80 | ± 12.0 % |
| 1640 | 40.2 | 1.31 | 8.71 | 8.71 | 8.71 | 0.29 | 0.80 | ± 12.0 % |
| 1750 | 40.1 | 1.37 | 8.68 | 8.68 | 8.68 | 0.43 | 0.80 | ± 12.0 % |
| 1900 | 40.0 | 1.40 | 8,29 | 8.29 | 8.29 | 0.36 | 0.80 | ± 12.0 % |
| 2300 | 39.5 | 1.67 | 7.98 | 7.98 | 7.98 | 0.35 | 0.80 | ± 12.0 % |
| 2450 | 39.2 | 1.80 | 7.52 | 7.52 | 7.52 | 0.36 | 0.91 | ± 12.0 % |
| 2600 | 39.0 | 1.96 | 7.28 | 7.28 | 7.28 | 0.36 | 0.99 | ± 12.0 % |

^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

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 \pm 5%. The uncertainty is the RSS of

the ConvF uncertainty for indicated target tissue parameters.

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7570

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) |
|----------------------|---------------------------------------|----------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 750 | 55.5 | 0.96 | 10.26 | 10.26 | 10.26 | 0.50 | 0.84 | ± 12.0 % |
| 835 | 55.2 | 0.97 | 9.83 | 9.83 | 9.83 | 0.55 | 0.80 | ± 12.0 % |
| 1640 | 53.7 | 1.42 | 8.64 | 8.64 | 8.64 | 0.33 | 0.97 | ± 12.0 % |
| 1750 | 53,4 | 1.49 | 8.48 | 8.48 | 8.48 | 0.41 | 0.85 | ± 12.0 % |
| 1900 | 53.3 | 1.52 | 8.09 | 8.09 | 8.09 | 0.41 | 0.80 | ± 12.0 % |
| 2300 | 52.9 | 1.81 | 7.73 | 7.73 | 7.73 | 0.38 | 0.90 | ± 12.0 % |
| 2450 | 52.7 | 1.95 | 7.55 | 7.55 | 7.55 | 0.34 | 0.95 | ± 12.0 % |
| 2600 | 52.5 | 2.16 | 7.30 | 7.30 | 7.30 | 0.33 | 0.95 | ± 12.0 % |

^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

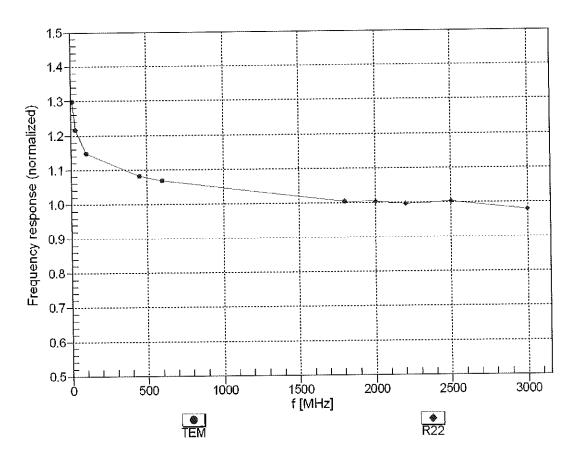
F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to

measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to \pm 5%. The uncertainty is the RSS of

the ConvF uncertainty for indicated target tissue parameters.

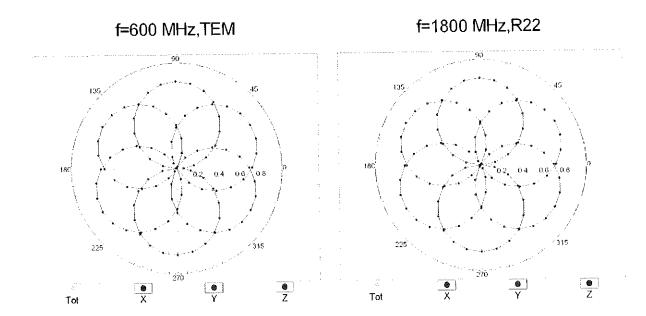
Galpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

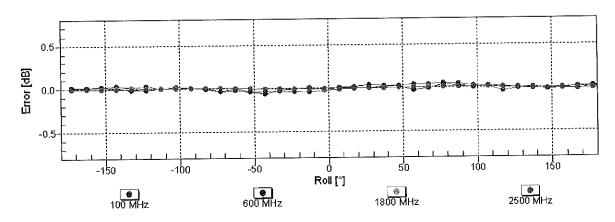
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

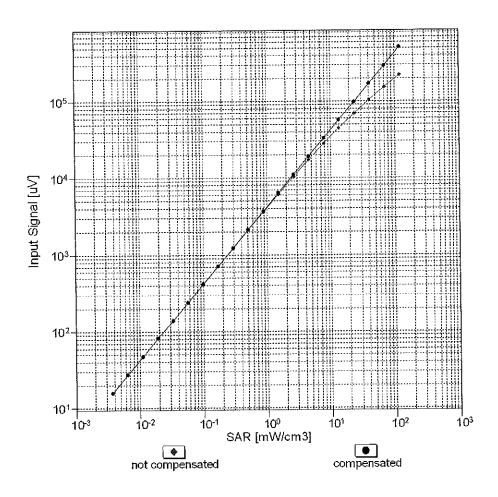
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

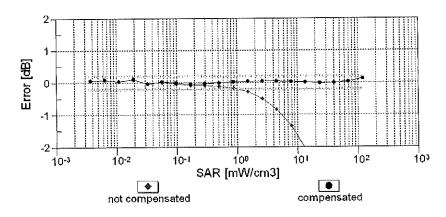




Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ (k=2)

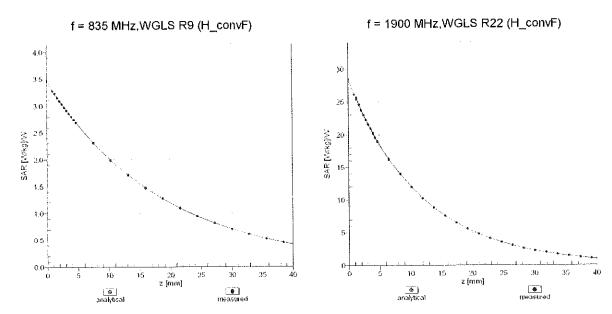
Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



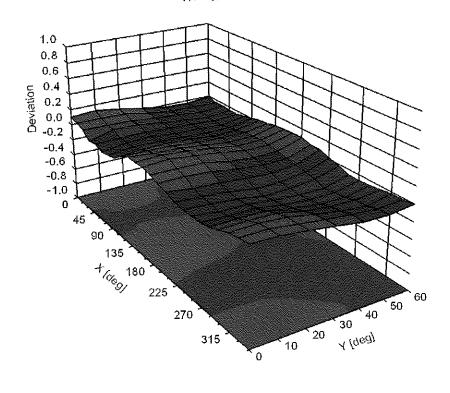


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



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



Appendix: Modulation Calibration Parameters

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^t (k=2) |
|-------|-----|-----------------------------------------------------|-----------|-------------|---------------------------|
| 0 | | CW | CW | 0.00 | ± 4.7 % |
| 10010 | CAA | SAR Validation (Square, 100ms, 10ms) | Test | 10.00 | ± 9.6 % |
| 10011 | CAB | UMTS-FDD (WCDMA) | WCDMA | 2.91 | ± 9.6 % |
| 10012 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) | WLAN | 1.87 | ± 9.6 % |
| 10012 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | WLAN | 9.46 | ± 9.6 % |
| 10010 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ±9.6 % |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | ± 9.6 % |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 6.56 | ± 9.6 % |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0) | GSM | 12.62 | ± 9.6 % |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9.55 | ±9.6 % |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | GSM | 4.80 | ± 9.6 % |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) | GSM | 3.55 | ± 9.6 % |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2) | GSM | 7.78 | ±9.6% |
| 10020 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1) | Bluetooth | 5.30 | ± 9.6 % |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3) | Bluetooth | 1.87 | ±9.6 % |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5) | Bluetooth | 1.16 | ± 9.6 % |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) | Bluetooth | 7.74 | ±9.6 % |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) | Bluetooth | 4.53 | ± 9.6 % |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5) | Bluetooth | 3.83 | ± 9.6 % |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1) | Bluetooth | 8.01 | ± 9.6 % |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Bluetooth | 4.77 | ± 9.6 % |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5) | Bluetooth | 4.10 | ± 9.6 % |
| 10039 | CAB | CDMA2000 (1xRTT, RC1) | CDMA2000 | 4.57 | ± 9.6 % |
| | | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS | 7.78 | ± 9.6 % |
| 10042 | CAB | IS-91/EIA/TIA-553 FDD (FDMA, FM) | AMPS | 0.00 | ± 9.6 % |
| 10044 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | DECT | 13.80 | ± 9.6 % |
| 10048 | CAA | | DECT | 10.79 | ± 9.6 % |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | TD-SCDMA | 11.01 | ± 9.6 % |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps) | GSM | 6.52 | ± 9.6 % |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | WLAN | 2.12 | ± 9.6 % |
| 10059 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) | WLAN | | ± 9.6 % |
| 10060 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) | | 2.83 | ± 9.6 % |
| 10061 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) | WLAN | 3.60 | |
| 10062 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) | WLAN | 8.68 | ± 9.6 % |
| 10063 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) | WLAN | 8.63 | ± 9.6 % |
| 10064 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) | WLAN | 9.09 | ± 9.6 % |
| 10065 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps) | WLAN | 9.00 | ± 9.6 % |
| 10066 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps) | WLAN | 9.38 | ± 9.6 % |
| 10067 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps) | WLAN | 10.12 | ± 9.6 % |
| 10068 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | ± 9.6 % |
| 10069 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) | WLAN | 10.56 | ± 9.6 % |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps) | WLAN | 9.83 | ± 9.6 % |
| 10072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.62 | ± 9.6 % |
| 10073 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | WLAN | 9.94 | ± 9.6 % |
| 10074 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | WLAN | 10.30 | ± 9.6 % |
| 10075 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | WLAN | 10.77 | ± 9.6 % |
| 10076 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | WLAN | 10.94 | ± 9.6 % |
| 10077 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | WLAN | 11.00 | ± 9.6 % |
| 10081 | CAB | CDMA2000 (1xRTT, RC3) | CDMA2000 | 3.97 | ± 9.6 % |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS | 4.77 | ± 9.6 % |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 6.56 | ± 9.6 % |
| 10097 | CAB | UMTS-FDD (HSDPA) | WCDMA | 3.98 | ± 9.6 % |
| 10098 | CAB | UMTS-FDD (HSUPA, Subtest 2) | WCDMA | 3.98 | ± 9.6 % |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | GSM | 9.55 | ± 9.6 % |
| 10100 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-FDD | 5.67 | ± 9.6 % |
| 10101 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 % |
| 10102 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
| 10103 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6 % |
| 10104 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.97 | ± 9.6 % |
| 10105 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.01 | ± 9.6 % |
| 10108 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-FDD | 5.80 | ± 9.6 9 |

| 10110 | ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10110 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10112 | ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % |
| 10113 | ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % |
| 10114 | ±9.6 % ±9.6 % |
| 10115 CAC IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) WLAN 8.46 10116 CAC IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) WLAN 8.15 10117 CAC IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) WLAN 8.07 10118 CAC IEEE 802.11n (HT Mixed, 13 Mbps, 16-QAM) WLAN 8.59 10119 CAC IEEE 802.11n (HT Mixed, 13 Mbps, 16-QAM) WLAN 8.59 10119 CAC IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) WLAN 8.13 10140 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-FDD 6.49 10141 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-FDD 6.53 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-FDD 5.73 10143 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-FDD 6.35 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-FDD 6.65 10145 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-FDD 6.65 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-FDD 6.41 10147 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-FDD 6.41 10149 CAE LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-FDD 6.42 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.60 10152 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.60 10153 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.43 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 64-QAM) LTE-FDD 6.43 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 64-QAM) LTE-FDD 6.60 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 64-QAM) LTE-FDD 6.62 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 64 | ± 9.6 % ± 9.6 % |
| 10116 | ±9.6 % ±9.6 % |
| 10117 | ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % |
| 10118 CAC IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) WLAN 8.59 10119 CAC IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) WLAN 8.13 10140 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-FDD 6.49 10141 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-FDD 6.53 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-FDD 5.73 10143 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, GFQAM) LTE-FDD 6.55 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, GFQAM) LTE-FDD 6.65 10145 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, GFQAM) LTE-FDD 5.76 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.41 10147 CAF LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 64-QAM) LTE-FDD 6.72 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.60 10150 CAE LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 9.28 | ±9.6 % ±9.6 % |
| 10119 CAC IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) WLAN 8.13 10140 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-FDD 6.49 10141 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-FDD 6.53 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-FDD 5.73 10143 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-FDD 6.35 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-FDD 6.65 10145 CAF LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-FDD 6.65 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-FDD 5.76 10147 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.41 10147 CAF LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.42 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-TDD 9.28 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-TDD 9.28 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-TDD 9.92 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-TDD 5.75 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, GPSK) LTE-FDD 5.75 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, GPSK) LTE-FDD 5.79 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, GPSK) LTE-FDD 5.79 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, GPSK) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, GPSK) LTE-FDD 5.79 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, GPSK) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, GPSK) LTE-FDD 6.43 10166 CAE LTE-FDD (SC-FDMA, 50% RB, 5 MHz, GPSK) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, GPSK) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK) LTE-FDD 6.56 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK) LTE-FDD 6.58 10166 | ±9.6 % ±9.6 % |
| 10140 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-FDD 6.49 10141 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-FDD 6.53 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-FDD 5.73 10143 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-FDD 6.35 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-FDD 5.76 10145 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-FDD 5.76 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, GPSK) LTE-FDD 5.76 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, GPSK) LTE-FDD 6.41 10147 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, GPSK) LTE-FDD 6.72 10149 CAE LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, GPAM) LTE-FDD 6.72 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-FDD 6.60 10151 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-FDD 9.92 <t< td=""><td>±9.6 % ±9.6 %</td></t<> | ±9.6 % ±9.6 % |
| 10141 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-FDD 6.53 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-FDD 5.73 10143 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-FDD 6.35 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-FDD 6.65 10145 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-FDD 5.76 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.41 10147 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-FDD 6.72 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-TDD 9.28 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-TDD 9.92 10153 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-FDD 5.75 | ±9.6 % ±9.6 % |
| 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-FDD 5.73 10143 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-FDD 6.35 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-FDD 6.65 10145 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-FDD 5.76 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.41 10147 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-FDD 6.72 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.28 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 10.05 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 10 MHz, G4-QAM) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 5.75 | ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % |
| 10143 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-FDD 6.35 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-FDD 6.65 10145 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-FDD 5.76 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.41 10147 CAF LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.72 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.42 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 9.28 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 9.92 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-TDD 10.05 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 5.79 | ± 9.6 % ± 9.6 % |
| 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-FDD 6.65 10145 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-FDD 5.76 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.41 10147 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-FDD 6.72 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-TDD 9.28 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.92 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 9.92 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK) LTE-FDD 5.75 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, GPSK) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, GPSK) LTE-FDD 5.79 | ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % |
| 10145 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-FDD 5.76 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.41 10147 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-FDD 6.72 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 9.28 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.92 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 10.05 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 5.79 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.62 | ± 9.6 % ± 9.6 % |
| 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.41 10147 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-FDD 6.72 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-TDD 9.28 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.92 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 10.05 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.49 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.56 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10147 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-FDD 6.72 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-TDD 9.28 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.92 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 10.05 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 6.43 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.56 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-TDD 9.28 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.92 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 10.05 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 6.43 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.49 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.43 10 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-TDD 9.28 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.92 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 10.05 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 6.43 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.49 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.43 10 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.60 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-TDD 9.28 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.92 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 10.05 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 6.43 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.49 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM) LTE-FDD 5.82 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 10 | ± 9.6 % ± 9.6 % ± 9.6 % |
| 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-TDD 9.28 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.92 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 10.05 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 6.43 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.49 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 5.82 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 101 | ± 9.6 % ± 9.6 % |
| 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.92 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 10.05 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 6.43 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.49 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK) LTE-FDD 5.82 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.46 1016 | ± 9.6 % |
| 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 10.05 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 6.43 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.49 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 5.82 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 6.58 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 5.46 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 | |
| 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 5.75 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 6.43 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.49 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 5.82 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.43 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.46 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 | ±9.6 % |
| 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 6.43 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.49 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 5.82 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.46 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 | |
| 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.79 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.49 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 5.82 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.46 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 | ± 9.6 % |
| 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.49 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 5.82 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.46 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 | ± 9.6 % |
| 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 5.82 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.46 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 | ±9.6 % |
| 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.56 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 5.82 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.46 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 | ± 9.6 % |
| 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 5.82 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.46 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 | ±9.6 % |
| 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.46 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 | ± 9.6 % |
| 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.46 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 | ± 9.6 % |
| 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.46 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 | ±9.6 % |
| 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 | ± 9.6 % |
| 10.01 | ± 9.6 % |
| 10168 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) LTE-FDD 6.79 | ±9.6% |
| 10169 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 5.73 | ±9.6 % |
| 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) LTE-FDD 6.52 | ± 9.6 % |
| 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.49 | ± 9.6 % |
| 10172 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-TDD 9.21 | ±9.6 % |
| 10172 070 272 100 (00 1 2017) 110 120 131 2 131 | ± 9.6 % |
| | ± 9.6 % |
| 10117 070 111 100 (00 101111) 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 | ± 9.6 % |
| 10170 0700 2727 250 (00 7 2777) 10 11112, 41 0177 | ± 9.6 % |
| | ± 9.6 % |
| (01) | ± 9.6 % |
| | ± 9.6 % |
| (0110 0,10 212100 (0012111), 1171 | ± 9.6 % |
| | ± 9.6 % |
| 10101 01111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 | ± 9.6 % |
| 10102 0112 2012 1114 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 | ±9.6% |
| 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 | ±9.6% |
| 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 | ± 9.6 % |
| 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 | ±9.6 % |
| 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 | ±9.6 % |
| 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 | ±9.6% |
| 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 | ± 9.6 % |
| 10193 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 | ±9.6% |
| 10194 CAC IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 | ± 9.6 % |
| 10195 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 | ±9.6 % |
| 10196 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 | ±9.6% |
| 10197 CAC IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 | 1 406% |
| 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 | ± 9.6 % |
| 10219 CAC IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 | ± 9.6 % ± 9.6 % |

| | | 1777 000 44 (17734) - 4 40 0 Mboo 46 OAM | WLAN | 8.13 | ± 9.6 % |
|-------------------------|------------|-----------------------------------------------------------------------------------|---------------------|---------------|--------------------|
| 10220 | CAC | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | WLAN | 8.27 | ± 9.6 % |
| 10221 | CAC | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) | WLAN | 8.06 | ± 9.6 % |
| 10222 | CAC | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) | WLAN | 8.48 | ± 9.6 % |
| 10223 | CAC | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) | WLAN | 8.08 | ± 9.6 % |
| 10224 | CAC | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | WCDMA | 5.97 | ± 9.6 % |
| 10225 | CAB | UMTS-FDD (HSPA+) | LTE-TDD | 9,49 | ± 9.6 % |
| 10226 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | | | ± 9.6 % |
| 10227 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.26 | ± 9.6 % |
| 10228 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TDD | 9.22 | |
| 10229 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10230 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10231 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-TDD | 9,19 | ± 9.6 % |
| 10232 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10233 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10234 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10235 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10236 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10237 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10237 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| | | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10239 | CAF CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10240 | | LTE-TDD (SC-FDMA, 178B, 10 MHz, 16-QAM) | LTE-TDD | 9.82 | ± 9.6 % |
| 10241 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 10-QAM) | LTE-TDD | 9,86 | ± 9.6 % |
| 10242 | CAB | LTE TOD (SC-PDIVIA, 50% RD, 1.4 WHZ, OPSK) | LTE-TDD | 9.46 | ± 9.6 % |
| 10243 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10244 | CAD | LIE-TOD (SC-FDMA, 50% RB, 3 MHZ, 10-QAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10245 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-TDD | 9.30 | ± 9.6 % |
| 10246 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-TDD | 9.91 | ± 9.6 % |
| 10247 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-TDD | 10.09 | ± 9.6 % |
| 10248 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-TDD | 9.29 | ± 9.6 % |
| 10249 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | | 9.81 | ± 9.6 % |
| 10250 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-TDD | | |
| 10251 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.17 | ± 9.6 % |
| 10252 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TDD | 9.24 | ± 9.6 % |
| 10253 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-TDD | 9.90 | ± 9.6 % |
| 10254 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.14 | ± 9.6 % |
| 10255 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-TDD | 9.20 | ± 9.6 % |
| 10256 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.96 | ± 9.6 % |
| 10257 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.08 | ± 9.6 % |
| 10258 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-TDD | 9,34 | ± 9.6 % |
| 10259 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-TDD | 9.98 | ± 9.6 % |
| 10260 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-TDD | 9.97 | ± 9.6 % |
| 10261 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-TDD | 9.24 | ± 9.6 % |
| 10262 | CAG | | LTE-TDD | 9.83 | ± 9.6 % |
| 10263 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.16 | ± 9.6 % |
| | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-TDD | 9.23 | ± 9.6 % |
| 10264 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.92 | ± 9.6 % |
| 10265 | | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.07 | ± 9.6 % |
| 10266 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 04-QAM) | LTE-TDD | 9.30 | ± 9.6 % |
| 10267 | CAG | LTE TDD (SC-PDMA, 100% RD, 16 MHz, 16 OAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10268 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-TDD | 10.13 | ± 9.6 % |
| 10269 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | | 9.58 | ± 9.6 % |
| 10270 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | WCDMA | 4.87 | ± 9.6 % |
| 10274 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) | WCDMA | 3.96 | ± 9.6 % |
| 10275 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | | | |
| 10277 | CAA | PHS (QPSK) | PHS | 11.81 | ±9.6% |
| 10278 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5) | PHS | 11.81 | ± 9.6 % |
| 10279 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38) | PHS | 12.18 | ± 9.6 % |
| 10290 | AAB | CDMA2000, RC1, SO55, Full Rate | CDMA2000 | 3.91 | ±9.6 % |
| | AAB | CDMA2000, RC3, SO55, Full Rate | CDMA2000 | 3.46 | ± 9.6 % |
| 10291 | AAB | CDMA2000, RC3, SO32, Full Rate | CDMA2000 | 3.39 | ± 9.6 % |
| | | CDMA2000, RC3, SO3, Full Rate | CDMA2000 | 3.50 | ± 9.6 % |
| 10292 | | CDMA2000, RC3, SO3, Full Nate | | | |
| 10292 10293 | AAB | | CDMA2000 | 12.49 | ± 9.6 % |
| 10292 10293 10295 | AAB AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | CDMA2000 LTE-FDD | 12.49 5.81 | ± 9.6 % ± 9.6 % |
| 10292 10293 | AAB | | | | |

| | | | Lugg EDD | 1 000 1 | . 0 0 0/ 1 |
|----------------|-----|------------------------------------------------------------|----------|---------|--------------------|
| 10300 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
| 10301 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC) | WiMAX | 12.03 | ± 9.6 % |
| 10302 | AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL) | WiMAX | 12.57 | ± 9.6 % |
| 10303 | AAA | IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC) | WIMAX | 12.52 | ± 9.6 % |
| 10304 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) | WIMAX | 11.86 | ± 9.6 % |
| 10305 | AAA | IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC) | WIMAX | 15.24 | ± 9.6 % |
| 10306 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC) | WIMAX | 14.67 | ± 9.6 % |
| 10307 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC) | WiMAX | 14.49 | ± 9.6 % |
| 10308 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) | WiMAX | 14.46 | ± 9.6 % |
| 10309 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3) | WIMAX | 14.58 | ± 9.6 % |
| 10310 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3 | WIMAX | 14.57 | ± 9.6 % |
| 10311 | AAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-FDD | 6.06 | ±9.6% |
| 10313 | AAA | IDEN 1:3 | IDEN | 10.51 | ± 9.6 % |
| 10314 | AAA | IDEN 1:6 | iden | 13.48 | ± 9.6 % |
| 10315 | AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc) | WLAN | 1.71 | ± 9.6 % |
| 10316 | AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ±9.6% |
| 10317 | AAC | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ±9.6% |
| 10317 | AAA | Pulse Waveform (200Hz, 10%) | Generic | 10.00 | ± 9.6 % |
| 10353 | AAA | Pulse Waveform (200Hz, 20%) | Generic | 6.99 | ± 9.6 % |
| 10353 | AAA | Pulse Waveform (200Hz, 40%) | Generic | 3.98 | ± 9.6 % |
| 10354 | AAA | Pulse Waveform (200Hz, 60%) | Generic | 2.22 | ± 9.6 % |
| 10355 | AAA | Pulse Waveform (200Hz, 80%) | Generic | 0.97 | ± 9.6 % |
| | | QPSK Waveform, 1 MHz | Generic | 5.10 | ± 9.6 % |
| 10387 | AAA | | Generic | 5.22 | ± 9.6 % |
| 10388 | AAA | QPSK Waveform, 10 MHz | Generic | 6.27 | ± 9.6 % |
| 10396 | AAA | 64-QAM Waveform, 100 kHz | | | |
| 10399 | AAA | 64-QAM Waveform, 40 MHz | Generic | 6.27 | ± 9.6 % |
| 10400 | AAD | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 10401 | AAD | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10402 | AAD | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc) | WLAN | 8.53 | ± 9.6 % |
| 10403 | AAB | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.76 | ±9.6 % |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A) | CDMA2000 | 3.77 | ± 9.6 % |
| 10406 | AAB | CDMA2000, RC3, SO32, SCH0, Full Rate | CDMA2000 | 5.22 | ± 9.6 % |
| 10410 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9) | LTE-TDD | 7.82 | ± 9.6 % |
| 10414 | AAA | WLAN CCDF, 64-QAM, 40MHz | Generic | 8.54 | ± 9.6 % |
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc) | WLAN | 1.54 | ± 9.6 % |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ±9.6% |
| 10417 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 % |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long) | WLAN | 8.14 | ± 9.6 % |
| 10419 | AAA | IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) | WLAN | 8.19 | ± 9.6 % |
| 10422 | AAB | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | ± 9.6 % |
| 10423 | AAB | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | WLAN | 8.47 | ±9.6% |
| 10424 | AAB | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | WLAN | 8.40 | ± 9.6 % |
| 10425 | AAB | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | WLAN | 8.41 | ± 9.6 % |
| 10426 | AAB | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) | WLAN | 8.45 | ± 9.6 % |
| 10427 | AAB | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) | WLAN | 8.41 | ±9.6 % |
| 10430 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | LTE-FDD | 8.28 | ± 9.6 % |
| 10430 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | LTE-FDD | 8.38 | ± 9.6 % |
| 10431 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ± 9.6 % |
| 10432 | AAC | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ± 9.6 % |
| | | W-CDMA (BS Test Model 1, 64 DPCH) | WCDMA | 8.60 | ± 9.6 % |
| 10434 | AAA | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10435 | AAF | | LTE-FDD | | |
| 10447 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | | 7.56 | ±9.6% |
| 10448 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | LTE-FDD | 7.53 | ± 9.6 % |
| 10449 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | LTE-FDD | 7.51 | ± 9.6 % ± 9.6 % |
| 10450 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.48 | <u>-j</u> |
| 10451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7.59 | ± 9.6 % |
| 10453 | AAD | Validation (Square, 10ms, 1ms) | Test | 10.00 | ± 9.6 % |
| 10456 | AAB | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) | WLAN | 8.63 | ± 9.6 % |
| 10457 | AAA | UMTS-FDD (DC-HSDPA) | WCDMA | 6.62 | ±9.6 % |
| | AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | CDMA2000 | 6.55 | ±9.6 % |
| 10458 | | | | 8.25 | ± 9.6 % |
| 10458 10459 | AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | CDMA2000 | | |
| 10458 | | UMTS-FDD (WCDMA, AMR) | WCDMA | 2.39 | ± 9.6 % |
| 10458 10459 | AAA | | | | |

| | | LITE TOP (OO EDIA) 4 DP 4 4 NEE C4 OAM III Cub) | LTE-TDD | 8.56 | ± 9.6 % |
|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|---------|
| 10463 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub) | | | ± 9.6 % |
| 10464 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10465 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | |
| 10466 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10467 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10468 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10469 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ± 9.6 % |
| 10470 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10471 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10472 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10473 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10474 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10475 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10477 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10478 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10479 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10480 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.18 | ± 9.6 % |
| 10481 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ± 9.6 % |
| 10482 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.71 | ± 9.6 % |
| 10483 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub) | LTE-TOD | 8.39 | ± 9.6 % |
| 10484 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.47 | ± 9.6 % |
| 10485 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.59 | ± 9.6 % |
| 10486 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.38 | ± 9.6 % |
| 10487 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.60 | ±9.6 % |
| 10488 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.70 | ±9.6 % |
| 10489 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ± 9.6 % |
| 10469 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10491 | | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, Qr GK, GE Gub) | LTE-TDD | 8.41 | ± 9.6 % |
| 10492 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ± 9.6 % |
| 10493 | AAE | LTE-TDD (SC-FDMA, 50% RB, 13 MHz, 64-QAW, 6E 38b) | LTE-TDD | 7.74 | ± 9.6 % |
| 10494 | AAF | | LTE-TDD | 8.37 | ± 9.6 % |
| 10495 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| 10496 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 7.67 | ± 9.6 % |
| 10497 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub) | | 8.40 | ± 9.6 % |
| 10498 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.68 | ± 9.6 % |
| 10499 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | | ±9.6 % |
| 10500 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | |
| 10501 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.44 | ± 9.6 % |
| 10502 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.52 | ± 9.6 % |
| 10503 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.72 | ± 9.6 % |
| 10504 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ± 9.6 % |
| 10505 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| 10506 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10507 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.36 | ± 9.6 % |
| 10508 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ± 9.6 % |
| 10509 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.99 | ±9.6 % |
| 10510 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.49 | ± 9.6 % |
| 10511 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.51 | ± 9.6 % |
| 10512 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.42 | ± 9.6 % |
| 10514 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ± 9.6 % |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc) | WLAN | 1.58 | ± 9.6 % |
| 10516 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) | WLAN | 1.57 | ±9.6 % |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc) | WLAN | 1.58 | ± 9.6 % |
| 10518 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 % |
| 10519 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc) | WLAN | 8.39 | ±9.6% |
| 10520 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc) | WLAN | 8.12 | ± 9.6 % |
| 10521 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc) | WLAN | 7.97 | ± 9.6 % |
| 10522 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10523 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc) | WLAN | 8.08 | ± 9.6 % |
| 10523 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) | WLAN | 8.27 | ± 9.6 % |
| 10524 | AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10525 | AAB | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10520 | AAB | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc) | WLAN | 8.21 | ± 9.6 % |
| 10021 | 1 ~~~ | The Contract of the Contract o | | , -: | |

| 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) WLAN 8.36 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) WLAN 8.36 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc) WLAN 8.43 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc) WLAN 8.29 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc) WLAN 8.36 10534 AAB IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc) WLAN 8.45 10535 AAB IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.45 10536 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) WLAN 8.32 10537 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.54 10540 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.39 10541 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) WLAN 8.46 10542 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10543 AAB | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc) WLAN 8.43 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc) WLAN 8.29 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc) WLAN 8.38 10534 AAB IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc) WLAN 8.45 10535 AAB IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.45 10536 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) WLAN 8.32 10537 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) WLAN 8.44 10538 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.54 10540 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) WLAN 8.39 10541 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) WLAN 8.65 10543 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc) WLAN 8.65 10545 AAB | ± 9.6 % ± 9.6 % |
| 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc) WLAN 8.29 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc) WLAN 8.38 10534 AAB IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc) WLAN 8.45 10535 AAB IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.45 10536 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc) WLAN 8.32 10537 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) WLAN 8.44 10538 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.54 10540 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) WLAN 8.39 10541 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) WLAN 8.46 10542 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10543 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc) WLAN 8.65 10545 AAB | ± 9.6 % ± 9.6 % |
| 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc) WLAN 8.38 10534 AAB IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc) WLAN 8.45 10535 AAB IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.45 10536 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc) WLAN 8.32 10537 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) WLAN 8.44 10538 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.54 10540 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) WLAN 8.39 10541 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) WLAN 8.46 10542 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10543 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.65 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.65 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.65 | ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % |
| 10534 AAB IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc) WLAN 8.45 10535 AAB IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.45 10536 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc) WLAN 8.32 10537 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) WLAN 8.44 10538 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.54 10540 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) WLAN 8.39 10541 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) WLAN 8.46 10542 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) WLAN 8.65 10543 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.65 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) WLAN 8.55 | ± 9.6 % ± 9.6 % |
| 10535 AAB IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.45 10536 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc) WLAN 8.32 10537 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) WLAN 8.44 10538 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.54 10540 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) WLAN 8.39 10541 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) WLAN 8.46 10542 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) WLAN 8.65 10543 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.47 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) WLAN 8.55 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10536 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc) WLAN 8.32 10537 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) WLAN 8.44 10538 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.54 10540 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) WLAN 8.39 10541 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) WLAN 8.46 10542 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) WLAN 8.65 10543 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.47 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) WLAN 8.55 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10537 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) WLAN 8.44 10538 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.54 10540 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) WLAN 8.39 10541 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) WLAN 8.46 10542 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) WLAN 8.65 10543 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.47 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) WLAN 8.55 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10537 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.54 10540 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) WLAN 8.39 10541 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) WLAN 8.46 10542 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) WLAN 8.65 10543 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.47 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) WLAN 8.55 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10540 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) WLAN 8.39 10541 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) WLAN 8.46 10542 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) WLAN 8.65 10543 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.47 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) WLAN 8.55 | ± 9.6 % ± 9.6 % ± 9.6 % |
| 10541 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) WLAN 8.46 10542 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) WLAN 8.65 10543 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.47 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) WLAN 8.55 | ± 9.6 % ± 9.6 % |
| 10542 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) WLAN 8.65 10543 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.47 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) WLAN 8.55 | ± 9.6 % |
| 10542 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) WLAN 8.65 10543 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) WLAN 8.65 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.47 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) WLAN 8.55 | |
| 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.47 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) WLAN 8.55 | <u>± 9.6 %</u> |
| 10544 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) WLAN 8.47 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) WLAN 8.55 | |
| 10545 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) WLAN 8.55 | ± 9.6 % |
| | ± 9.6 % |
| 10546 AAB IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc) WLAN 8.35 | ± 9.6 % |
| 10547 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc) WLAN 8.49 | ± 9.6 % |
| 10548 AAB IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc) WLAN 8.37 | ± 9.6 % |
| 10550 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc) WLAN 8.38 | ± 9.6 % |
| 10551 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc) WLAN 8.50 | ± 9.6 % |
| 10552 AAB IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc) WLAN 8.42 | ± 9.6 % |
| 10553 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc) WLAN 8.45 | ± 9.6 % |
| (0000 70 1222 002: 11d0 11.1. (000min) | ± 9.6 % |
| | ± 9.6 % |
| 78.00 | |
| 10000 | ± 9.6 % |
| 10001 1.000 11.22 0027.100 77.1.1.1.100 | ± 9.6 % |
| 10000 7000 1222 GOZITTAG VVII (10011112) 11100 13 GOPE TO | |
| 10560 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc) WLAN 8.73 | |
| 10561 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc) WLAN 8.56 | |
| 10562 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc) WLAN 8.69 | ± 9.6 % |
| 10563 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc) WLAN 8.77 | ± 9.6 % |
| 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) WLAN 8.25 | |
| 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.45 | |
| 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) WLAN 8.13 | |
| 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) WLAN 8.00 | |
| 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) WLAN 8.37 | |
| 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.10 | |
| 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) WLAN 8.30 | |
| 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 1.99 | |
| 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) WLAN 1.99 | |
| 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 | |
| 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc) WLAN 1.98 | ± 9.6 % |
| 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 8.59 | ± 9.6 % |
| 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) WLAN 8.60 | |
| 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 | |
| 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) WLAN 8.49 | |
| 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) WLAN 8.36 | ± 9.6 % |
| 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.76 | ± 9.6 % |
| 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.35 | |
| 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 | |
| 10583 AAB IEEE 802.11a/h WIFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.59 | |
| 10584 AAB IEEE 802.11a/h WIFi 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 | |
| 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.70 | |
| 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.49 | |
| 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 16 Mbps, 30pc dc) WLAN 8.36 | |
| 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OF DM, 24 Mbps, 30pc dc) WLAN 8.76 | |
| | |
| 10000 1.0 1.1.1.1.1.1.1.1.1.1.1.1.1 | |
| | |
| | |
| 10592 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc) WLAN 8.79 | |
| 10593 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc) WLAN 8.64 | |
| 10594 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc) WLAN 8.74 | |
| 10595 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc) WLAN 8.74 | ± 9,6 % |

| | | | 1 12 (1 1 1 1 1 | 0.74 | 1000 |
|-------|------------|--------------------------------------------------------|-------------------|-------|--------------------|
| 10596 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc) | WLAN | 8.71 | ± 9.6 % |
| 10597 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) | WLAN | 8.72 | ± 9.6 % |
| 10598 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc) | WLAN | 8.50 | ± 9.6 % |
| 10599 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10600 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc) | WLAN | 8.88 | ± 9.6 % |
| 10601 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10602 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10603 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc) | WLAN | 9.03 | ± 9.6 % |
| 10604 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10605 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc) | WLAN | 8.97 | ± 9.6 % |
| 10606 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10607 | AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc) | WLAN | 8.64 | ± 9.6 % |
| | AAB | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10608 | | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc) | WLAN | 8.57 | ± 9.6 % |
| 10609 | AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10610 | AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10611 | AAB | IEEE 802.11ac WiFi (20MHz, WCS4, 30pc do) | WLAN | 8.77 | ± 9.6 % |
| 10612 | AAB | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10613 | AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc) | WLAN | 8.59 | ± 9.6 % |
| 10614 | AAB | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc) | | 8.82 | ± 9.6 % |
| 10615 | AAB | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc) | WLAN WLAN | 8.82 | ± 9.6 % |
| 10616 | AAB | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc) | | 8.81 | ± 9.6 % |
| 10617 | AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc) | WLAN | | |
| 10618 | AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc) | WLAN | 8,58 | ±9.6 % |
| 10619 | AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc) | WLAN | 8.86 | ± 9.6 % |
| 10620 | AAB | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc) | WLAN | 8.87 | ± 9.6 % |
| 10621 | AAB | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10622 | AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc) | WLAN | 8.68 | ±9.6 % |
| 10623 | AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10624 | AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc) | WLAN | 8.96 | ± 9.6 % |
| 10625 | AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc) | WLAN | 8.96 | ±9.6% |
| 10626 | AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10627 | AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc) | WLAN | 8.88 | ±9.6 % |
| 10628 | AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc) | WLAN | 8.71 | ± 9.6 % |
| 10629 | AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc) | WLAN | 8.85 | ± 9.6 % |
| 10630 | AAB | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc) | WLAN | 8.72 | ± 9.6 % |
| 10631 | AAB | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10632 | AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | ±9.6% |
| 10632 | AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc) | WLAN | 8.83 | ±9.6 % |
| | AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc) | WLAN | 8.80 | ± 9.6 % |
| 10634 | AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc) | WLAN | 8.81 | ±9.6 % |
| 10635 | | IEEE 802.11ac WIFI (80MHz, MCS9, 90pc dc) | WLAN | 8.83 | ±9.6 % |
| 10636 | AAC | | WLAN | 8.79 | ± 9.6 % |
| 10637 | AAC | IEEE 802.11ac WIFI (160MHz, MCS1, 90pc dc) | WLAN | 8.86 | ± 9.6 % |
| 10638 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc) | WLAN | 8.85 | ± 9.6 % |
| 10639 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc) | WLAN | 8.98 | ± 9.6 % |
| 10640 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc) | WLAN | 9.06 | ± 9.6 % |
| 10641 | AAC | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc) | | 9.06 | ± 9.6 % |
| 10642 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc) | WLAN | | |
| 10643 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc) | WLAN | 8.89 | ± 9.6 % ± 9.6 % |
| 10644 | AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc) | WLAN | 9.05 | |
| 10645 | AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) | WLAN | 9.11 | ± 9.6 % |
| 10646 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10647 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10648 | AAA | CDMA2000 (1x Advanced) | CDMA2000 | 3.45 | ± 9.6 % |
| 10652 | AAE | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.91 | ± 9.6 % |
| 10653 | AAE | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.42 | ± 9.6 % |
| 10654 | AAD | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.96 | ± 9.6 % |
| 10655 | AAE | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.21 | ± 9.6 % |
| 10658 | AAA | Pulse Waveform (200Hz, 10%) | Test | 10.00 | ± 9.6 % |
| 10659 | AAA | Pulse Waveform (200Hz, 20%) | Test | 6.99 | ± 9.6 % |
| 10660 | AAA | Pulse Waveform (200Hz, 40%) | Test | 3.98 | ± 9.6 % |
| | | Pulse Waveform (200Hz, 60%) | Test | 2.22 | ± 9.6 % |
| | HAAA | , , 4,00 . , 4, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10 | | | 1060/ |
| 10661 | AAA | | Test | 0.97 | ± 9.6 % |
| | AAA AAA | Pulse Waveform (200Hz, 80%) Bluetooth Low Energy | Test Bluetooth | 2.19 | ± 9.6 % |

| 40070 | | | NAU ANI | 0.57 | 106 % I |
|----------------|-----|---------------------------------------------|----------------------|----------------------|-------------------------------|
| 10672 | AAA | IEEE 802.11ax (20MHz, MCS1, 90pc dc) | WLAN | 8.57 | ± 9.6 % ± 9.6 % |
| 10673 | AAA | IEEE 802.11ax (20MHz, MCS2, 90pc dc) | WLAN | 8.78 | |
| 10674 | AAA | IEEE 802.11ax (20MHz, MCS3, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10675 | AAA | IEEE 802.11ax (20MHz, MCS4, 90pc dc) | WLAN | 8.90 | ± 9.6 % |
| 10676 | AAA | IEEE 802.11ax (20MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10677 | AAA | IEEE 802.11ax (20MHz, MCS6, 90pc dc) | WLAN | 8.73 | ± 9.6 % |
| 10678 | AAA | IEEE 802.11ax (20MHz, MCS7, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10679 | AAA | IEEE 802.11ax (20MHz, MCS8, 90pc dc) | WLAN | 8,89 | ± 9.6 % |
| 10680 | AAA | IEEE 802.11ax (20MHz, MCS9, 90pc dc) | WLAN | 8.80 | ± 9.6 % |
| 10681 | AAA | IEEE 802.11ax (20MHz, MCS10, 90pc dc) | WLAN | 8.62 | ± 9.6 % |
| | AAA | IEEE 802.11ax (20MHz, MCS11, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10682 | | IEEE 802.11ax (20MHz, MCS0, 99pc dc) | WLAN | 8.42 | ±9.6% |
| 10683 | AAA | 1EEE 802.11ax (20MHz, MCS1, 99pc dc) | WLAN | 8.26 | ± 9.6 % |
| 10684 | AAA | | WLAN | 8.33 | ±9.6% |
| 10685 | AAA | IEEE 802.11ax (20MHz, MCS2, 99pc dc) | WLAN | 8,28 | ± 9.6 % |
| 10686 | AAA | IEEE 802.11ax (20MHz, MCS3, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10687 | AAA | IEEE 802.11ax (20MHz, MCS4, 99pc dc) | | | ± 9.6 % |
| 10688 | AAA | IEEE 802.11ax (20MHz, MCS5, 99pc dc) | WLAN | 8.29 | |
| 10689 | AAA | IEEE 802.11ax (20MHz, MCS6, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10690 | AAA | IEEE 802.11ax (20MHz, MCS7, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10691 | AAA | IEEE 802.11ax (20MHz, MCS8, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10692 | AAA | IEEE 802.11ax (20MHz, MCS9, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10693 | AAA | IEEE 802.11ax (20MHz, MCS10, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10694 | AAA | IEEE 802.11ax (20MHz, MCS11, 99pc dc) | WLAN | 8.57 | ±9.6% |
| 10694 | AAA | IEEE 802.11ax (40MHz, MCS0, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| | | IEEE 802.11ax (40MHz, MCS1, 90pc dc) | WLAN | 8.91 | ± 9.6 % |
| 10696 | AAA | IEEE 802.11ax (40MHz, MCS2, 90pc dc) | WLAN | 8.61 | ± 9.6 % |
| 10697 | AAA | | WLAN | 8.89 | ± 9.6 % |
| 10698 | AAA | IEEE 802.11ax (40MHz, MCS3, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10699 | AAA | IEEE 802.11ax (40MHz, MCS4, 90pc dc) | WLAN | 8.73 | ±9.6 % |
| 10700 | AAA | IEEE 802.11ax (40MHz, MCS5, 90pc dc) | WLAN | 8,86 | ± 9.6 % |
| 10701 | AAA | IEEE 802.11ax (40MHz, MCS6, 90pc dc) | | | ± 9.6 % |
| 10702 | AAA | IEEE 802.11ax (40MHz, MCS7, 90pc dc) | WLAN | 8.70 | |
| 10703 | AAA | IEEE 802.11ax (40MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10704 | AAA | IEEE 802.11ax (40MHz, MCS9, 90pc dc) | WLAN | 8.56 | ± 9.6 % |
| 10705 | AAA | IEEE 802.11ax (40MHz, MCS10, 90pc dc) | WLAN | 8.69 | ±9.6% |
| 10706 | AAA | IEEE 802.11ax (40MHz, MCS11, 90pc dc) | WLAN | 8.66 | ± 9.6 % |
| 10707 | AAA | IEEE 802.11ax (40MHz, MCS0, 99pc dc) | WLAN | 8.32 | ± 9.6 % |
| 10708 | AAA | IEEE 802.11ax (40MHz, MCS1, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10709 | AAA | IEEE 802.11ax (40MHz, MCS2, 99pc dc) | WLAN | 8.33 | ±9.6 % |
| 10710 | AAA | IEEE 802.11ax (40MHz, MCS3, 99pc dc) | WLAN | 8.29 | ±9.6% |
| | 3 | IEEE 802.11ax (40MHz, MCS4, 99pc dc) | WLAN | 8.39 | ± 9.6 % |
| 10711 | AAA | IEEE 802.11ax (40MHz, MCS5, 99pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10712 | AAA | | WLAN | 8.33 | ± 9.6 % |
| 10713 | AAA | IEEE 802.11ax (40MHz, MCS6, 99pc dc) | WLAN | 8.26 | ± 9.6 % |
| 10714 | AAA | IEEE 802.11ax (40MHz, MCS7, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10715 | AAA | IEEE 802.11ax (40MHz, MCS8, 99pc dc) | | | ± 9.6 % |
| 10716 | AAA | IEEE 802.11ax (40MHz, MCS9, 99pc dc) | WLAN | 8.30 | |
| 10717 | AAA | IEEE 802.11ax (40MHz, MCS10, 99pc dc) | WLAN | 8.48 | ±9.6 % |
| 10718 | AAA | IEEE 802.11ax (40MHz, MCS11, 99pc dc) | WLAN | 8.24 | ± 9.6 % |
| 10719 | AAA | IEEE 802.11ax (80MHz, MCS0, 90pc dc) | WLAN | 8.81 | ±9.6 % |
| 10720 | AAA | IEEE 802.11ax (80MHz, MCS1, 90pc dc) | WLAN | 8.87 | ± 9.6 % |
| 10721 | AAA | IEEE 802.11ax (80MHz, MCS2, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10722 | AAA | IEEE 802.11ax (80MHz, MCS3, 90pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10723 | AAA | IEEE 802.11ax (80MHz, MCS4, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10724 | AAA | IEEE 802.11ax (80MHz, MCS5, 90pc dc) | WLAN | 8.90 | ± 9.6 % |
| 10725 | AAA | IEEE 802.11ax (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10726 | AAA | IEEE 802.11ax (80MHz, MCS7, 90pc dc) | WLAN | 8.72 | ± 9.6 % |
| | AAA | IEEE 802.11ax (80MHz, MCS7, 90pc dc) | WLAN | 8.66 | ± 9.6 % |
| 10727 | | IEEE 802.11ax (80MHz, MCS9, 90pc dc) | WLAN | 8.65 | ± 9.6 % |
| 10728 | AAA | IEEE OUZ. I RAX (OUIVITIZ, WICOSO, BUPC GC) | WLAN | 8.64 | ± 9.6 % |
| 10729 | AAA | IEEE 802.11ax (80MHz, MCS10, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10730 | AAA | IEEE 802.11ax (80MHz, MCS11, 90pc dc) | | 8.42 | ± 9.6 % |
| 40724 | AAA | IEEE 802.11ax (80MHz, MCS0, 99pc dc) | WLAN | | ± 9.6 % |
| 10731 | | IEEE 802.11ax (80MHz, MCS1, 99pc dc) | WLAN | 8.46 | I 9.0 % |
| 10732 | AAA | | 1477 431 | 0.40 | 1000 |
| 10732 10733 | AAA | IEEE 802.11ax (80MHz, MCS2, 99pc dc) | WLAN | 8.40 | ± 9.6 % |
| 10732 | | | WLAN WLAN WLAN | 8.40 8.25 8.33 | ± 9.6 % ± 9.6 % ± 9.6 % |

| | | | | 0.07 | . 0 0 0/ |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 10736 | AAA | IEEE 802.11ax (80MHz, MCS5, 99pc dc) | WLAN | 8.27 | ± 9.6 % |
| 10737 | AAA | IEEE 802.11ax (80MHz, MCS6, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10738 | AAA | IEEE 802.11ax (80MHz, MCS7, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10739 | AAA | IEEE 802.11ax (80MHz, MCS8, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10740 | AAA | IEEE 802.11ax (80MHz, MCS9, 99pc dc) | WLAN | 8.48 | ± 9.6 % |
| 10741 | AAA | IEEE 802.11ax (80MHz, MCS10, 99pc dc) | WLAN | 8.40 | ± 9.6 % |
| 10742 | AAA | IEEE 802.11ax (80MHz, MCS11, 99pc dc) | WLAN | 8.43 | ± 9.6 % |
| 10743 | AAA | IEEE 802.11ax (160MHz, MCS0, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10744 | AAA | IEEE 802.11ax (160MHz, MCS1, 90pc dc) | WLAN | 9.16 | ± 9.6 % |
| 10745 | AAA | IEEE 802.11ax (160MHz, MCS2, 90pc dc) | WLAN | 8.93 | ± 9.6 % |
| 10746 | AAA | IEEE 802.11ax (160MHz, MCS3, 90pc dc) | WLAN | 9.11 | ± 9.6 % |
| 10747 | AAA | IEEE 802.11ax (160MHz, MCS4, 90pc dc) | WLAN | 9.04 | ± 9.6 % |
| | | IEEE 802.11ax (160MHz, MCS5, 90pc dc) | WLAN | 8.93 | ± 9.6 % |
| 10748 | AAA | IEEE 802.11ax (160MHz, MCS6, 90pc dc) | WLAN | 8.90 | ± 9.6 % |
| 10749 | AAA | IEEE 802.11ax (160MHz, MCS7, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10750 | AAA | | WLAN | 8.82 | ± 9.6 % |
| 10751 | AAA | IEEE 802.11ax (160MHz, MCS8, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10752 | AAA | IEEE 802.11ax (160MHz, MCS9, 90pc dc) | WLAN | 9.00 | ± 9.6 % |
| 10753 | AAA | IEEE 802.11ax (160MHz, MCS10, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10754 | AAA | IEEE 802.11ax (160MHz, MCS11, 90pc dc) | | 8.64 | ± 9.6 % |
| 10755 | AAA | IEEE 802.11ax (160MHz, MCS0, 99pc dc) | WLAN WLAN | 8.77 | ± 9.6 % |
| 10756 | AAA | IEEE 802.11ax (160MHz, MCS1, 99pc dc) | | | ± 9.6 % |
| 10757 | AAA | IEEE 802.11ax (160MHz, MCS2, 99pc dc) | WLAN | 8.77 | |
| 10758 | AAA | IEEE 802.11ax (160MHz, MCS3, 99pc dc) | WLAN | 8.69 | ± 9.6 % |
| 10759 | AAA | IEEE 802.11ax (160MHz, MCS4, 99pc dc) | WLAN | 8.58 | ± 9.6 % |
| 10760 | AAA | IEEE 802.11ax (160MHz, MCS5, 99pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10761 | AAA | IEEE 802.11ax (160MHz, MCS6, 99pc dc) | WLAN | 8.58 | ± 9.6 % |
| 10762 | AAA | IEEE 802.11ax (160MHz, MCS7, 99pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10763 | AAA | IEEE 802.11ax (160MHz, MCS8, 99pc dc) | WLAN | 8.53 | ± 9.6 % |
| 10764 | AAA | IEEE 802.11ax (160MHz, MCS9, 99pc dc) | WLAN | 8.54 | ± 9.6 % |
| 10765 | AAA | IEEE 802.11ax (160MHz, MCS10, 99pc dc) | WLAN | 8.54 | ± 9.6 % |
| 10766 | AAA | IEEE 802.11ax (160MHz, MCS11, 99pc dc) | WLAN | 8.51 | ± 9.6 % |
| 10767 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 7.99 | ± 9.6 % |
| 10768 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ±9.6% |
| 10769 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10770 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10771 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10772 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.23 | ± 9.6 % |
| 10773 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.03 | ± 9.6 % |
| 10774 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| | AAB | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 | ± 9.6 % |
| 10775 | | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10776 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10777 | AAB | 5G NR (CP-OFDM, 50% RB, 15 MHz, QFSK, 15 M12) | 5G NR FR1 TDD | 8.34 | ±9.6% |
| 10778 | AAC | TO NE (OF OF DIM FOR DE OF MUT, OPEK 15 KIL) | 5G NR FR1 TDD | 8.42 | ±9.6 % |
| 10779 | AAB | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10780 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10781 | AAC | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 1 OO NEEDT IND | | |
| | | | EC ND ED4 TOD | 1 Q A 2 | |
| 10782 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10783 | AAC AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 | ± 9.6 % |
| 10783 10784 | AAC AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD 5G NR FR1 TDD | 8.31 8.29 | ± 9.6 % ± 9.6 % |
| 10783 | AAC AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD 5G NR FR1 TDD 5G NR FR1 TDD | 8.31 8.29 8.40 | ± 9.6 % ± 9.6 % ± 9.6 % |
| 10783 10784 | AAC AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD 5G NR FR1 TDD 5G NR FR1 TDD 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10783 10784 10785 | AAC AAC AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD 5G NR FR1 TDD 5G NR FR1 TDD 5G NR FR1 TDD 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 8.44 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10783 10784 10785 10786 | AAC AAC AAC AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 8.44 8.39 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10783 10784 10785 10786 10787 | AAC AAC AAC AAC AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 8.44 8.39 8.37 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10783 10784 10785 10786 10787 | AAC AAC AAC AAC AAC AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 8.44 8.39 8.37 8.39 | ± 9.6 % ± 9.6 % |
| 10783 10784 10785 10786 10787 10788 10789 | AAC AAC AAC AAC AAC AAC AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 8.44 8.39 8.37 8.39 7.83 | ± 9.6 % ± 9.6 % |
| 10783 10784 10785 10786 10787 10788 10789 10790 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 8.44 8.39 8.37 8.39 7.83 7.92 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10783 10784 10785 10786 10787 10788 10789 10790 10791 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 8.44 8.39 8.37 8.39 7.83 7.92 7.95 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10783 10784 10785 10786 10787 10788 10789 10790 10791 10792 10793 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 8.44 8.39 8.37 8.39 7.83 7.92 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10783 10784 10785 10786 10787 10788 10789 10790 10791 10792 10793 10794 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 8.44 8.39 8.37 8.39 7.83 7.92 7.95 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10783 10784 10785 10786 10787 10788 10789 10790 10791 10792 10793 10794 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 8.44 8.39 8.37 8.39 7.83 7.92 7.95 7.82 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10783 10784 10785 10786 10787 10788 10789 10790 10791 10792 10793 10794 10795 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 8.44 8.39 8.37 8.39 7.83 7.92 7.95 7.82 7.84 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10783 10784 10785 10786 10787 10788 10789 10790 10791 10792 10793 10794 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.31 8.29 8.40 8.35 8.44 8.39 8.37 8.39 7.83 7.92 7.95 7.82 7.84 7.82 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |

| | | | CONDEDATED | 7.00 | +069/ |
|-------|-----|------------------------------------------------------|---------------|------|---------|
| 10801 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10802 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.87 | ± 9.6 % |
| 10803 | AAC | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | ± 9.6 % |
| 10805 | AAC | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10806 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10809 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10810 | AAC | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10812 | AAC | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10817 | AAC | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10818 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10819 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.33 | ± 9.6 % |
| 10820 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10821 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10822 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10823 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10824 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10825 | AAC | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10827 | AAC | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10828 | AAC | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10829 | AAC | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10830 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.63 | ± 9.6 % |
| 10831 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.73 | ± 9.6 % |
| 10832 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.74 | ± 9.6 % |
| 10833 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10834 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.75 | ± 9.6 % |
| 10835 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10836 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.66 | ± 9.6 % |
| 10837 | AAC | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.68 | ± 9.6 % |
| 10839 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10840 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.67 | ± 9.6 % |
| 10841 | AAC | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.71 | ± 9.6 % |
| 10843 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.49 | ± 9.6 % |
| 10844 | AAC | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8,34 | ± 9.6 % |
| 10846 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10854 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10855 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10856 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10857 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10858 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10859 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10860 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10861 | AAC | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10863 | AAC | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10864 | AAC | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10865 | AAC | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10866 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10868 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.89 | ± 9.6 % |
| 10869 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.86 | ± 9.6 % |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52 | ± 9.6 % |
| 10873 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| 10874 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.39 | ± 9.6 % |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 7.95 | ± 9.6 % |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.12 | ± 9.6 % |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.38 | ± 9.6 % |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.96 | ± 9.6 % |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.57 | ± 9.6 % |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.53 | ± 9.6 % |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| | 1 | | | | |

| | | TO UD (DET. OFDIA 4000/ DD 50 MILE CAOAM 420 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
|-------------------------|------------|-----------------------------------------------------|---------------|------|---------|
| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.35 | ± 9.6 % |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | | 8.02 | ± 9.6 % |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.40 | ± 9.6 % |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | | |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.13 | ± 9.6 % |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10897 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.66 | ± 9.6 % |
| 10898 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10899 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10900 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10901 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6 % |
| 10902 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10903 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10904 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10905 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10906 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10907 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.78 | ± 9.6 % |
| 10908 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10909 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.96 | ± 9.6 % |
| 10900 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| | AAA | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10911 | AAA | 5G NR (DFT-s-OFDM, 50 % RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10912 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10913 | | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.85 | ± 9.6 % |
| 10914 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10915 | AAA | | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10916 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10917 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10918 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10919 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10920 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | | | ± 9.6 % |
| 10921 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | |
| 10922 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.82 | ± 9.6 % |
| 10923 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10924 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10925 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.95 | ±96% |
| 10926 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6 % |
| 10927 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10928 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ±9.6% |
| 10929 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10930 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10931 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10932 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10933 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10934 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10935 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10936 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10937 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.77 | ± 9.6 % |
| 10937 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10938 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.82 | ± 9.6 % |
| | | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.89 | ± 9.6 % |
| 10940 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz) | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10941 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| 10942 | AAA | | 5G NR FR1 FDD | 5.95 | ± 9.6 % |
| 10943 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.81 | ± 9.6 % |
| 10944 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| 10945 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | | | ± 9.6 % |
| 10946 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | |
| 10947 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| | AAA | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10947 | | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| | AAA | | | | |
| 10948 | AAA AAA | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10948 10949 | | | 5G NR FR1 FDD | 5.92 | ± 9.6 % |
| 10948 10949 10950 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | | | |

EX3DV4- SN:7570 December 11, 2019

| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.23 | ± 9.6 % |
|-------|-----|-----------------------------------------------------|---------------|------|---------|
| 10955 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.42 | ±9.6% |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.14 | ± 9.6 % |
| 10957 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.31 | ± 9.6 % |
| 10958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.61 | ± 9.6 % |
| 10959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.33 | ± 9.6 % |
| 10960 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.32 | ± 9.6 % |
| 10961 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.36 | ± 9.6 % |
| 10962 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.40 | ± 9.6 % |
| 10963 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9,55 | ± 9.6 % |
| 10964 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.29 | ± 9.6 % |
| 10965 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.37 | ± 9.6 % |
| 10966 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.55 | ±9.6% |
| 10967 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.42 | ± 9.6 % |
| 10968 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49 | ± 9.6 % |

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

Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





C

S

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

Accreditation No.: SCS 0108

Certificate No: EX3-7551_Sep19/2

Accredited by the Swiss Accreditation Service (SAS)

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

Client

PC Test

CALIBRATION CERTIFICATE (Replacement of No: EX3-7551_Sep19)

Object

EX3DV4 - SN:7551

Calibration procedure(s)

QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes

Calibration date:

September 19, 2019

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 | 03-Apr-19 (No. 217-02892/02893) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103244 | 03-Apr-19 (No. 217-02892) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103245 | 03-Apr-19 (No. 217-02893) | Apr-20 |
| Reference 20 dB Attenuator | SN: S5277 (20x) | 04-Apr-19 (No. 217-02894) | Apr-20 |
| DAE4 | SN: 660 | 19-Dec-18 (No. DAE4-660_Dec18) | Dec-19 |
| Reference Probe ES3DV2 | SN: 3013 | 31-Dec-18 (No. ES3-3013_Dec18) | Dec-19 |
| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB41293874 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-18) | In house check: Jun-20 |
| Network Analyzer E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-18) | In house check: Oct-19 |

Signature Name Function Calibrated by: Michael Weber Laboratory Technician Approved by: Katja Pokovic Technical Manager

Issued: March 31, 2020

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

Certificate No: EX3-7551_Sep19/2 Page 1 of 22

Calibration Laboratory of

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

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

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

CF A, B, C, D crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters

Polarization φ

φ rotation around probe axis

Polarization 9

B 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

Certificate No: EX3-7551_Sep19/2

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, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016

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).

EX3DV4 - SN:7551 September 19, 2019

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7551

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|--------------------------------------------|----------|----------|----------|-----------|
| Norm (μV/(V/m) ²) ^A | 0.57 | 0.54 | 0.56 | ± 10.1 % |
| DCP (mV) ^B | 104.3 | 99.1 | 95.6 | |

Calibration Results for Modulation Response

| UID | Communication System Name | | A dB | B dBõV | C | D dB | VR mV | Max dev. | Max Unc ^E |
|--------|-----------------------------|---|---------|-----------|-------|---------|----------|-------------|-------------------------|
| | | | ub | up,p. | | u. | | | (k=2) |
| 0 | cw | Х | 0.00 | 0.00 | 1.00 | 0.00 | 181.1 | ± 3.0 % | ± 4.7 % |
| | | Υ | 0.00 | 0.00 | 1.00 | | 174.4 | | |
| | | Z | 0.00 | 0.00 | 1.00 | | 174.0 | | |
| 10352- | Pulse Waveform (200Hz, 10%) | X | 15.00 | 89.60 | 21.65 | 10.00 | 60.0 | ± 3.9 % | ± 9.6 % |
| AAA | | Υ | 15.00 | 87.33 | 19.66 | ! | 60.0 | | |
| | | Z | 15.00 | 88.48 | 20.15 | | 60.0 | | |
| 10353- | Pulse Waveform (200Hz, 20%) | X | 15.00 | 90.79 | 21.23 | 6.99 | 80.0 | ± 2.7 % | ± 9.6 % |
| AAA | , , , | Y | 15.00 | 87.95 | 18,66 | | 80.0 | | |
| | | Z | 15.00 | 90.69 | 19.98 | | 80.0 | | |
| 10354- | Pulse Waveform (200Hz, 40%) | Х | 15.00 | 94.66 | 21.81 | 3.98 | 95.0 | ± 1.2 % | ± 9.6 % |
| AAA | i i | Υ | 15.00 | 89.03 | 17.62 | | 95.0 | | |
| | | Z | 15.00 | 94.85 | 20.37 | | 95.0 | | |
| 10355- | Pulse Waveform (200Hz, 60%) | X | 15.00 | 102.60 | 24.35 | 2.22 | 120.0 | ± 1.1 % | ± 9.6 % |
| AAA | | Y | 15.00 | 87.27 | 15.36 | | 120.0 | | ļ |
| | | Z | 15.00 | 97.27 | 19.82 | | 120.0 | | |
| 10387- | QPSK Waveform, 1 MHz | Х | 1.24 | 68.72 | 13.42 | 0.00 | 150.0 | ± 3.2 % | ± 9.6 % |
| AAA | | Υ | 0.54 | 60.00 | 7.02 | | 150.0 | | |
| | | Z | 0.39 | 60.00 | 3.70 | | 150.0 | | |
| 10388- | QPSK Waveform, 10 MHz | X | 2.73 | 71.86 | 17.85 | 0.00 | 150.0 | ± 1.4 % | ± 9.6 % |
| AAA | | Y | 1.99 | 66.53 | 14.73 |] | 150.0 | | |
| | | Z | 2.16 | 69.95 | 16.98 | | 150.0 | | |
| 10396- | 64-QAM Waveform, 100 kHz | X | 3.60 | 74.00 | 20.55 | 3.01 | 150.0 | ± 0.9 % | ± 9.6 % |
| AAA | | Y | 2.73 | 68.63 | 17.73 | | 150.0 | | |
| | | Z | 2.22 | 67.94 | 18.36 | | 150.0 | | |
| 10399- | 64-QAM Waveform, 40 MHz | X | 3.66 | 68.17 | 16.52 | 0.00 | 150.0 | ± 2.1 % | ± 9.6 % |
| AAA | · | Y | 3.37 | 66.52 | 15.34 | | 150.0 | | |
| | | Z | 3.41 | 67.62 | 16.33 | | 150.0 | | |
| 10414- | WLAN CCDF, 64-QAM, 40MHz | X | 4.90 | 65.94 | 15.82 | 0.00 | 150.0 | ± 4.2 % | ±9.6% |
| AAA | | Y | 4.76 | 65.46 | 15.39 | | 150.0 | | |
| | | Z | 4.60 | 66.09 | 16.03 | | 150.0 | | |

Note: For details on UID parameters see Appendix

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

Certificate No: EX3-7551_Sep19/2

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

^B Numerical linearization parameter: uncertainty not required.

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

EX3DV4- SN:7551 September 19, 2019

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7551

Sensor Model Parameters

| | C1 fF | C2 fF | α V ⁻¹ | T1 ms.V ⁻² | T2 ms.V ⁻¹ | T3 ms | T4 V ⁻² | T5 V ⁻¹ | T6 |
|---|----------|----------|------------------|--------------------------|--------------------------|----------|-----------------------|-----------------------|------|
| Х | 47.8 | 351.65 | 34.83 | 22.77 | 0.50 | 5.10 | 0.98 | 0.37 | 1.01 |
| Υ | 41.0 | 312.25 | 36.63 | 13.13 | 0.44 | 5.08 | 0.35 | 0.46 | 1.01 |
| Z | 25.5 | 199.44 | 38.63 | 11.25 | 0.42 | 5.10 | 0.00 | 0.26 | 1.01 |

Other Probe Parameters

| Sensor Arrangement | Triangular |
|-----------------------------------------------|------------|
| Connector Angle (°) | 120.2 |
| 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 |

Certificate No: EX3-7551_Sep19/2 Page 4 of 22

September 19, 2019

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7551

Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) ^C | Relative Permittivity ^F | Conductivity (S/m) F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k=2) |
|----------------------|---------------------------------------|----------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 750 | 41.9 | 0.89 | 10.11 | 10.11 | 10.11 | 0.50 | 0.80 | ± 12.0 % |
| 835 | 41.5 | 0.90 | 9.88 | 9.88 | 9.88 | 0.38 | 0.92 | ± 12.0 % |
| 1750 | 40.1 | 1.37 | 8.34 | 8.34 | 8.34 | 0.28 | 0.80 | ± 12.0 % |
| 1900 | 40.0 | 1.40 | 8.05 | 8.05 | 8.05 | 0.29 | 0.80 | ± 12.0 % |
| 2300 | 39.5 | 1.67 | 7.74 | 7.74 | 7.74 | 0.30 | 0.90 | ± 12.0 % |
| 2450 | 39.2 | 1.80 | 7.30 | 7.30 | 7.30 | 0.32 | 0.90 | ± 12.0 % |
| 2600 | 39.0 | 1.96 | 7.18 | 7.18 | 7.18 | 0.35 | 0.90 | ± 12.0 % |

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

⁶ MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can ba 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.

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.

September 19, 2019

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7551

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) |
|----------------------|---------------------------------------|------------------------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 750 | 55.5 | 0.96 | 10.09 | 10.09 | 10.09 | 0.45 | 0.80 | ± 12.0 % |
| 835 | 55.2 | 0.97 | 9.92 | 9.92 | 9.92 | 0.42 | 0.80 | ± 12.0 % |
| 1750 | 53.4 | 1.49 | 8.13 | 8.13 | 8.13 | 0.37 | 0.87 | ± 12.0 % |
| 1900 | 53.3 | 1.52 | 7.69 | 7.69 | 7.69 | 0.41 | 0.80 | ± 12.0 % |
| 2300 | 52.9 | 1.81 | 7.63 | 7.63 | 7.63 | 0.40 | 0.90 | ± 12.0 % |
| 2450 | 52.7 | 1.95 | 7.41 | 7.41 | 7.41 | 0.36 | 0.90 | ± 12.0 % |
| 2600 | 52.5 | 2.16 | 7.34 | 7.34 | 7.34 | 0.28 | 0.96 | ± 12.0 % |

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

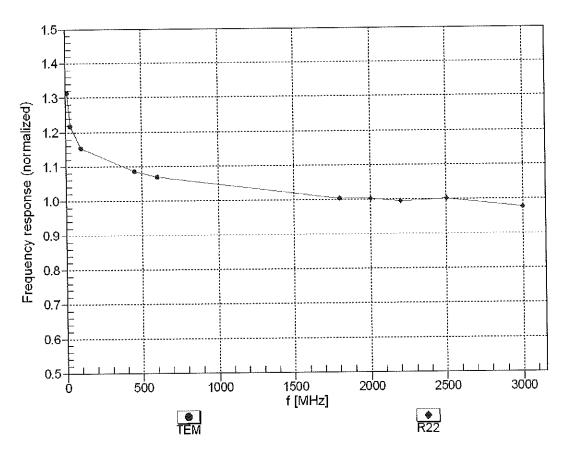
⁶ MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

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.

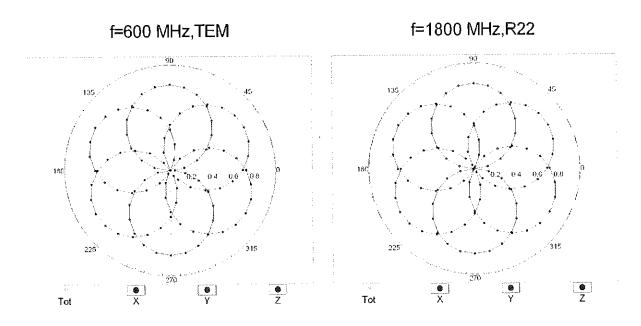
Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

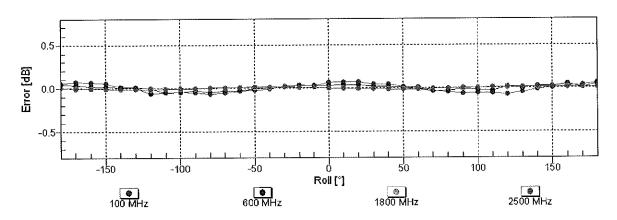
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

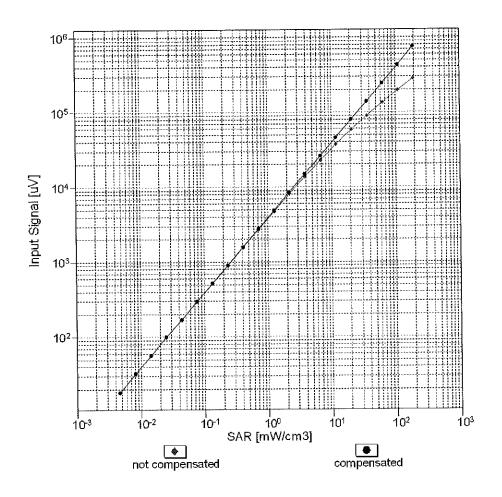
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

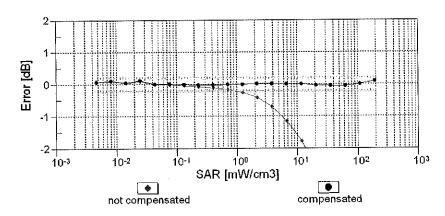




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

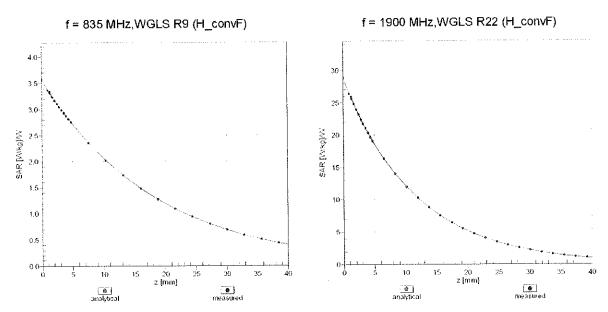
Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



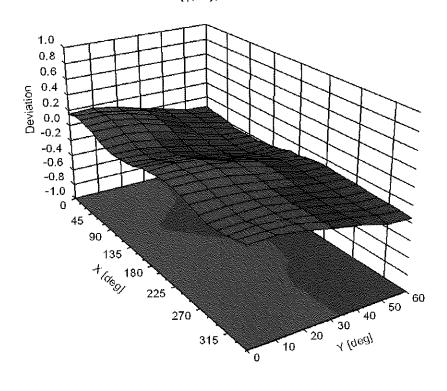


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



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



September 19, 2019

Appendix: Modulation Calibration Parameters

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E (k=2) |
|----------------|-----|-----------------------------------------------------|-------------------|-------------|---------------------------|
| 0 | 1 | CW | CW | 0.00 | ± 4.7 % |
| 10010 | CAA | SAR Validation (Square, 100ms, 10ms) | Test | 10.00 | ± 9.6 % |
| 10010 | CAB | UMTS-FDD (WCDMA) | WCDMA | 2.91 | ± 9.6 % |
| 10011 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) | WLAN | 1.87 | ± 9.6 % |
| 10012 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | WLAN | 9.46 | ± 9.6 % |
| 10013 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ± 9.6 % |
| 10021 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | ± 9.6 % |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 6.56 | ± 9.6 % |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0) | GSM | 12.62 | ± 9.6 % |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9.55 | ±9.6 % |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | GSM | 4.80 | ± 9.6 % |
| 10021 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) | GSM | 3.55 | ± 9.6 % |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2) | GSM | 7.78 | ± 9.6 % |
| 10020 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1) | Bluetooth | 5.30 | ± 9.6 % |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3) | Bluetooth | 1.87 | ± 9.6 % |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5) | Bluetooth | 1.16 | ±9.6% |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) | Bluetooth | 7.74 | ± 9.6 % |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) | Bluetooth | 4.53 | ± 9.6 % |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5) | Bluetooth | 3.83 | ± 9.6 % |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (F/IA-DQF 5N, DH1) | Bluetooth | 8.01 | ± 9.6 % |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Bluetooth | 4.77 | ± 9.6 % |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5) | Bluetooth | 4.10 | ± 9.6 % |
| 10039 | CAB | CDMA2000 (1xRTT, RC1) | CDMA2000 | 4.57 | ± 9.6 % |
| 10035 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS | 7.78 | ± 9.6 % |
| 10042 | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM) | AMPS | 0.00 | ± 9.6 % |
| 10044 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | DECT | 13.80 | ± 9.6 % |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | DECT | 10.79 | ±9.6 % |
| 10043 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps) | TD-SCDMA | 11.01 | ± 9.6 % |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | ± 9.6 % |
| 10059 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) | WLAN | 2.12 | ± 9.6 % |
| 10060 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) | WLAN | 2.83 | ±9.6 % |
| 10061 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) | WLAN | 3.60 | ± 9.6 % |
| 10061 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) | WLAN | 8.68 | ± 9.6 % |
| 10063 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) | WLAN | 8.63 | ± 9.6 % |
| 10064 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) | WLAN | 9.09 | ± 9.6 % |
| 10065 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps) | WLAN | 9.00 | ± 9.6 % |
| 10066 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps) | WLAN | 9.38 | ± 9.6 % |
| 10067 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps) | WLAN | 10.12 | ± 9.6 % |
| 10067 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | ± 9.6 % |
| 10069 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) | WLAN | 10.56 | ± 9.6 % |
| 10003 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps) | WLAN | 9.83 | ± 9.6 % |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.62 | ± 9.6 % |
| 10072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.94 | ± 9.6 % |
| 10073 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 16 Mbps) | WLAN | 10.30 | ± 9.6 % |
| 10074 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | WLAN | 10.77 | ± 9.6 % |
| 10075 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | WLAN | 10.94 | ± 9.6 % |
| 10076 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 44 Mbps) | WLAN | 11.00 | ± 9.6 % |
| 10077 | CAB | CDMA2000 (1xRTT, RC3) | CDMA2000 | 3.97 | ± 9.6 % |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS | 4.77 | ± 9.6 % |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 6.56 | ± 9.6 % |
| 10090 | CAB | UMTS-FDD (HSDPA) | WCDMA | 3.98 | ± 9.6 % |
| 10097 | CAB | UMTS-FDD (HSUPA, Subtest 2) | WCDMA | 3.98 | ± 9.6 % |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | GSM | 9.55 | ± 9.6 % |
| 10100 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-FDD | 5.67 | ± 9.6 % |
| 10100 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 % |
| 10101 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
| 10102 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6 % |
| | | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.97 | ± 9.6 % |
| 10104 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 10.01 | ± 9.6 % |
| 10105 10108 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-FDD | 5.80 | ± 9.6 % |
| 10100 | UAG | LIL DD (00-1 DIVIN, 100 /0 100, 10 WILL, 01 OTY) | 1 - 1 - 1 - 1 - 1 | 1 0.00 | |

| | | | I LTE EDD | 0.40 | 1000 |
|----------------|------|----------------------------------------------------------------------------------|-----------|--------------|------------------|
| 10109 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10110 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 % |
| 10111 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.44 | ± 9.6 % |
| 10112 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.59 | ± 9.6 % |
| 10113 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 % |
| 10114 | CAC | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| 10115 | CAC | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | WLAN | 8.46 | ± 9.6 % |
| 10116 | CAC | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN | 8.15 | ± 9.6 % |
| 10117 | CAC | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8.07 | ± 9.6 % |
| 10118 | CAC | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | WLAN | 8.59 | ± 9.6 % |
| 10119 | CAC | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10140 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10141 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.53 | ± 9.6 % |
| 10142 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10143 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.35 | ± 9.6 % |
| 10144 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.65 | ± 9.6 % |
| 10145 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.76 | ± 9.6 % |
| 10146 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.41 | ± 9.6 % |
| 10147 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.72 | ± 9.6 % |
| 10149 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 % |
| 10150 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.6% |
| 10151 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-TDD | 9.28 | ± 9.6 % |
| 10152 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.92 | ± 9.6 % |
| 10153 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.05 | ± 9.6 % |
| 10154 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 % |
| 10155 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10156 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-FDD | 5.79 | ± 9.6 % |
| 10157 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10157 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 % |
| 10159 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.56 | ± 9.6 % |
| 10160 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-FDD | 5.82 | ±9.6% |
| 10161 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-FDD | 6,43 | ± 9.6 % |
| 10162 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.58 | ± 9.6 % |
| 10166 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-FDD | 5,46 | ± 9.6 % |
| 10167 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.21 | ± 9.6 % |
| 10168 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.79 | ± 9.6 % |
| 10169 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10170 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10170 | AAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| | | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10172 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 4F3A) | LTE-TDD | 9.48 | ± 9.6 % |
| 10173 | CAG | | LTE-TOD | 10.25 | ± 9.6 % |
| 10174 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10175 | CAG | | LTE-FDD | 6.52 | ± 9.6 % |
| 10176 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-FDD | | ± 9.6 % |
| 10177 | CAL | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-FDD | 5.73 6.52 | ± 9.6 % |
| 10178 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | | 6.50 | ± 9.6 % |
| 10179 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-FDD | | ··· |
| 10180 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | | 6.50 | ±9.6% |
| 10181 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10182 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-FDD | 6.52 | |
| 10183 | AAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10184 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10185 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-FDD | 6.51 | ± 9.6 % |
| 10186 | AAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10187 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10188 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10189 | AAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10193 | CAC | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) | WLAN | 8.09 | ± 9.6 % |
| 10194 | CAC | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | WLAN | 8.12 | ± 9.6 % |
| 10195 | CAC | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | WLAN | 8.21 | ± 9.6 % |
| 10196 | CAC | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| | CAC | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10197 | LONG | | | | |
| 10197 10198 | CAC | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN WLAN | 8.27 8.03 | ±9.6 % ±9.6 % |

| 10221 CAC IEEE 802 111 (FIT MINED, 15 MBps, 8F9K) WLAN 8.07 29.6 % | | | IEEE OOG 44 (UTAN) - 1 40 0 MN 40 0 MM | WLAN | 8.13 | ± 9.6 % |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|---------------------------------------------|----------|-------------|---------|
| 10222 CAC IEEE 802 11n (HT Mised, 19 Mbps, 16-CAM) | 10220 | CAC | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | | | |
| 10225 CAC IEEE 802.11n (HT M96t) 50 Mbps, 64-OAM) | | | | | | |
| 19225 CAC IEEE BIZ 11n (HT MINOS), 150 MBps, 84-DAM) WLAN 8.08 9.9 % 9.0 % 19226 CAD WITS-FDD (HSPA+) WCDMA 5.97 4.9 % 19228 CAD WITS-FDD (HSPA+) WCDMA 5.97 4.9 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % 19.8 % | | | | | | |
| 10225 CAB UNITS-FDD (FISPA+) WCDMA 5.97 ± 9.6 % 1026 CAB LTE-TDD (SC-FDMA, T RB, 1.4 MHz, 64-CAM) LTE-TDD 9.49 ± 9.6 % 10227 CAB LTE-TDD (SC-FDMA, T RB, 1.4 MHz, 64-CAM) LTE-TDD 10.26 ± 9.6 % 10228 CAB LTE-TDD (SC-FDMA, T RB, 1.4 MHz, 64-CAM) LTE-TDD 9.22 ± 9.6 % 10229 CAD LTE-TDD (SC-FDMA, T RB, 3 MHz, 64-CAM) LTE-TDD 9.24 ± 9.6 % 10229 CAD LTE-TDD (SC-FDMA, T RB, 3 MHz, 16-CAM) LTE-TDD 9.49 ± 9.6 % 10230 CAD LTE-TDD (SC-FDMA, T RB, 3 MHz, 64-CAM) LTE-TDD 9.49 ± 9.6 % 10230 CAD LTE-TDD (SC-FDMA, T RB, 5 MHz, 64-CAM) LTE-TDD 9.49 ± 9.6 % 10232 CAG LTE-TDD (SC-FDMA, T RB, 5 MHz, 64-CAM) LTE-TDD 9.49 ± 9.6 % 10232 CAG LTE-TDD (SC-FDMA, T RB, 5 MHz, 64-CAM) LTE-TDD 10.25 ± 9.6 % 10233 CAG LTE-TDD (SC-FDMA, T RB, 5 MHz, 64-CAM) LTE-TDD 10.25 ± 9.6 % 10235 CAG LTE-TDD (SC-FDMA, T RB, 5 MHz, 64-CAM) LTE-TDD 10.25 ± 9.6 % 10235 CAG LTE-TDD (SC-FDMA, T RB, 5 MHz, 64-CAM) LTE-TDD 9.48 ± 9.8 % 10235 CAG LTE-TDD (SC-FDMA, T RB, 10 MHz, 64-CAM) LTE-TDD 9.48 ± 9.8 % 10235 CAG LTE-TDD (SC-FDMA, T RB, 10 MHz, 64-CAM) LTE-TDD 9.21 ± 9.6 % 10235 CAG LTE-TDD (SC-FDMA, T RB, 15 MHz, 64-CAM) LTE-TDD 9.21 ± 9.6 % 10235 CAG LTE-TDD (SC-FDMA, T RB, 15 MHz, 64-CAM) LTE-TDD 9.21 ± 9.6 % 10236 CAG LTE-TDD (SC-FDMA, T RB, 15 MHz, 64-CAM) LTE-TDD 9.21 ± 9.6 % 10236 CAG LTE-TDD (SC-FDMA, T RB, 15 MHz, 64-CAM) LTE-TDD 9.21 ± 9.6 % 10234 CAB LTE-TDD (SC-FDMA, T RB, 15 MHz, 64-CAM) LTE-TDD 9.22 ± 9.6 % 10234 CAB LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-CAM) LTE-TDD 9.22 ± 9.6 % 10234 CAB LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-CAM) LTE-TDD 9.22 ± 9.6 % 10234 CAB LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-CAM) LTE-TDD 9.22 ± 9.6 % 10234 CAB LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-CAM) LTE-TDD 9.29 ± 9.6 % 10234 CAB LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-CAM) LTE-TDD 9.29 | | | | | | |
| 10229 CAB | | CAC | <u> </u> | | | |
| 10225 CAB | 10225 | CAB | UMTS-FDD (HSPA+) | | | |
| 10229 CAB | 10226 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | | | |
| 10239 CAD TE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-OAM) | 10227 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | | | |
| 10230 CAD LTE-TDD (SC-PDMA, 1 RB, 3 MHz, 64-CAM) LTE-TDD 10,25 ±9.6 % 10232 CAG LTE-TDD (SC-PDMA, 1 RB, 5 MHz, 18-CAM) LTE-TDD 9.48 ±9.6 % 10233 CAG LTE-TDD (SC-PDMA, 1 RB, 5 MHz, 18-CAM) LTE-TDD 9.48 ±9.6 % 10234 CAG LTE-TDD (SC-PDMA, 1 RB, 5 MHz, 64-CAM) LTE-TDD 9.48 ±9.6 % 10235 CAG LTE-TDD (SC-PDMA, 1 RB, 5 MHz, 64-CAM) LTE-TDD 9.21 ±9.6 % 10235 CAG LTE-TDD (SC-PDMA, 1 RB, 10 MHz, 64-CAM) LTE-TDD 9.21 ±9.6 % 10235 CAG LTE-TDD (SC-PDMA, 1 RB, 10 MHz, 64-CAM) LTE-TDD 9.21 ±9.6 % 10235 CAG LTE-TDD (SC-PDMA, 1 RB, 10 MHz, 64-CAM) LTE-TDD 9.21 ±9.6 % 10235 CAG LTE-TDD (SC-PDMA, 1 RB, 10 MHz, 64-CAM) LTE-TDD 9.21 ±9.6 % 10236 CAG LTE-TDD (SC-PDMA, 1 RB, 15 MHz, 10 CAM) LTE-TDD 9.21 ±9.6 % 10239 CAF LTE-TDD (SC-PDMA, 1 RB, 15 MHz, 64-CAM) LTE-TDD 9.21 ±9.6 % 10239 CAF LTE-TDD (SC-PDMA, 1 RB, 15 MHz, 64-CAM) LTE-TDD 9.22 ±9.6 % 10236 CAF LTE-TDD (SC-PDMA, 1 RB, 15 MHz, 64-CAM) LTE-TDD 9.22 ±9.6 % 10234 CAB LTE-TDD (SC-PDMA, 50% RB, 1 AM Hz, 64-CAM) LTE-TDD 9.22 ±9.6 % 10234 CAB LTE-TDD (SC-PDMA, 50% RB, 1 AM Hz, 64-CAM) LTE-TDD 9.32 ±9.6 % 10234 CAB LTE-TDD (SC-PDMA, 50% RB, 1 AM Hz, 64-CAM) LTE-TDD 9.46 ±9.6 % 10234 CAB LTE-TDD (SC-PDMA, 50% RB, 1 AM Hz, 64-CAM) LTE-TDD 9.46 ±9.6 % 10234 CAB LTE-TDD (SC-PDMA, 50% RB, 1 AM Hz, 64-CAM) LTE-TDD 9.46 ±9.6 % 10234 CAB LTE-TDD (SC-PDMA, 50% RB, 1 AM Hz, 64-CAM) LTE-TDD 9.46 ±9.6 % 10234 CAB LTE-TDD (SC-PDMA, 50% RB, 1 AM Hz, 64-CAM) LTE-TDD 9.46 ±9.6 % 10234 CAB LTE-TDD (SC-PDMA, 50% RB, 5 MHz, 64-CAM) LTE-TDD 9.46 ±9.6 % 10234 CAB LTE-TDD (SC-PDMA, 50% RB, 5 MHz, 64-CAM) LTE-TDD 10.06 ±9.6 % 10236 CAB LTE-TDD (SC-PDMA, 50% RB, 5 MHz, 64-CAM) LTE-TDD 9.20 ±9.6 % 10236 CAB LTE-TDD (SC-PDMA, 50% RB, 5 MHz, 64-CAM) LTE-TDD 9.20 ±9.6 % 10236 | 10228 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TDD | 9.22 | |
| 10232 CAG | 10229 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-TDD | | |
| 10231 CAO LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-CAM) LTE-TDD 9,48 ± 9,6 % 10233 CAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 0 FCAM) LTE-TDD 10,25 ± 9,6 % 10234 CAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 0 FCAM) LTE-TDD 10,25 ± 9,6 % 10235 CAG LTE-TDD (SC-FDMA, 1 RB, 6 MHz, 0 FCAM) LTE-TDD 9,48 ± 9,6 % 10235 CAG LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0 FCAM) LTE-TDD 9,48 ± 9,6 % 10236 CAG LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0 FCAM) LTE-TDD 9,48 ± 9,6 % 10236 CAG LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0 FCAM) LTE-TDD 9,21 ± 9,6 % 10237 CAG LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0 FCAM) LTE-TDD 9,21 ± 9,6 % 10238 CAF LTE-TDD (SC-FDMA, 1 RB, 16 MHz, 0 FCAM) LTE-TDD 9,21 ± 9,6 % 10238 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 0 FCAM) LTE-TDD 9,22 ± 9,6 % 10239 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 0 FCAM) LTE-TDD 9,48 ± 9,6 % 10240 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 0 FCAM) LTE-TDD 9,48 ± 9,6 % 10240 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 0 FCAM) LTE-TDD 9,48 ± 9,6 % 10244 CAB LTE-TDD (SC-FDMA, 50% RB, 1 AMHz, 0 FCAM) LTE-TDD 9,22 ± 9,6 % 10242 CAB LTE-TDD (SC-FDMA, 50% RB, 1 AMHz, 0 FCAM) LTE-TDD 9,86 ± 9,6 % 10244 CAB LTE-TDD (SC-FDMA, 50% RB, 1 AMHz, 0 FCAM) LTE-TDD 9,86 ± 9,6 % 10244 CAD LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 0 FCAM) LTE-TDD 9,46 ± 9,6 % 10246 CAD LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 0 FCAM) LTE-TDD 9,46 ± 9,6 % 10246 CAD LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 0 FCAM) LTE-TDD 10,00 ± 9,6 % 10247 CAG LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 6-CAM) LTE-TDD 10,00 ± 9,6 % 10248 CAG LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 6-CAM) LTE-TDD 9,94 ± 9,6 % 10249 CAG LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 6-CAM) LTE-TDD 9,94 ± 9,6 % 10249 CAG LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 6-CAM) LTE-TDD 9,94 ± 9,6 % 10249 CAG LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 6-CAM) LTE-TDD 9,94 ± 9,6 % 10249 CAG LTE-TDD (SC-FDMA, 50% RB, 16 | 10230 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-TDD | 10,25 | |
| 10232 | | CAD | | LTE-TDD | 9.19 | ± 9.6 % |
| 10233 CAG | | <u> </u> | | LTE-TDD | 9.48 | ± 9.6 % |
| 10234 CAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, GPSK) LTE-TDD 9.21 ±9.6 % 10236 CAG LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GA-CAM) LTE-TDD 10.25 ±9.6 % 10237 CAG LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GPSK) LTE-TDD 10.25 ±9.6 % 10237 CAG LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GPSK) LTE-TDD 9.21 ±9.6 % 10238 CAF LTE-TDD SC-FDMA, 1 RB, 15 MHz, 16-CAM) LTE-TDD 9.48 ±9.6 % 10239 CAF LTE-TDD SC-FDMA, 1 RB, 15 MHz, 16-CAM) LTE-TDD 9.21 ±9.6 % 10239 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-CAM) LTE-TDD 9.21 ±9.6 % 10240 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-CAM) LTE-TDD 9.21 ±9.6 % 10241 CAB LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-CAM) LTE-TDD 9.82 ±9.6 % 10241 CAB LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 6-CAM) LTE-TDD 9.86 ±9.6 % 10243 CAB LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, CPSK) LTE-TDD 9.86 ±9.6 % 10243 CAB LTE-TDD (SC-FDMA, 50% RB, 3.4 MHz, CPSK) LTE-TDD 9.46 ±9.6 % 10244 CAD LTE-TDD (SC-FDMA, 50% RB, 3.4 MHz, CPSK) LTE-TDD 9.46 ±9.6 % 10247 CAD LTE-TDD (SC-FDMA, 50% RB, 3.6 MHz, LP-CAM) LTE-TDD 10.06 ±9.6 % 10247 CAG LTE-TDD (SC-FDMA, 50% RB, 3.6 MHz, CPSK) LTE-TDD 10.06 ±9.6 % 10247 CAG LTE-TDD (SC-FDMA, 50% RB, 3.6 MHz, CPSK) LTE-TDD 9.94 ±9.6 % 10247 CAG LTE-TDD (SC-FDMA, 50% RB, 5.6 MHz, CPSK) LTE-TDD 9.94 ±9.6 % 10248 CAG LTE-TDD (SC-FDMA, 50% RB, 5.6 MHz, GPSK) LTE-TDD 9.94 ±9.6 % 10248 CAG LTE-TDD (SC-FDMA, 50% RB, 5.6 MHz, GPSK) LTE-TDD 9.92 ±9.6 % 10248 CAG LTE-TDD (SC-FDMA, 50% RB, 5.6 MHz, GPSK) LTE-TDD 9.92 ±9.6 % 10259 CAG LTE-TDD (SC-FDMA, 50% RB, 5.6 MHz, GPSK) LTE-TDD 9.24 ±9.6 % 10254 CAG LTE-TDD (SC-FDMA, 50% RB, 5.6 MHz, GPSK) LTE-TDD 9.24 ±9.6 % 10255 CAG LTE-TDD (SC-FDMA, 50% RB, 5.6 MHz, GPSK) LTE-TDD 9.24 ±9.6 % 10255 CAG LTE-TDD (SC-FDMA, 50% RB, 5.6 MHz, GPSK) LTE-TDD 9.24 ±9.6 % 10255 CAG | | | | LTE-TDD | 10.25 | ± 9.6 % |
| 10236 CAG | | | | LTE-TDD | 9.21 | ±9.6 % |
| 10236 CAG | | L | LTE-TOD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10237 CAG | | | LTE-TDD (SC-EDMA 1 RB 10 MHz 64-QAM) | | 10.25 | |
| 10238 CAF | | | | | | |
| 10239 | 1 | | | | | |
| 10240 CAF | | 1 | | | | |
| 10241 CAB | | | | | | |
| 10242 CAB | | | | | | |
| 10244 CAB | | 1 | | | | |
| 10244 CAD | | | 1 | 1 | | |
| 10245 CAD | | | | | | |
| 10246 CAD | | | | | | |
| 10247 CAG | | · | | | | |
| 10248 CAG | | CAD | | | | |
| TO249 CAG | | CAG | | | | |
| 10250 CAG LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-TDD 9.81 ± 9.6 % 10251 CAG LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD 10.17 ± 9.6 % 10252 CAG LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD 9.24 ± 9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 9.90 ± 9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 10.14 ± 9.6 % 10255 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 10.14 ± 9.6 % 10256 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.90 ± 9.6 % 10256 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.96 ± 9.6 % 10257 CAF LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10257 CAB LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 10.08 ± 9.6 % 10258 CAB LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 9.94 ± 9.6 % 10258 CAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.98 ± 9.6 % 10256 CAD LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK) LTE-TDD 9.98 ± 9.6 % 10256 CAD LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.97 ± 9.6 % 10256 CAD LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.924 ± 9.6 % 10256 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.83 ± 9.6 % 10256 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10256 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10256 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10256 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10256 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.930 ± 9.6 % 10256 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.921 ± 9.6 % 10256 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.930 ± 9.6 % 10256 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 10.06 ± 9.6 % 10257 CAG LTE-TDD (SC-F | 10248 | CAG | | | | |
| TO251 CAG | 10249 | CAG | | | | |
| 10252 CAG | 10250 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | | | |
| 10253 | 10251 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | | | |
| 10254 CAF | 10252 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TDD | 9.24 | |
| 10255 | 10253 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-TDD | 9.90 | ± 9.6 % |
| 10256 CAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10257 CAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 10.08 ± 9.6 % 10258 CAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 9.6 % 10259 CAD LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.98 ± 9.6 % 10260 CAD LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9.97 ± 9.6 % 10261 CAD LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.97 ± 9.6 % 10262 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GA-QAM) LTE-TDD 9.24 ± 9.6 % 10262 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9.24 ± 9.6 % 10262 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GA-QAM) LTE-TDD 9.24 ± 9.6 % 10264 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GA-QAM) LTE-TDD 10.16 ± 9.6 % 10265 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GA-QAM) LTE-TDD 9.23 ± 9.6 % 10265 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ± 9.6 % 10266 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GA-QAM) LTE-TDD 9.92 ± 9.6 % 10266 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GA-QAM) LTE-TDD 9.92 ± 9.6 % 10266 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GA-QAM) LTE-TDD 9.30 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GA-QAM) LTE-TDD 10.06 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GA-QAM) LTE-TDD 10.06 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GA-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GA-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GA-QAM) LTE-TDD 10.13 ± 9.6 % 10273 CAA PHS (QPSK) RMS 4MHz, ROHORD RMS 15 MHz, GA-QAM) LTE-TDD 10.13 ± 9.6 % 10273 CAA PHS (QPSK, BW 884MHz, ROHORD RMS 15 MHz, GA-QAM) LTE-TDD 10.13 ± 9.6 % 10273 CAA PHS (QPSK, BW 884MHz, ROHORD SAB SAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10293 AAB CDM | 10254 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.14 | ±9.6% |
| 10256 CAB | 10255 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-TDD | 9.20 | ±9.6% |
| 10257 CAB | 10256 | CAB | | LTE-TDD | 9.96 | ± 9.6 % |
| 10258 CAB | | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.08 | ± 9.6 % |
| 10259 | | | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.34 | ± 9.6 % |
| 10260 CAD LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9.97 ± 9.6 % 10261 CAD LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.24 ± 9.6 % 10262 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.83 ± 9.6 % 10263 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 10.16 ± 9.6 % 10264 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9.23 ± 9.6 % 10265 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.22 ± 9.6 % 10266 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 9.30 ± 9.6 % 10267 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 9.30 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.06 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QFSK) LTE-TDD 10.13 ± 9.6 % 10278 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, | | + | | LTE-TDD | 9.98 | ± 9.6 % |
| 10261 CAD | | | | | | ± 9.6 % |
| 10262 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.83 ± 9.6 % 10263 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 10.16 ± 9.6 % 10264 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10265 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ± 9.6 % 10266 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 9.6 % 10267 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GPSK) LTE-TDD 10.07 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Re | | | | LTE-TDD | 9.24 | ± 9.6 % |
| 10263 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 10.16 ± 9.6 % 10264 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10265 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ± 9.6 % 10266 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 9.6 % 10267 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 9.30 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10278 CAA PHS (QPSK) PHS | | | | LTE-TDD | | |
| 10264 CAG LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10265 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ± 9.6 % 10266 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 9.6 % 10267 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 9.30 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS | | | | | | |
| 10265 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ± 9.6 % 10266 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 9.6 % 10267 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 9.30 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| 10266 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 9.6 % 10267 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 9.30 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 < | | | | | | |
| 10267 CAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 9.30 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.39 ± 9.6 % </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10292 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Tull Rate CDMA2000 12.49 ± 9.6 % | | | | | | |
| 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % | | | | | | |
| 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % | | | | | | |
| 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % | | | LIE-TOD (SC-PDWA, 100% KB, 15 MHz, QPSK) | | | |
| 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % | | | | | | |
| 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % | | | | | | |
| 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % | | | | | | |
| 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % | | | | | | |
| 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % | | | | | | |
| 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % | 1 | | | | | |
| 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % | | AAB | CDMA2000, RC3, SO55, Full Rate | | | ± 9.6 % |
| 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % | 10292 | AAB | | | | ± 9.6 % |
| 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % | | | | CDMA2000 | 3.50 | ± 9.6 % |
| 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % | | AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | CDMA2000 | 12.49 | ± 9.6 % |
| 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % | | | | LTE-FDD | 5.81 | ± 9.6 % |
| | | | | LTE-FDD | 5.72 | ± 9.6 % |
| | 10299 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.39 | ± 9.6 % |

| 40000 | A A D | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------------|
| 10300 | AAD | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC) | WiMAX | 12.03 | ± 9.6 % |
| 10301 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL) | WiMAX | 12.57 | ± 9.6 % |
| 10302 | AAA | IEEE 802.16e WIMAX (25.16, 5/16, 10MHz, 64QAM, PUSC) | WIMAX | 12.52 | ± 9.6 % |
| 10303 | AAA | IEEE 802.16e WIMAX (31.13, 511s, 10MHz, 64QAM, 1000) | WiMAX | 11.86 | ± 9.6 % |
| 10304 | AAA | IEEE 802.166 WIMAX (24:15, 5HS, 10WHZ, 64QAM, FOSC) | WIMAX | 15.24 | ± 9.6 % |
| 10305 | AAA | IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC) | WiMAX | 14.67 | ± 9.6 % |
| 10306 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC) | WIMAX | 14.49 | ± 9.6 % |
| 10307 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC) | WIMAX | 14.49 | ± 9.6 % |
| 10308 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) | | 14.58 | ± 9.6 % |
| 10309 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3) | WIMAX | | |
| 10310 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3 | WIMAX | 14.57 | ± 9.6 % |
| 10311 | AAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-FDD | 6.06 | ± 9.6 % |
| 10313 | AAA | IDEN 1:3 | IDEN | 10.51 | ± 9.6 % |
| 10314 | AAA | IDEN 1:6 | iDEN | 13.48 | ± 9.6 % |
| 10315 | AAB | IEEE 802,11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc) | WLAN | 1.71 | ±9.6 % |
| 10316 | AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10317 | AAC | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10352 | AAA | Pulse Waveform (200Hz, 10%) | Generic | 10.00 | ± 9.6 % |
| 10353 | AAA | Pulse Waveform (200Hz, 20%) | Generic | 6.99 | ± 9.6 % |
| 10354 | AAA | Pulse Waveform (200Hz, 40%) | Generic | 3.98 | ±9.6% |
| 10355 | AAA | Pulse Waveform (200Hz, 60%) | Generic | 2.22 | ± 9.6 % |
| 10356 | AAA | Pulse Waveform (200Hz, 80%) | Generic | 0.97 | ± 9.6 % |
| 10387 | AAA | QPSK Waveform, 1 MHz | Generic | 5.10 | ± 9.6 % |
| 10388 | AAA | QPSK Waveform, 10 MHz | Generic | 5.22 | ± 9.6 % |
| 10396 | AAA | 64-QAM Waveform, 100 kHz | Generic | 6.27 | ± 9.6 % |
| 10399 | AAA | 64-QAM Waveform, 40 MHz | Generic | 6.27 | ± 9.6 % |
| 10400 | AAD | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 10401 | AAD | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10401 | AAD | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc) | WLAN | 8.53 | ± 9.6 % |
| 10402 | AAB | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.76 | ± 9.6 % |
| | | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.77 | ± 9.6 % |
| 10404 | AAB | 1 | CDMA2000 | 5.22 | ± 9.6 % |
| 10406 | AAB | CDMA2000, RC3, SO32, SCH0, Full Rate | LTE-TDD | 7.82 | ± 9.6 % |
| 10410 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9) | | 8.54 | ± 9.6 % |
| 10414 | AAA | WLAN CCDF, 64-QAM, 40MHz | Generic WLAN | 1.54 | ± 9.6 % |
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc) | | | |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 % |
| 10417 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 % |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long) | WLAN | 8.14 | ± 9.6 % |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) | WLAN | 8.19 | ± 9.6 % |
| 10422 | AAB | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | ± 9.6 % |
| 10423 | AAB | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | WLAN | 8.47 | ± 9.6 % |
| 10424 | AAB | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | WLAN | 8.40 | ± 9.6 % |
| 10425 | AAB | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | WLAN | 8.41 | ± 9.6 % |
| 10426 | AAB | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) | WLAN | 8.45 | ± 9.6 % |
| 10427 | AAB | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) | WLAN | 8.41 | ± 9.6 % |
| 10430 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | LTE-FDD | 8.28 | ± 9.6 % |
| 10431 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | LTE-FDD | 8.38 | ± 9.6 % |
| 10432 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ± 9.6 % |
| 10433 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ± 9.6 % |
| 10434 | AAA | W-CDMA (BS Test Model 1, 64 DPCH) | WCDMA | 8.60 | ± 9.6 % |
| 10435 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10447 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.56 | ± 9.6 % |
| 10448 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | LTE-FDD | 7.53 | ± 9.6 % |
| 10449 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | LTE-FDD | 7.51 | ± 9.6 % |
| 10449 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.48 | ± 9.6 % |
| 10450 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7.59 | ± 9.6 % |
| 10451 | AAD | Validation (Square, 10ms, 1ms) | Test | 10.00 | ± 9.6 % |
| | | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) | WLAN | 8.63 | ± 9.6 % |
| 10456 | AAB | UMTS-FDD (DC-HSDPA) | WCDMA | 6.62 | ± 9.6 % |
| 10457 | AAA | | CDMA2000 | 6.55 | ± 9.6 % |
| 10458 | AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | CDMA2000 | 8.25 | ± 9.6 % |
| 10459 | AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | | | |
| 10460 | AAA | UMTS-FDD (WCDMA, AMR) | WCDMA LTE-TDD | 2.39 7.82 | ± 9.6 % ± 9.6 % |
| | | TELEVITATION OF THE STANDARD O | | 1 (X/ | 1 TMN % |
| 10461 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.30 | ± 9.6 % |

| 10463 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ± 9.6 % |
|-------|-----|-------------------------------------------------------------------------------------|---------|--------------|--------------------|
| 10464 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10465 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10466 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10467 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10468 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10469 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ± 9.6 % |
| 10470 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10471 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10472 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10473 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10474 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10475 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10477 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10478 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10479 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10480 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.18 | ± 9.6 % |
| 10481 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ± 9.6 % |
| 10482 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.71 | ± 9.6 % |
| 10483 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub) | LTE-TDD | 8.39 | ±9.6% |
| 10484 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.47 | ±9.6% |
| 10485 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.59 | ± 9.6 % |
| 10486 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.38 | ± 9.6 % |
| 10487 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.60 | ± 9.6 % |
| 10488 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.70 | ± 9.6 % |
| 10489 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ± 9.6 % |
| 10499 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| 10490 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ±9.6 % |
| 10491 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TOD | 8.41 | ± 9.6 % |
| 10492 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.55 | ± 9.6 % |
| 10493 | | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GF3R, 0L 3db) | LTE-TDD | 8.37 | ± 9.6 % |
| 10495 | AAF | | LTE-TDD | 8.54 | ± 9.6 % |
| 10496 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 7.67 | ± 9.6 % |
| 10497 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub) | | | |
| 10498 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TOD | 8.40 | ±9.6% |
| 10499 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.68 | ±9.6% |
| 10500 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | ± 9.6 % |
| 10501 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.44 | ± 9.6 % |
| 10502 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.52 | ± 9.6 % |
| 10503 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.72 | ± 9.6 % |
| 10504 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ± 9.6 % |
| 10505 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| 10506 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10507 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.36 | ± 9.6 % |
| 10508 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ± 9.6 % |
| 10509 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.99 | ± 9.6 % |
| 10510 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.49 | ± 9.6 % |
| 10511 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.51 | ± 9.6 % |
| 10512 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.42 | ± 9.6 % |
| 10514 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ± 9.6 % |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc) | WLAN | 1.58 | ± 9.6 % |
| 10516 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) | WLAN | 1.57 | ± 9.6 % |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc) | WLAN | 1.58 | ± 9.6 % |
| 10518 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 % |
| 10519 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc) | WLAN | 8.39 | ±9.6% |
| 10519 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc) | WLAN | 8.12 | ± 9.6 % |
| 10520 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 16 Mbps, 99pc dc) | WLAN | 7.97 | ± 9.6 % |
| | | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10522 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) | WLAN | 8.08 | ± 9.6 % |
| 10523 | AAB | | WLAN | 8.27 | ± 9.6 % |
| 10524 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) | WLAN | | ± 9.6 % |
| 10525 | AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) | WLAN | 8.36 | |
| 10526 | AAB | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc) IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc) | WLAN | 8.42 8.21 | ± 9.6 % ± 9.6 % |
| 10527 | | | : WILAN | 1 × 71 | wn / |

| 40500 | A A D | IEEE 000 44 as MEE (20MHz, MCS2, 00pg do) | WLAN | 8.36 | ± 9.6 % |
|----------------|-------|----------------------------------------------------------|--------------|------|--------------------|
| 10528 | AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10529 | AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) | WLAN | 8.43 | ±9.6 % |
| 10531 | AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10532 | AAB | IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc) | WLAN | 8.38 | ± 9.6 % |
| 10533 | AAB | IEEE 802.11ac WIFI (20MHz, MCS8, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10534 | AAB | IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10535 | AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) | | 8.32 | ± 9.6 % |
| 10536 | AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc) | WLAN | | |
| 10537 | AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) | WLAN | 8.44 | ±9.6% |
| 10538 | AAB | IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) | WLAN | 8.54 | ± 9.6 % |
| 10540 | AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) | WLAN | 8.39 | ± 9.6 % |
| 10541 | AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) | WLAN | 8.46 | ± 9.6 % |
| 10542 | AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) | WLAN | 8.65 | ± 9.6 % |
| 10543 | AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) | WLAN | 8.65 | ± 9.6 % |
| 10544 | AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) | WLAN | 8.47 | ± 9.6 % |
| 10545 | AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10546 | AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc) | WLAN | 8.35 | ± 9.6 % |
| 10547 | AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10548 | AAB | IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 10550 | AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc) | WLAN | 8.38 | ± 9.6 % |
| 10551 | AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc) | WLAN | 8.50 | ±9.6% |
| 10552 | AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10553 | AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10554 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc) | WLAN | 8.48 | ± 9.6 % |
| 10555 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc) | WLAN | 8.47 | ± 9.6 % |
| 10556 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc) | WLAN | 8.50 | ± 9.6 % |
| 10557 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc) | WLAN | 8.52 | ±9.6 % |
| 10558 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc) | WLAN | 8.61 | ± 9.6 % |
| 10560 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc) | WLAN | 8.73 | ± 9.6 % |
| 10561 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc) | WLAN | 8.56 | ± 9.6 % |
| 10562 | AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc) | WLAN | 8.69 | ±9.6 % |
| 10563 | AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) | WLAN | 8.13 | ± 9.6 % |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) | WLAN | 8.00 | ± 9.6 % |
| 10568 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) | WLAN | 8.10 | ± 9.6 % |
| 10570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) | WLAN | 8.30 | ± 9.6 % |
| 10570 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) | WLAN | 1.99 | ± 9.6 % |
| 10571 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) | WLAN | 1.99 | ± 9.6 % |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) | WLAN | 1.98 | ± 9.6 % |
| | | IEEE 802.11b WiFi 2.4 GHz (DSSS, 3.5 Mbps, 50pc dc) | WLAN | 1.98 | ± 9.6 % |
| 10574 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | ± 9.6 % |
| 10575 | AAA | IEEE 802.11g WIFI 2.4 GHZ (DSSS-OFDM, 6 Mbps, 90pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10576 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10577 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10578 | AAA | IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10579 | AAA | 1EEE 002.11g WIFI 2.4 GHz (DOSS-OFDW, 24 Wibps, 30pc do) | WLAN | 8.76 | ± 9.6 % |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) | WLAN | 8.35 | ± 9.6 % |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10582 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) | WLAN | 8.59 | ± 9.6 % |
| 10583 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) | | | |
| 10584 | AAB | IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10585 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10586 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10587 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10588 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10589 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) | WLAN | 8.35 | ± 9.6 % |
| 10590 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10591 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc) | WLAN | 8.63 | ± 9.6 % |
| 10592 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10593 | //// | | | | |
| 10593 10594 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc) | WLAN WLAN | 8.74 | ± 9.6 % ± 9.6 % |

| 10596 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc) | WLAN | 8.71 | ± 9.6 % |
|-------|-----|---------------------------------------------------|-----------|-------|---------|
| 10597 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) | WLAN | 8.72 | ± 9.6 % |
| 10598 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc) | WLAN | 8.50 | ± 9.6 % |
| 10599 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10600 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc) | WLAN | 8.88 | ± 9.6 % |
| 10601 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10602 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10603 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc) | WLAN | 9.03 | ± 9.6 % |
| 10604 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10605 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc) | WLAN | 8.97 | ± 9.6 % |
| 10606 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10607 | AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10608 | AAB | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10609 | AAB | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc) | WLAN | 8.57 | ± 9.6 % |
| 10610 | AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10611 | AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10612 | AAB | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10613 | AAB | IEEE 802,11ac WiFi (20MHz, MCS6, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10614 | AAB | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc) | WLAN | 8.59 | ± 9.6 % |
| 10615 | AAB | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10616 | AAB | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10617 | AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10618 | AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc) | WLAN | 8.58 | ± 9.6 % |
| 10619 | AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc) | WLAN | 8.86 | ± 9.6 % |
| 10619 | AAB | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc) | WLAN | 8.87 | ± 9.6 % |
| 10620 | AAB | | WLAN | 8.77 | ± 9.6 % |
| 10622 | AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc) | WLAN | 8.68 | ± 9.6 % |
| 10623 | AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10623 | AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc) | WLAN | 8.96 | ± 9.6 % |
| 10624 | AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc) | WLAN | 8.96 | ± 9.6 % |
| 10625 | AAB | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10626 | AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc) | WLAN | 8.88 | ± 9.6 % |
| | AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc) | WLAN | 8.71 | ± 9.6 % |
| 10628 | | IEEE 802.11ac WiFi (80MHz, MCS2, 30pc dc) | WLAN | 8.85 | ± 9.6 % |
| 10629 | AAB | IEEE 802.11ac WIFI (80MHz, MCS3, 80pc dc) | WLAN | 8.72 | ± 9.6 % |
| 10630 | AAB | | WLAN | 8.81 | ± 9.6 % |
| 10631 | AAB | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10632 | AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10633 | AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc) | WLAN | 8.80 | ± 9.6 % |
| 10634 | AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10635 | AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc) | | | ± 9.6 % |
| 10636 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10637 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc) | WLAN | 8.79 | |
| 10638 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc) | WLAN | 8.86 | ± 9.6 % |
| 10639 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc) | WLAN | 8.85 | ± 9.6 % |
| 10640 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc) | WLAN | 8.98 | ±9.6 % |
| 10641 | AAC | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc) | WLAN | 9.06 | ± 9.6 % |
| 10642 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc) | WLAN | 9.06 | ± 9.6 % |
| 10643 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc) | WLAN | 8.89 | ± 9.6 % |
| 10644 | AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc) | WLAN | 9.05 | ± 9.6 % |
| 10645 | AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) | WLAN | 9.11 | ± 9.6 % |
| 10646 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10647 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10648 | AAA | CDMA2000 (1x Advanced) | CDMA2000 | 3,45 | ± 9.6 % |
| 10652 | AAE | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.91 | ± 9.6 % |
| 10653 | AAE | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.42 | ±9.6 % |
| 10654 | AAD | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.96 | ± 9.6 % |
| 10655 | AAE | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.21 | ± 9.6 % |
| 10658 | AAA | Pulse Waveform (200Hz, 10%) | Test | 10.00 | ± 9.6 % |
| 10659 | AAA | Pulse Waveform (200Hz, 20%) | Test | 6.99 | ± 9.6 % |
| 10660 | AAA | Pulse Waveform (200Hz, 40%) | Test | 3.98 | ± 9.6 % |
| 10661 | AAA | Pulse Waveform (200Hz, 60%) | Test | 2.22 | ± 9.6 % |
| | | Pulse Waveform (200Hz, 80%) | Test | 0.97 | ± 9.6 % |
| 10662 | AAA | 1 400 11410101111 (200112) | | | |
| | AAA | Bluetooth Low Energy | Bluetooth | 2.19 | ± 9.6 % |

| 10672 10673 10674 | AAA | | | | |
|-------------------------|-----|---------------------------------------|--------------|------|---------|
| 10674 | | IEEE 802.11ax (20MHz, MCS1, 90pc dc) | WLAN | 8.57 | ±9.6 % |
| | AAA | IEEE 802.11ax (20MHz, MCS2, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10075 | AAA | IEEE 802.11ax (20MHz, MCS3, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10675 | AAA | IEEE 802.11ax (20MHz, MCS4, 90pc dc) | WLAN | 8.90 | ± 9.6 % |
| 10676 | AAA | IEEE 802.11ax (20MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10677 | AAA | IEEE 802.11ax (20MHz, MCS6, 90pc dc) | WLAN | 8.73 | ± 9.6 % |
| 10678 | AAA | IEEE 802.11ax (20MHz, MCS7, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10679 | AAA | IEEE 802.11ax (20MHz, MCS8, 90pc dc) | WLAN | 8.89 | ± 9.6 % |
| 10680 | AAA | IEEE 802.11ax (20MHz, MCS9, 90pc dc) | WLAN | 8.80 | ± 9.6 % |
| 10681 | AAA | IEEE 802.11ax (20MHz, MCS10, 90pc dc) | WLAN | 8.62 | ± 9.6 % |
| 10682 | AAA | IEEE 802,11ax (20MHz, MCS11, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10683 | AAA | IEEE 802.11ax (20MHz, MCS0, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10684 | AAA | IEEE 802.11ax (20MHz, MCS1, 99pc dc) | WLAN | 8.26 | ±9.6 % |
| 10685 | AAA | IEEE 802.11ax (20MHz, MCS2, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| 10686 | AAA | IEEE 802.11ax (20MHz, MCS3, 99pc dc) | WLAN | 8.28 | ±9.6% |
| 10687 | AAA | IEEE 802.11ax (20MHz, MCS4, 99pc dc) | WLAN | 8.45 | ±9.6% |
| 10688 | AAA | IEEE 802.11ax (20MHz, MCS5, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10689 | | IEEE 802.11ax (20MHz, MCS6, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| | AAA | | WLAN | 8.29 | ± 9.6 % |
| 10690 | AAA | IEEE 802.11ax (20MHz, MCS7, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10691 | AAA | IEEE 802.11ax (20MHz, MCS8, 99pc dc) | | 8.29 | ± 9.6 % |
| 10692 | AAA | IEEE 802.11ax (20MHz, MCS9, 99pc dc) | WLAN WLAN | 8.25 | ± 9.6 % |
| 10693 | AAA | IEEE 802.11ax (20MHz, MCS10, 99pc dc) | | | |
| 10694 | AAA | IEEE 802.11ax (20MHz, MCS11, 99pc dc) | WLAN | 8.57 | ±9.6% |
| 10695 | AAA | IEEE 802.11ax (40MHz, MCS0, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10696 | AAA | IEEE 802.11ax (40MHz, MCS1, 90pc dc) | WLAN | 8.91 | ± 9.6 % |
| 10697 | AAA | IEEE 802.11ax (40MHz, MCS2, 90pc dc) | WLAN | 8.61 | ± 9.6 % |
| 10698 | AAA | IEEE 802.11ax (40MHz, MCS3, 90pc dc) | WLAN | 8.89 | ± 9.6 % |
| 10699 | AAA | IEEE 802.11ax (40MHz, MCS4, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10700 | AAA | IEEE 802.11ax (40MHz, MCS5, 90pc dc) | WLAN | 8.73 | ± 9.6 % |
| 10701 | AAA | IEEE 802.11ax (40MHz, MCS6, 90pc dc) | WLAN | 8.86 | ± 9.6 % |
| 10702 | AAA | IEEE 802.11ax (40MHz, MCS7, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10703 | AAA | IEEE 802.11ax (40MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10704 | AAA | IEEE 802.11ax (40MHz, MCS9, 90pc dc) | WLAN | 8.56 | ± 9.6 % |
| 10705 | AAA | IEEE 802.11ax (40MHz, MCS10, 90pc dc) | WLAN | 8.69 | ± 9.6 % |
| 10706 | AAA | IEEE 802.11ax (40MHz, MCS11, 90pc dc) | WLAN | 8.66 | ± 9.6 % |
| 10707 | AAA | IEEE 802.11ax (40MHz, MCS0, 99pc dc) | WLAN | 8.32 | ± 9.6 % |
| 10708 | AAA | IEEE 802.11ax (40MHz, MCS1, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10709 | AAA | IEEE 802.11ax (40MHz, MCS2, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| 10710 | AAA | IEEE 802.11ax (40MHz, MCS3, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10711 | AAA | IEEE 802.11ax (40MHz, MCS4, 99pc dc) | WLAN | 8.39 | ± 9.6 % |
| 10712 | AAA | IEEE 802.11ax (40MHz, MCS5, 99pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10713 | AAA | IEEE 802.11ax (40MHz, MCS6, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| | | IEEE 802.11ax (40MHz, MCS7, 99pc dc) | WLAN | 8.26 | ± 9.6 % |
| 10714 | AAA | IEEE 802.11ax (40MHz, MCS8, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10715 | AAA | | WLAN | 8.30 | ± 9.6 % |
| 10716 | AAA | IEEE 802.11ax (40MHz, MCS9, 99pc dc) | WLAN | 8.48 | ± 9.6 % |
| 10717 | AAA | IEEE 802.11ax (40MHz, MCS10, 99pc dc) | | | |
| 10718 | AAA | IEEE 802.11ax (40MHz, MCS11, 99pc dc) | WLAN | 8.24 | ± 9.6 % |
| 10719 | AAA | IEEE 802.11ax (80MHz, MCS0, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10720 | AAA | IEEE 802.11ax (80MHz, MCS1, 90pc dc) | WLAN | 8.87 | ± 9.6 % |
| 10721 | AAA | IEEE 802.11ax (80MHz, MCS2, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10722 | AAA | IEEE 802.11ax (80MHz, MCS3, 90pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10723 | AAA | IEEE 802.11ax (80MHz, MCS4, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10724 | AAA | IEEE 802.11ax (80MHz, MCS5, 90pc dc) | WLAN | 8.90 | ± 9.6 % |
| 10725 | AAA | IEEE 802.11ax (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10726 | AAA | IEEE 802.11ax (80MHz, MCS7, 90pc dc) | WLAN | 8.72 | ± 9.6 % |
| 10727 | AAA | IEEE 802.11ax (80MHz, MCS8, 90pc dc) | WLAN | 8.66 | ± 9.6 % |
| 10728 | AAA | IEEE 802.11ax (80MHz, MCS9, 90pc dc) | WLAN | 8.65 | ± 9.6 % |
| | AAA | IEEE 802.11ax (80MHz, MCS10, 90pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10729 | AAA | IEEE 802.11ax (80MHz, MCS11, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10729 | | IEEE 802.11ax (80MHz, MCS0, 99pc dc) | WLAN | 8.42 | ±9.6 % |
| 10730 | | | | | |
| 10730 10731 | AAA | | | | |
| 10730 10731 10732 | AAA | IEEE 802.11ax (80MHz, MCS1, 99pc dc) | WLAN | 8.46 | ± 9.6 % |
| 10730 10731 | | | | | |

| 10737 | 8.27 8.36 8.42 | ± 9.6 % ± 9.6 % |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|
| 10738 | | 1 ± 9.6 % |
| 10739 | 8.42 | 1000 |
| 10740 | | ± 9.6 % |
| 10741 | 8,29 | ± 9.6 % |
| 10742 | 8.48 | ± 9.6 % |
| 10743 | 8.40 | ± 9.6 % |
| 107744 | 8.43 | ± 9.6 % |
| 10745 | 8.94 | ± 9.6 % |
| 10746 | 9.16 | ± 9.6 % |
| 10747 | 8.93 | ± 9.6 % |
| 10748 | 9.11 | ± 9.6 % |
| 10749 | 9.04 | ± 9.6 % |
| 10750 | 8.93 | ± 9.6 % |
| 10751 | 8.90 | ± 9.6 % |
| 10752 | 8.79 | ± 9.6 % |
| 10753 | 8.82 | ± 9.6 % |
| 10754 | 8.81 | ± 9.6 % |
| 10755 | 9.00 | ± 9.6 % |
| 10756 | 8.94 | ± 9.6 % |
| 10757 | 8.64 | ± 9.6 % |
| 10758 | 8.77 | ± 9.6 % |
| 10759 | 8.77 | ± 9.6 % |
| 10760 | 8.69 | ± 9.6 % |
| 10761 | 8.58 | ± 9.6 % |
| 10762 AAA IEEE 802.11ax (160MHz, MCS7, 99pc dc) WLAN 8 10763 AAA IEEE 802.11ax (160MHz, MCS8, 99pc dc) WLAN 8 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc dc) WLAN 8 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc dc) WLAN 8 10766 AAA IEEE 802.11ax (160MHz, MCS10, 99pc dc) WLAN 8 10767 AAC IEEE 802.11ax (160MHz, MCS11, 99pc dc) WLAN 8 10768 AAA IEEE 802.11ax (160MHz, MCS11, 99pc dc) WLAN 8 10767 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10768 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10769 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10770 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10771 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10772 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10772 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10773 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10774 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10775 AAB 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10776 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10776 AAC 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10777 AAB 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10777 AAB 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10779 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10779 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10778 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10778 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10778 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10778 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10778 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD | 8.49 | |
| 10763 AAA IEEE 802.11ax (160MHz, MCS8, 99pc dc) WLAN E 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc dc) WLAN E 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc dc) WLAN E 10766 AAA IEEE 802.11ax (160MHz, MCS10, 99pc dc) WLAN E 10767 AAC SG NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10768 AAC SG NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10769 AAC SG NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10770 AAC SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10771 AAC SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10772 AAC SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10773 AAC SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10774 AAC SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10775 AAB SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10776 AAC SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10776 AAC SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10776 AAC SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10776 AAC SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10776 AAC SG NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10777 AAB SG NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10778 AAC SG NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10779 AAB SG NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10780 AAC SG NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10781 AAC SG NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10782 AAC SG NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10783 AAC SG NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10784 AAC SG NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10785 AAC SG NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10786 AAC SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10787 AAC SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 TDD T 10788 AAC SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 1 | 8.58 | ± 9.6 % |
| 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc dc) WLAN 8 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc dc) WLAN 8 10766 AAA IEEE 802.11ax (160MHz, MCS10, 99pc dc) WLAN 8 10767 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10768 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10769 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10770 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10771 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10772 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10773 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10774 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10774 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10774 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10774 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10775 AAB 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10776 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10776 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10777 AAB 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10777 AAB 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10779 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10779 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10780 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10781 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10782 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10783 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10784 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10784 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10786 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10788 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10788 AA | 8.49 | |
| 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc dc) WLAN E 10766 AAA IEEE 802.11ax (160MHz, MCS11, 99pc dc) WLAN E 10767 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7 10768 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7 10769 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10770 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10771 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10771 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10772 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10773 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10774 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10775 AAB 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10775 AAB 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10776 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10777 AAB 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10779 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10780 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10780 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10780 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10784 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10788 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10788 AAC 5G NR (CP-OFDM, | 8.53 | ± 9.6 % |
| 10766 AAA IEEE 802.11ax (160MHz, MCS11, 99pc dc) WLAN 8 10767 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7 10768 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10769 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10770 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10771 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10772 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10771 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10773 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10774 AAC 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10775 AAB 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10776 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD </td <td>8.54</td> <td></td> | 8.54 | |
| 10767 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7 10768 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10769 AAC 5G NR (CP-OFDM, 1 RB, 16 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10770 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10771 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10772 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10773 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10773 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10774 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10775 AAB 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10776 AAC 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10777 AAB 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10779 AAB 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10782 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10783 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10784 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10785 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10786 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10788 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10788 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10788 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD | 8.54 | |
| 10768 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5 10769 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5 10770 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5 10771 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5 10772 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5 10773 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5 10774 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5 10775 AAB 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5 10774 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5 10775 AAB 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5 10776 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | 8.51 | ± 9.6 % |
| 10769 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10770 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10771 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10772 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10773 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10774 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10775 AAB 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10776 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10776 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10777 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 7.99 | |
| 10770 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10771 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10772 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10773 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10774 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10774 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10775 AAB 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10777 AAB 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10779 AAB 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | | ± 9.6 % |
| 10771 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10772 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10773 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10774 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10775 AAB 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10777 AAB 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10779 AAB 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | | |
| 10772 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD | | |
| 10773 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10774 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10775 AAB 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10777 AAB 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10779 AAB 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10784 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) </td <td></td> <td></td> | | |
| 10774 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10775 AAB 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10777 AAB 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10779 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz | | |
| 10775 AAB 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10777 AAB 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10779 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10780 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10783 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10785 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 | | |
| 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10777 AAB 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10779 AAB 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10783 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10785 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10787 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, | | |
| 10777 AAB 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10779 AAB 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10785 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10788 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10789 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, | | |
| 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10779 AAB 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10788 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10789 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 | | |
| 10779 AAB 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 6 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 6 | | |
| 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 | 8.34 | |
| 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 | 8.42 | |
| 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 | | |
| 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 | 8.38 | |
| 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8 | | |
| 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 6 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 6 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 6 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 6 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 6 | | |
| 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD | | |
| 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 3 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 3 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 3 | | |
| 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD | | |
| 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD | | |
| | | |
| TANTON TAKE TROUBLED OF BUILDING FORMS OF STATE | | |
| | _ | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| 10799 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD | 7.93 | ± 9.6 % |

| | | | T FO NO EDITOR | 7.00 T | 1000 |
|-------|-----|------------------------------------------------------|----------------|--------|--------------------|
| 10801 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ± 9.6 % ± 9.6 % |
| 10802 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | | ± 9.6 % |
| 10803 | AAC | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | |
| 10805 | AAC | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10806 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % ± 9.6 % |
| 10809 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | |
| 10810 | AAC | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10812 | AAC | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10817 | AAC | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10818 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10819 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.33 | ± 9.6 % |
| 10820 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10821 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10822 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10823 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10824 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10825 | AAC | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10827 | AAC | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10828 | AAC | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10829 | AAC | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10830 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.63 | ± 9.6 % |
| 10831 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.73 | ± 9.6 % |
| 10832 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.74 | ± 9.6 % |
| 10833 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10834 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.75 | ± 9.6 % |
| 10835 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10836 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.66 | ± 9.6 % |
| 10837 | AAC | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.68 | ± 9.6 % |
| 10839 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10840 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.67 | ± 9.6 % |
| 10841 | AAC | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.71 | ± 9.6 % |
| 10843 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.49 | ± 9.6 % |
| 10844 | AAC | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8,34 | ± 9.6 % |
| 10846 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10854 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10855 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10856 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10857 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10858 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10859 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10860 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10861 | AAC | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10863 | AAC | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10864 | AAC | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10865 | AAC | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10866 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10868 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.89 | ± 9.6 % |
| 10869 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.86 | ± 9.6 % |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52 | ± 9.6 % |
| 10873 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| 10874 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.39 | ± 9.6 % |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 7.95 | ± 9.6 % |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.12 | ± 9.6 % |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.38 | ± 9.6 % |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.96 | ± 9.6 % |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.57 | ± 9.6 % |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.53 | ± 9.6 % |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ±9.6% |
| | | | | | |

| w | | TO THE COOK OF TO THE CACOM AND HIM | LEC NO ED2 TOD | 6.65 | ±9.6 % |
|-------|------------|-------------------------------------------------------------------------------------------------------|--------------------------------|--------------|--------------------|
| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.35 | |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.02 | ± 9.6 % ± 9.6 % |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD 5G NR FR2 TDD | 8.40 | ± 9.6 % |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | | 8.13 | |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10897 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.66 | ± 9.6 % |
| 10898 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10899 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10900 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10901 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10902 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10903 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10904 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10905 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10906 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10907 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.78 | ± 9.6 % |
| 10908 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10909 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.96 | ± 9.6 % |
| 10910 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10911 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10912 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10913 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10914 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.85 | ± 9.6 % |
| 10915 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10916 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | ±9.6% |
| 10917 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10918 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10919 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10920 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10921 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10922 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.82 | ± 9.6 % |
| 10923 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6 % |
| 10924 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10925 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.95 | ± 9.6 % |
| 10926 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10927 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10927 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10928 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10929 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| ļ | | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ±9.6 % |
| 10931 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10932 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10933 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QFSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10934 | AAA | | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10935 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10936 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.77 | ± 9.6 % |
| 10937 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10938 | AAA | | 5G NR FR1 FDD | 5.82 | ± 9.6 % |
| 10939 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.89 | ± 9.6 % |
| 10940 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10941 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | | | ± 9.6 % |
| 10942 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD 5G NR FR1 FDD | 5.85 | |
| 10943 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | | 5.95 | ±9.6% |
| 10944 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.81 | ±9.6% |
| 10945 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| 10946 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10947 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| 10948 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10949 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| 10950 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ±9.6 % |
| | | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.92 | ± 9.6 % |
| 10951 | AAA | | | | |
| | AAA AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD 5G NR FR1 FDD | 8.25 8.15 | ± 9.6 % ± 9.6 % |

EX3DV4- SN:7551 September 19, 2019

| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.23 | ± 9.6 % |
|-------|-----|-----------------------------------------------------|---------------|------|---------|
| 10955 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.42 | ±9.6 % |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.14 | ± 9.6 % |
| 10957 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.31 | ± 9.6 % |
| 10958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.61 | ± 9.6 % |
| 10959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.33 | ± 9.6 % |
| 10960 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.32 | ± 9.6 % |
| 10961 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.36 | ± 9.6 % |
| 10962 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.40 | ±9.6% |
| 10963 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.55 | ±9.6 % |
| 10964 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.29 | ± 9.6 % |
| 10965 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.37 | ±9.6% |
| 10966 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.55 | ±9.6% |
| 10967 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.42 | ±9.6 % |
| 10968 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49 | ±9.6 % |

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

Calibration Laboratory of

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





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

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

PC Test

Certificate No: EX3-7406_May19

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7406

Calibration procedure(s)

QA CAL-01.v9, QA CAL-14.v5, QA CAL-23.v5, QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date:

May 16, 2019

BN 23-2010

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 | 03-Apr-19 (No. 217-02892/02893) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103244 | 03-Apr-19 (No. 217-02892) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103245 | 03-Apr-19 (No. 217-02893) | Apr-20 |
| Reference 20 dB Attenuator | SN: S5277 (20x) | 04-Apr-19 (No. 217-02894) | Apr-20 |
| DAE4 | SN: 660 | 19-Dec-18 (No. DAE4-660_Dec18) | Dec-19 |
| Reference Probe ES3DV2 | SN: 3013 | 31-Dec-18 (No. ES3-3013_Dec18) | Dec-19 |
| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB41293874 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-18) | In house check; Jun-20 |
| Network Analyzer E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-18) | In house check: Oct-19 |

Calibrated by:

Name

Function

Michael Weber

Laboratory Technician

Signature

Approved by:

Katja Pokovic

Technical Manager

Issued: May 16, 2019

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

Calibration Laboratory of

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

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

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

CF A, B, C, D crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters

Polarization φ

φ rotation around probe axis

Polarization 8

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
- Techniques", June 2013
 b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- 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 9 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is
 implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included
 in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|-------------------------------|----------|----------|----------|-----------|
| Norm (μV/(V/m)²) ^A | 0.46 | 0.43 | 0.45 | ± 10.1 % |
| DCP (mV) ^B | 102.8 | 102.2 | 100.4 | |

Calibration Results for Modulation Response

| UID | Communication System Name | | A dB | B dBõV | С | D dB | VR mV | Max dev. | Max Unc ^E (k=2) |
|--------|----------------------------------|----|---------|-----------|-------|---------|----------|-------------|----------------------------------|
| 0 | CW | Х | 0.00 | 0.00 | 1.00 | 0.00 | 182.0 | ± 2.7 % | ± 4.7 % |
| | | Υ | 0.00 | 0.00 | 1.00 | | 172.4 | 1 | |
| **** | | Z | 0.00 | 0.00 | 1.00 | 1 | 174.6 | 1 | |
| 10352- | Pulse Waveform (200Hz, 10%) | Х | 6.76 | 76.02 | 14.93 | 10.00 | 60.0 | ± 2.7 % | ± 9.6 % |
| AAA | | Y | 6.25 | 75.48 | 14.76 | 1 | 60.0 | 1 /- | - 313 70 |
| | | Z | 15.00 | 84.32 | 17.62 | 1 | 60.0 | 1 | |
| 10353- | Pulse Waveform (200Hz, 20%) | Х | 15.00 | 85.05 | 16.36 | 6.99 | 80.0 | ± 1.9 % | ± 9.6 % |
| AAA | | Υ | 15.00 | 85.57 | 16.70 | | 80.0 | | |
| | | Z | 15.00 | 85.96 | 16.90 | 1 | 80.0 | 1 | |
| 10354- | Pulse Waveform (200Hz, 40%) | Х | 15.00 | 83.48 | 13.87 | 3.98 | 95.0 | ± 1.3 % | ± 9.6 % |
| AAA | | _Y | 15.00 | 88.48 | 16.53 | 1 | 95.0 | | , , |
| | | Z | 15.00 | 85.80 | 15.05 | 1 | 95.0 | 1 | |
| 10355- | Pulse Waveform (200Hz, 60%) | Х | 0.28 | 60.00 | 4.49 | 2.22 | 120.0 | ± 1.3 % | ± 9.6 % |
| AAA | | Υ | 15.00 | 95.23 | 18.20 | | 120.0 | | |
| | | Z | 0.39 | 62.12 | 5.82 | | 120.0 | | |
| 10387- | QPSK Waveform, 1 MHz | X | 0.46 | 60.00 | 5.77 | 0.00 | 150.0 | ± 3.7 % | ± 9.6 % |
| AAA | | Υ | 14.25 | 443.18 | 61.66 | | 150.0 | | |
| | | Z | 0.48 | 60.00 | 6.06 | | 150.0 | | |
| 10388- | QPSK Waveform, 10 MHz | Х | 2.03 | 67.70 | 15.44 | 0.00 | 150.0 | ± 1.2 % | ± 9.6 % |
| AAA | 1 | Υ | 2.30 | 72.35 | 18.27 | | 150.0 | | |
| | | Z | 2.07 | 67.89 | 15.68 | | 150.0 | : | |
| 10396- | 64-QAM Waveform, 100 kHz | X | 2.49 | 68.06 | 17.57 | 3.01 | 150.0 | ± 1.6 % | ± 9.6 % |
| AAA | | Y | 1.98 | 66.67 | 17.49 | | 150.0 | | |
| | | Z | 2.52 | 68,32 | 17.86 | | 150.0 | | |
| 10399- | 64-QAM Waveform, 40 MHz | Х | 3.39 | 67.06 | 15.71 | 0.00 | 150.0 | ± 2.2 % | ± 9.6 % |
| AAA | | Υ | 3.39 | 68.23 | 16.67 | | 150.0 | | |
| 45.00 | | Z | 3.40 | 67.01 | 15.79 | | 150.0 | | |
| 10414- | WLAN CCDF, 64-QAM, 40MHz | Х | 4.70 | 65.74 | 15.61 | 0.00 | 150.0 | ± 4.1 % | ± 9.6 % |
| AAA | | Y | 4.47 | 66.54 | 16.20 | | 150.0 | | |
| | details on LUD parameters and Am | Z | 4.70 | 65.63 | 15.63 | | 150.0 | | |

Note: For details on UID parameters see Appendix

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

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

B Numerical linearization parameter: uncertainty not required.

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

Sensor Model Parameters

| | C1 fF | C2 fF | α V ⁻¹ | T1 ms.V ⁻² | T2 ms.V ⁻¹ | T3 ms | T4 V ⁻² | T5 V ⁻¹ | Т6 |
|---|----------|----------|----------------------|--------------------------|--------------------------|----------|-----------------------|-----------------------|------|
| X | 34.8 | 265.14 | 36.82 | 6.17 | 0.37 | 5.06 | 0.00 | 0.44 | 1.01 |
| Y | 19.8 | 147.90 | 35.69 | 7.11 | 0.37 | 5.03 | 0.00 | 0.19 | 1.00 |
| Z | 35.4 | 271.85 | 37.42 | 5.60 | 0.38 | 5.06 | 0.15 | 0.41 | 1.01 |

Other Probe Parameters

| Sensor Arrangement | Triangular |
|-----------------------------------------------|------------|
| Connector Angle (°) | 27.5 |
| 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 |

Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) ^C | Relative Permittivity ^F | Conductivity (S/m) ^F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k=2) |
|----------------------|---------------------------------------|---------------------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 30 | 55.0 | 0.75 | 16.10 | 16.10 | 16.10 | 0.00 | 1.00 | ± 13.3 % |
| 750 | 41.9 | 0.89 | 10.26 | 10.26 | 10.26 | 0.44 | 0.93 | ± 12.0 % |
| 835 | 41.5 | 0.90 | 9.78 | 9.78 | 9.78 | 0.44 | 0.91 | ± 12.0 % |
| 1750 | 40.1 | 1.37 | 8.57 | 8.57 | 8.57 | 0.39 | 0.80 | ± 12.0 % |
| 1900 | 40.0 | 1.40 | 8.18 | 8.18 | 8.18 | 0.39 | 0.80 | ± 12.0 % |
| 2300 | 39.5 | 1.67 | 8.06 | 8.06 | 8.06 | 0.33 | 0.87 | ± 12.0 % |
| 2450 | 39.2 | 1.80 | 7.67 | 7.67 | 7.67 | 0.37 | 0.87 | ± 12.0 % |
| 2600 | 39.0 | 1.96 | 7.44 | 7.44 | 7.44 | 0.40 | 0.88 | ± 12.0 % |
| 5250 | 35.9 | 4.71 | 5.54 | 5.54 | 5.54 | 0.40 | 1.80 | ± 13.1 % |
| 5600 | 35.5 | 5.07 | 4.94 | 4.94 | 4.94 | 0.40 | 1.80 | ± 13.1 % |
| 5750 | 35.4 | 5.22 | 5.23 | 5.23 | 5.23 | 0.40 | 1.80 | ± 13.1 % |

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

measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to \pm 5%. The uncertainty is the RSS of

the ConvF uncertainty for indicated target tissue parameters.

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

Calibration Parameter Determined in Body Tissue Simulating Media

| | | | , , | | alacing m | - | | |
|----------------------|---------------------------------------|------------------------------------|---------|---------|-----------|--------------------|----------------------------|--------------|
| f (MHz) ^c | Relative Permittivity ^F | Conductivity (S/m) ^F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k=2) |
| 750 | 55.5 | 0.96 | 10.05 | 10.05 | 10.05 | 0.50 | 0.80 | ± 12.0 % |
| 835 | 55.2 | 0.97 | 9.78 | 9.78 | 9.78 | 0.40 | 0.93 | ± 12.0 % |
| 1750 | 53.4 | 1.49 | 8.13 | 8.13 | 8.13 | 0.43 | 0.80 | ± 12.0 % |
| 1900 | 53.3 | 1.52 | 7.95 | 7.95 | 7.95 | 0.38 | 0.85 | ± 12.0 % |
| 2300 | 52.9 | 1.81 | 7.76 | 7.76 | 7.76 | 0.44 | 0.85 | ± 12.0 % |
| 2450 | 52.7 | 1.95 | 7.54 | 7.54 | 7.54 | 0.37 | 0.88 | ± 12.0 % |
| 2600 | 52.5 | 2.16 | 7.47 | 7.47 | 7.47 | 0.25 | 1.05 | ± 12.0 % |
| 5250 | 48.9 | 5.36 | 5.08 | 5.08 | 5.08 | 0.50 | 1.90 | ± 13.1 % |
| 5600 | 48.5 | 5.77 | 4.37 | 4.37 | 4.37 | 0.50 | 1.90 | ± 13.1 % |
| 5750 | 48.3 | 5.94 | 4.53 | 4.53 | 4.53 | 0.50 | 1.90 | ± 13.1 % |

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

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 \pm 5%. The uncertainty is the RSS of

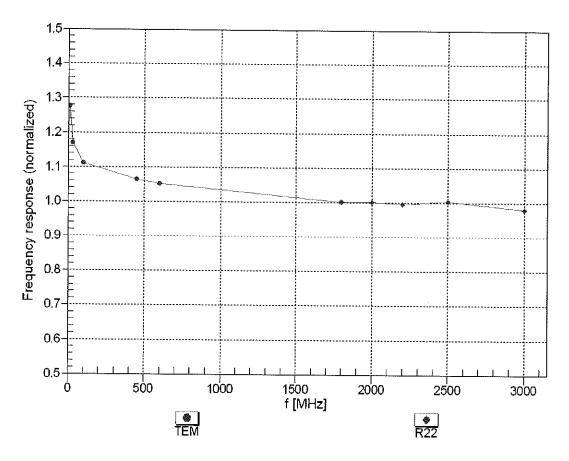
the ConvF uncertainty for indicated target tissue parameters.

A requestion of the convF uncertainty for indicated target tissue parameters.

A lipha/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)

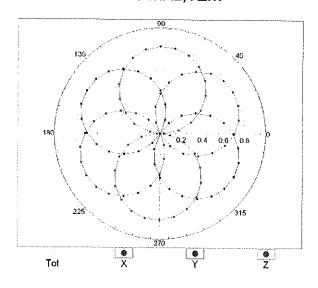


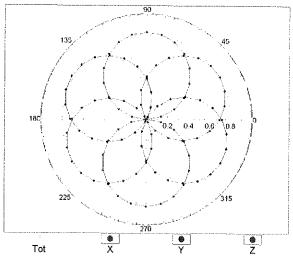
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

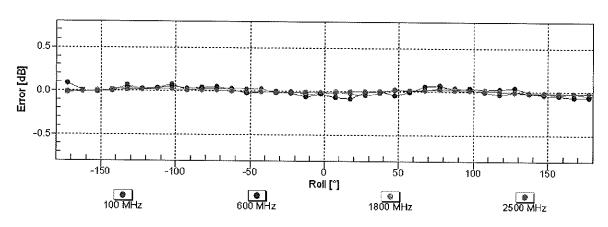
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

f=600 MHz,TEM

f=1800 MHz,R22

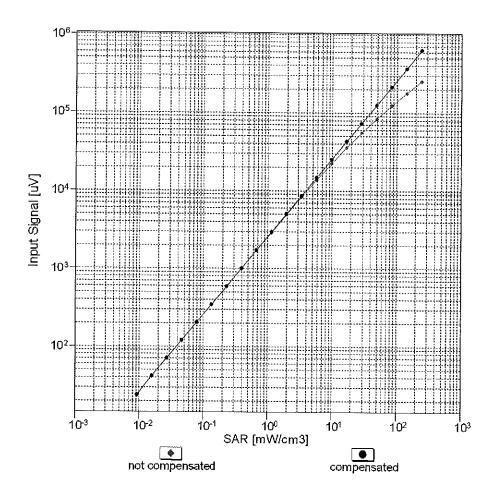


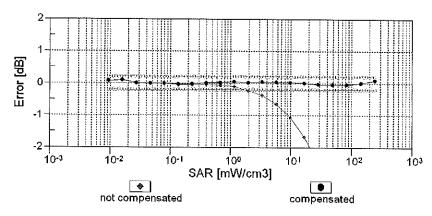




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

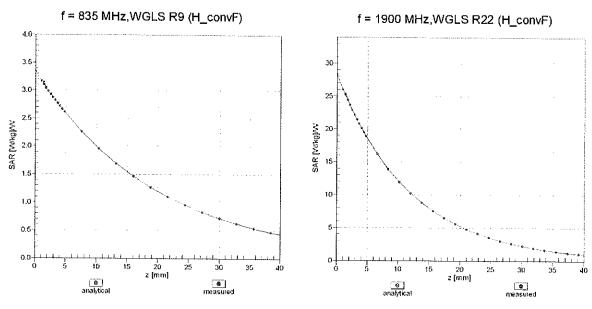
Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



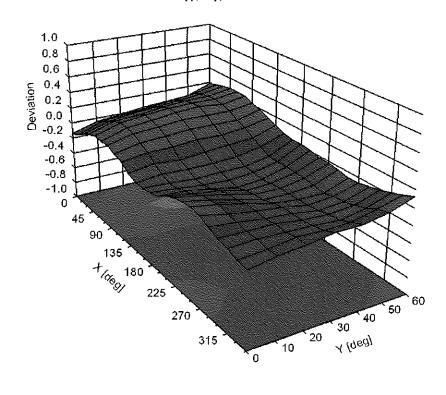


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



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



EX3DV4- SN:7406 May 16, 2019

Appendix: Modulation Calibration Parameters

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^{t:} (k=2) |
|----------------|------------|-----------------------------------------------------------------------|--------------|----------------|----------------------------|
| 0 | | CW | CW | 0.00 | ± 4.7 % |
| 10010 | CAA | SAR Validation (Square, 100ms, 10ms) | Test | 10.00 | ± 9.6 % |
| 10011 | CAB | UMTS-FDD (WCDMA) | WCDMA | 2.91 | ±9.6 % |
| 10012 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) | WLAN | 1.87 | ± 9.6 % |
| 10013 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | WLAN | 9.46 | ± 9.6 % |
| 10021 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ± 9.6 % |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | ± 9.6 % |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM GSM | 6.56 12.62 | ± 9.6 % ± 9.6 % |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0) EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9.55 | ± 9.6 % |
| 10026 10027 | DAC | GPRS-FDD (TDMA, 6PSK, TN 0-1) | GSM | 4.80 | ± 9.6 % |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) | GSM | 3.55 | ± 9.6 % |
| 10028 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 7.78 | ± 9.6 % |
| 10029 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1) | Bluetooth | 5.30 | ± 9.6 % |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3) | Bluetooth | 1.87 | ± 9.6 % |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5) | Bluetooth | 1.16 | ± 9.6 % |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) | Bluetooth | 7.74 | ± 9.6 % |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) | Bluetooth | 4.53 | ± 9.6 % |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5) | Bluetooth | 3.83 | ± 9.6 % |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1) | Bluetooth | 8.01 | ± 9.6 % |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Bluetooth | 4.77 | ± 9.6 % |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5) | Bluetooth | 4.10 | ± 9.6 % |
| 10039 | CAB | CDMA2000 (1xRTT, RC1) | CDMA2000 | 4.57 | ±9.6% |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS | 7.78 | ± 9.6 % |
| 10044 | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM) | AMPS | 0.00 | ± 9.6 % |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | DECT | 13.80 | ± 9.6 % |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | DECT | 10.79 | ± 9.6 % |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps) | TD-SCDMA | 11.01 | ± 9.6 % |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | ± 9.6 % |
| 10059 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) | WLAN | 2.12 | ± 9.6 % |
| 10060 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) | WLAN | 2.83 | ± 9.6 % |
| 10061 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) | WLAN | 3.60 | ± 9.6 % |
| 10062 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) | WLAN | 8.68 | ± 9.6 % |
| 10063 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) | WLAN | 8.63 | ± 9.6 % |
| 10064 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) | WLAN | 9.09 | ±9.6% |
| 10065 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps) | WLAN | 9.00 | ± 9.6 % |
| 10066 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps) | WLAN | 9.38 | ± 9.6 % |
| 10067 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps) | WLAN | 10.12 | ± 9.6 % |
| 10068 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | ± 9.6 % |
| 10069 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) | WLAN | 10.56 | ± 9.6 % |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps) | WLAN | 9,83 | ± 9.6 % |
| 10072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.62 | ± 9.6 % |
| 10073 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | WLAN | 9.94 | ± 9.6 % |
| 10074 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | WLAN | 10.30 | ±9.6 % |
| 10075 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | WLAN | 10.77 | ± 9.6 % |
| 10076 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | WLAN WLAN | 10.94 11.00 | ± 9.6 % ± 9.6 % |
| 10077 | CAB CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) CDMA2000 (1xRTT, RC3) | CDMA2000 | 3.97 | ± 9.6 % |
| | | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS | 4.77 | ± 9.6 % |
| 10082 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 6.56 | ± 9.6 % |
| 10090 | CAB | UMTS-FDD (HSDPA) | WCDMA | 3.98 | ± 9.6 % |
| 10097 | CAB | UMTS-FDD (HSUPA, Subtest 2) | WCDMA | 3.98 | ± 9.6 % |
| 10098 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | GSM | 9.55 | ± 9.6 % |
| 10100 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-FDD | 5.67 | ± 9.6 % |
| 10101 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 % |
| 10101 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
| 10102 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6 % |
| 10104 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.97 | ± 9.6 % |
| 10105 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.01 | ± 9.6 % |
| 10108 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-FDD | 5.80 | ± 9.6 % |
| 10100 | 1 0/10 | 1 2 1 2 1 2 2 1 2 2 1 2 1 2 1 2 1 2 1 2 | 1 : | | |

| 10109 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
|-------|------------|--------------------------------------------------------------------------------------|---------|-------|--------------------|
| 10110 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 % |
| 10111 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.44 | ± 9.6 % |
| 10112 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.59 | ± 9.6 % |
| 10113 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 % |
| 10114 | CAC | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| 10115 | CAC | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | WLAN | 8.46 | ± 9.6 % |
| 10116 | CAC | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN | 8.15 | ± 9.6 % |
| 10117 | CAC | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8.07 | ± 9.6 % |
| 10118 | CAC | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | WLAN | 8.59 | ± 9.6 % |
| 10119 | CAC | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10140 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10141 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.53 | ± 9.6 % |
| 10142 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10143 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.35 | ± 9.6 % |
| 10144 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.65 | ± 9.6 % |
| 10145 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.76 | ± 9.6 % |
| 10146 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.41 | ± 9.6 % |
| 10147 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.72 | ± 9.6 % |
| 10149 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | |
| 10150 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % ± 9.6 % |
| 10151 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-TDD | 9.28 | ±9.6 % |
| 10152 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.92 | |
| 10153 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.05 | ±9.6 % |
| 10154 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | | | ± 9.6 % |
| 10155 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-FDD | 5.75 | ± 9.6 % |
| 10156 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-FDD | 6.43 | ± 9.6 % |
| 10157 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-FDD | 5.79 | ± 9.6 % |
| 10158 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.49 | ±9.6% |
| 10159 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.62 | ±9.6% |
| 10160 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.56 | ± 9.6 % |
| 10161 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-FDD | 5.82 | ± 9.6 % |
| 10162 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10166 | CAF | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-FDD | 6.58 | ±9.6 % |
| 10167 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 5.46 | ± 9.6 % |
| 10168 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.21 | ± 9.6 % |
| 10169 | CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHZ, 64-QAM) | LTE-FDD | 6.79 | ± 9.6 % |
| 10170 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-FDD | 5.73 | ± 9.6 % |
| 10171 | AAE | LTE-PDD (SC-PDMA, 1 RB, 20 MHZ, 16-QAM) | LTE-FDD | 6.52 | ±9.6% |
| 10172 | CAG | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10173 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-TDD | 9.21 | ±9.6 % |
| 10173 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10175 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| | | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10176 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10177 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-FDD | 5.73 | ±9.6% |
| 10178 | CAG CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10179 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10180 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10182 | | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10183 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| | | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10184 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10185 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-FDD | 6.51 | ± 9.6 % |
| 10186 | AAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10187 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10188 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10189 | AAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10193 | CAC | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) | WLAN | 8.09 | ± 9.6 % |
| 10194 | CAC | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | WLAN | 8.12 | ±9.6% |
| 10195 | CAC | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | WLAN | 8.21 | ± 9.6 % |
| 10196 | CAC | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| 10197 | CAC | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10198 | CAC | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) | WLAN | 8.27 | ± 9.6 % |
| 10219 | CAC | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN | 8.03 | ± 9.6 % |
| | | | | | |

May 16, 2019

| 40000 | 040 | IEEE 800 44 n (UT Mixed 42 2 Mbno 46 OAM) | WLAN | 8.13 | ± 9.6 % |
|----------------|-----|---------------------------------------------------------------------------------------|--------------------|---------------|--------------------|
| 10220 10221 | CAC | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) | WLAN | 8.27 | ± 9.6 % |
| 10221 | CAC | IEEE 802.111 (HT Mixed, 72.2 Mbps, 64-QAM) | WLAN | 8.06 | ± 9.6 % |
| 10222 | CAC | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) | WLAN | 8.48 | ± 9.6 % |
| 10224 | CAC | IEEE 802.11n (HT Mixed, 30 Mbps, 64-QAM) | WLAN | 8.08 | ± 9.6 % |
| 10225 | CAB | UMTS-FDD (HSPA+) | WCDMA | 5.97 | ± 9.6 % |
| 10226 | CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.49 | ± 9.6 % |
| 10227 | CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.26 | ± 9.6 % |
| 10228 | CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TDD | 9.22 | ± 9.6 % |
| 10229 | CAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10230 | CAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10231 | CAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-TDD | 9.19 | ± 9.6 % |
| 10232 | CAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-TDD | 9.48 | ±9.6% |
| 10233 | CAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10234 | CAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10235 | CAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10236 | CAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10237 | CAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10238 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10239 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10240 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-TOD | 9.21 | ±9.6% |
| 10241 | CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-TDD LTE-TDD | 9.82 9.86 | ± 9.6 % ± 9.6 % |
| 10242 | CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.46 | ± 9.6 % |
| 10243 | CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QFSK) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10244 10245 | CAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10245 | CAC | LTE-TDD (SC-FDMA, 50 % RB, 3 MHz, QPSK) | LTE-TDD | 9.30 | ±9.6 % |
| 10246 | CAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.91 | ± 9.6 % |
| 10247 | CAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.09 | ± 9.6 % |
| 10249 | CAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6 % |
| 10250 | CAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.81 | ± 9.6 % |
| 10251 | CAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.17 | ± 9.6 % |
| 10252 | CAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TDD | 9.24 | ± 9.6 % |
| 10253 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-TDD | 9.90 | ± 9.6 % |
| 10254 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.14 | ± 9.6 % |
| 10255 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-TDD | 9.20 | ± 9.6 % |
| 10256 | CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.96 | ± 9.6 % |
| 10257 | CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.08 | ± 9.6 % |
| 10258 | CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.34 | ± 9.6 % |
| 10259 | CAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-TDD | 9.98 | ± 9.6 % |
| 10260 | CAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-TDD | 9.97 | ± 9.6 % |
| 10261 | CAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-TDD | 9.24 | ± 9.6 % |
| 10262 | | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.83 | ± 9.6 % |
| 10263 | CAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.16 | ± 9.6 % |
| 10264 | CAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-TDD | 9.23 | ± 9.6 % |
| 10265 | CAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.92 10.07 | ± 9.6 % |
| 10266 10267 | CAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-TDD | 9.30 | ± 9.6 % |
| 10267 | CAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSR) LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10266 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 10-QAM) | LTE-TDD | 10.00 | ± 9.6 % |
| 10269 | CAF | LTE-TDD (SC-PDMA, 100 % RB, 15 MHz, 04-QAM) | LTE-TDD | 9.58 | ± 9.6 % |
| 10274 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) | WCDMA | 4.87 | ± 9.6 % |
| 10275 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | WCDMA | 3.96 | ± 9.6 % |
| 10277 | CAA | PHS (QPSK) | PHS | 11.81 | ± 9.6 % |
| 10278 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5) | PHS | 11.81 | ± 9.6 % |
| 10279 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38) | PHS | 12.18 | ± 9.6 % |
| 10290 | AAB | CDMA2000, RC1, SO55, Full Rate | CDMA2000 | 3.91 | ± 9.6 % |
| 10291 | AAB | CDMA2000, RC3, SO55, Full Rate | CDMA2000 | 3.46 | ± 9.6 % |
| 10292 | AAB | CDMA2000, RC3, SO32, Full Rate | CDMA2000 | 3.39 | ± 9.6 % |
| 10293 | AAB | CDMA2000, RC3, SO3, Full Rate | CDMA2000 | 3.50 | ± 9.6 % |
| 10295 | AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | CDMA2000 | 12.49 | ± 9.6 % |
| 10297 | AAD | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-FDD | 5.81 | ± 9.6 % |
| 10298 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10299 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.39 | ± 9.6 % |

| 40000 | 1 4 4 5 | | | | |
|----------------|------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------|--------------------|
| 10300 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
| 10301 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC) | WiMAX | 12.03 | ± 9.6 % |
| 10302 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL | WiMAX | 12.57 | ± 9.6 % |
| 10303 | AAA | symbols) | | | |
| 10303 | AAA | IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC) | WiMAX | 12.52 | ± 9.6 % |
| 10305 | AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 | WiMAX | 11.86 | ±9.6 % |
| 10000 | 1 | symbols) | WiMAX | 15.24 | ± 9.6 % |
| 10306 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 | 10000000 | ļ.,,,,, | |
| | 7,00 | symbols) | WiMAX | 14.67 | ± 9.6 % |
| 10307 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 | WIMAX | 44.40 | 1.0004 |
| | | symbols) | VVIIVIAA | 14.49 | ± 9.6 % |
| 10308 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) | WiMAX | 14.46 | ± 9.6 % |
| 10309 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 | WIMAX | 14.58 | ± 9.6 % |
| | | symbols) | 1 1111111111111111111111111111111111111 | 14.50 | 1.5.0 76 |
| 10310 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 | WIMAX | 14.57 | ± 9.6 % |
| | | symbols) | | 17.01 | 2 0.0 /0 |
| 10311 | AAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-FDD | 6.06 | ± 9.6 % |
| 10313 | AAA | iDEN 1:3 | iDEN | 10.51 | ± 9.6 % |
| 10314 | AAA | IDEN 1:6 | iDEN | 13.48 | ± 9.6 % |
| 10315 | AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle) | WLAN | 1.71 | ± 9.6 % |
| 10316 | AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) | WLAN | 8.36 | ± 9.6 % |
| 10317 | AAC | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle) | WLAN | 8.36 | ± 9.6 % |
| 10352 10353 | AAA | Pulse Waveform (200Hz, 10%) | Generic | 10.00 | ± 9.6 % |
| | AAA | Pulse Waveform (200Hz, 20%) | Generic | 6.99 | ± 9.6 % |
| 10354 10355 | AAA | Pulse Waveform (200Hz, 40%) | Generic | 3.98 | ± 9.6 % |
| 10356 | AAA | Pulse Waveform (200Hz, 60%) | Generic | 2.22 | ± 9.6 % |
| 10387 | AAA | Pulse Waveform (200Hz, 80%) | Generic | 0.97 | ± 9.6 % |
| 10387 | AAA | QPSK Waveform, 1 MHz QPSK Waveform, 10 MHz | Generic | 5.10 | ± 9.6 % |
| 10396 | AAA | 64-QAM Waveform, 100 kHz | Generic | 5.22 | ± 9.6 % |
| 10399 | AAA | 64-QAM Waveform, 40 MHz | Generic | 6.27 | ± 9.6 % |
| 10400 | AAD | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle) | Generic | 6.27 | ± 9.6 % |
| 10401 | AAD | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.37 | ± 9.6 % |
| 10402 | AAD | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.60 | ± 9.6 % |
| 10403 | AAB | CDMA2000 (1xEV-DO, Rev. 0) | WLAN | 8.53 | ± 9.6 % |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A) | CDMA2000 | 3.76 | ± 9.6 % |
| 10406 | AAB | CDMA2000, RC3, SO32, SCH0, Full Rate | CDMA2000 CDMA2000 | 3.77 | ±9.6 % |
| 10410 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL | LTE-TDD | 5.22 7.82 | ±9.6 % |
| | | Subframe=2,3,4,7,8,9, Subframe Conf=4) | CIETIOD | 1.02 | ±9.6 % |
| 10414 | AAA | WLAN CCDF, 64-QAM, 40MHz | Generic | 8.54 | ± 9.6 % |
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) | WLAN | 1.54 | ± 9.6 % |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) | WLAN | 8.23 | ± 9.6 % |
| 10417 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) | WLAN | 8.23 | ± 9.6 % |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, | WLAN | 8.14 | ± 9.6 % |
| | | Long preambule) | | 0.11 | _ 0.0 % |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, | WLAN | 8.19 | ±9.6% |
| 10100 | | Short preambule) | | | , . |
| 10422 | AAB | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | ± 9.6 % |
| 10423 | AAB | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | WLAN | 8.47 | ± 9.6 % |
| 10424 | AAB | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | WLAN | 8.40 | ± 9.6 % |
| 10425 | AAB | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | WLAN | 8.41 | ± 9.6 % |
| 10426 10427 | AAB | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) | WLAN | 8.45 | ± 9.6 % |
| 10427 | AAB AAD | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) | WLAN | 8.41 | ± 9.6 % |
| 10430 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | LTE-FDD | 8.28 | ± 9.6 % |
| 10431 | AAC | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) | LTE-FDD | 8.38 | ±9.6% |
| 10433 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ± 9.6 % |
| 10434 | AAA | W-CDMA (BS Test Model 1, 64 DPCH) | LTE-FDD | 8.34 | ± 9.6 % |
| 10435 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL | WCDMA | 8.60 | ± 9.6 % |
| | | Subframe=2,3,4,7,8,9) | LTE-TDD | 7.82 | ± 9.6 % |
| 10447 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.50 | 1060/ |
| 10448 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.56 | ± 9.6 % |
| 10449 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | LTE-FDD | 7.53 7.51 | ±9.6 % |
| 10450 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.51 | ± 9.6 % ± 9.6 % |
| | | , , , , , , , , , , , , , , , , , , , | | 7.70 | ± 0.0 /0 |

| 10451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7.59 | ± 9.6 % |
|-------|-----|------------------------------------------------------------------------|----------|------|---------|
| 10456 | AAB | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle) | WLAN | 8.63 | ± 9.6 % |
| 10457 | AAA | UMTS-FDD (DC-HSDPA) | WCDMA | 6.62 | ± 9.6 % |
| 10458 | AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | CDMA2000 | 6.55 | ± 9.6 % |
| 10459 | AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | CDMA2000 | 8.25 | ± 9.6 % |
| 10460 | AAA | UMTS-FDD (WCDMA, AMR) | WCDMA | 2.39 | ± 9.6 % |
| 10461 | AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.82 | ±9.6% |
| 10462 | AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.30 | ±9.6% |
| 10463 | AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.56 | ± 9.6 % |
| 10464 | AAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.82 | ± 9.6 % |
| 10465 | AAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.32 | ± 9.6 % |
| 10466 | AAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.57 | ± 9.6 % |
| 10467 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.82 | ± 9.6 % |
| 10468 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.32 | ± 9.6 % |
| 10469 | AAE | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.56 | ± 9.6 % |
| 10470 | AAE | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.82 | ± 9.6 % |
| 10471 | AAE | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2.3.4.7.8.9) | LTE-TDD | 8.32 | ± 9.6 % |
| 10472 | AAE | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.57 | ± 9.6 % |
| 10473 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.82 | ± 9.6 % |
| 10474 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.32 | ± 9.6 % |
| 10475 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.57 | ± 9.6 % |
| 10477 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.32 | ± 9.6 % |
| 10478 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.57 | ± 9.6 % |
| 10479 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.74 | ± 9.6 % |
| 10480 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.18 | ± 9.6 % |
| 10481 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.45 | ± 9.6 % |
| 10482 | AAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2.3.4.7.8.9) | LTE-TDD | 7.71 | ± 9.6 % |
| 10483 | AAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.39 | ± 9.6 % |
| 10484 | AAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.47 | ± 9.6 % |
| 10485 | AAE | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2.3,4,7,8,9) | LTE-TDD | 7.59 | ± 9.6 % |
| 10486 | AAE | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.38 | ± 9.6 % |
| 10487 | AAE | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.60 | ± 9.6 % |
| 10488 | AAE | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2.3,4,7.8.9) | LTE-TDD | 7.70 | ± 9.6 % |
| 10489 | AAE | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.31 | ± 9.6 % |
| 10490 | AAE | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 8.54 | ± 9.6 % |
| 10491 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | LTE-TDD | 7.74 | ± 9.6 % |

| 10492 | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----------------------------------------------------------------------|----------|------|---------|
| 10493 | 10492 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2.3.4.7.8.9) | LTE-TDD | 8.41 | ± 9.6 % |
| 10494 | 10493 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL | LTE-TDD | 8.55 | ± 9.6 % |
| 10496 | 10494 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL | LTE-TDD | 7.74 | ± 9.6 % |
| 10496 | 10495 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL | LTE-TDD | 8.37 | ± 9.6 % |
| 10497 AAA LITE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL LTE-TDD 7.67 ± 9.6 % Subframe-2,3.4,7.8) 10498 AAA LITE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL LTE-TDD 8.6.8 ± 9.6 % Subframe-2,3.4,7.8) 10500 AAB LITE-TDD (SC-FDMA, 100% RB, 3.4 MHz, QPSK, UL LTE-TDD 7.67 ± 9.6 % Subframe-2,3.4,7.8) 10501 AAB LITE-TDD (SC-FDMA, 100% RB, 3.4 MHz, QPSK, UL LTE-TDD 7.67 ± 9.6 % Subframe-2,3.4,7.8) 10502 AAB LITE-TDD (SC-FDMA, 100% RB, 3.4 MHz, G4-QAM, UL LTE-TDD 8.44 ± 9.6 % Subframe-2,3.4,7.8) 10503 AAE LITE-TDD (SC-FDMA, 100% RB, 3.4 MHz, G4-QAM, UL LTE-TDD 8.52 ± 9.6 % Subframe-2,3.4,7.8) 10504 AAE LITE-TDD (SC-FDMA, 100% RB, 5.4 MHz, G4-QAM, UL LTE-TDD 7.72 ± 9.6 % Subframe-2,3.4,7.8) 10505 AAE LITE-TDD (SC-FDMA, 100% RB, 5.4 MHz, G4-QAM, UL LTE-TDD 8.31 ± 9.6 % Subframe-2,3.4,7.8) 10505 AAE LITE-TDD (SC-FDMA, 100% RB, 5.4 MHz, G4-QAM, UL LTE-TDD 8.54 ± 9.6 % Subframe-2,3.4,7.8) 10506 AAE LITE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL LITE-TDD 8.54 ± 9.6 % Subframe-2,3.4,7.8) 10506 AAE LITE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL LITE-TDD 8.56 % Subframe-2,3.4,7.8) 10507 AAE LITE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL LITE-TDD 8.56 % 5.6 % 10508 AAE LITE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL LITE-TDD 8.56 % 5.6 % 10508 AAE LITE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL LITE-TDD 8.56 % 5.6 % 10508 AAE LITE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL LITE-TDD 8.56 % 5.6 % 10508 AAE LITE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL LITE-TDD 8.56 % 5.6 % 10508 AAE LITE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL LITE-TDD 8.59 % 10509 AAE LITE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL LITE-TDD 8.59 % 10509 AAE LITE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL LITE-TDD 8.59 % 10509 AAE LITE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM, UL LITE-TDD 8.59 % 10509 AAE LI | | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL | LTE-TDD | 8.54 | ± 9.6 % |
| 10498 | | AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL | LTE-TDD | 7.67 | ± 9.6 % |
| Subframe=2,3,4,7,8,9 | | AAA | Subframe=2,3,4,7,8,9) | LTE-TDD | 8.40 | ± 9.6 % |
| Subframe=2,3,4,7,8,9 Subf | | | Subframe=2,3,4,7,8,9) | LTE-TDD | 8.68 | ± 9.6 % |
| Subframe=2,3,4,7,8,9 Subf | | | Subframe=2,3,4,7,8,9) | LTE-TDD | 7.67 | ± 9.6 % |
| Subframe=2,3,4,7,8,9 LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL | | | Subframe=2,3,4,7,8,9) | LTE-TDD | 8.44 | ± 9.6 % |
| Subframe=2,3,4,7,8,9 | | | Subframe=2,3,4,7,8,9) | LTE-TDD | 8.52 | ± 9.6 % |
| Subframe=2,3,4,7,8,9 LTE-TDD S.54 ±9.6 % Subframe=2,3,4,7,8,9 Subframe=2,3,4,7,8,9 LTE-TDD S.55 ±9.6 % Subframe=2,3,4,7,8,9 LTE-TDD S.55 ±9.6 % Subframe=2,3,4,7,8,9 Subframe=2,3,4,7,8,9 LTE-TDD S.55 ±9.6 % Subframe=2,3,4,7,8,9 Subframe=2,3,4,7,8,9 LTE-TDD S.55 ±9.6 % Subframe=2,3,4,7,8,9 Subframe=2,3,4,7,8,9 LTE-TDD SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL LTE-TDD S.55 ±9.6 % Subframe=2,3,4,7,8,9 LTE-TDD SC-FDMA, 100% RB, 15 MHz, QPSK, UL LTE-TDD SC-FDMA, 100% RB, 15 MHz, GPSK, UL LTE-TDD SC-FDMA, 100% RB, 15 MHz, GPSK, UL LTE-TDD SC-FDMA, 100% RB, 15 MHz, GPSK, UL LTE-TDD SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL LTE-TDD SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL LTE-TDD SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL LTE-TDD SC-FDMA, 100% RB, 20 MHz, GPSK, UL LTE-TDD SC-FDMA, | | | Subframe=2,3,4,7,8,9) | LTE-TDD | 7.72 | ± 9.6 % |
| 10506 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL LTE-TDD 8.36 ± 9.6 % Subframe=2,3,4,7,8,9 10507 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL LTE-TDD 8.36 ± 9.6 % Subframe=2,3,4,7,8,9 10508 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL LTE-TDD 8.55 ± 9.6 % Subframe=2,3,4,7,8,9 10509 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL LTE-TDD 8.55 ± 9.6 % 10509 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL LTE-TDD 7.99 ± 9.6 % Subframe=2,3,4,7,8,9 | | | Subframe=2,3,4,7,8,9) | LTE-TDD | 8.31 | ± 9.6 % |
| 10507 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL LTE-TDD S.36 ± 9.6 % Subframe=2,3,4,7,8,9 | | | Subframe=2,3,4,7,8,9) | LTE-TDD | 8.54 | ± 9.6 % |
| 10508 AAE | | | Subframe=2,3,4,7,8,9) | LTE-TDD | 7.74 | ± 9.6 % |
| Subframe=2,3,4,7,8,9 | | | Subframe=2,3,4,7,8,9) | LTE-TDD | 8.36 | ± 9.6 % |
| Subframe=2,3,4,7,8,9 | | | Subframe=2,3,4,7,8,9) | LTE-TDD | 8.55 | ± 9.6 % |
| Subframe=2,3,4,7,8,9 LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL | | | Subframe=2,3,4,7,8,9) | LTE-TDD | 7.99 | ± 9.6 % |
| Subframe=2,3,4,7,8,9 Subf | | | Subframe=2,3,4,7,8,9) | | 8.49 | ±9.6% |
| Subframe=2,3,4,7,8,9 LTE-TDD S.42 | | | Subframe=2,3,4,7,8,9) | | | ± 9.6 % |
| Subframe=2,3,4,7,8,9 Subframe=2,3,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4, | | | Subframe=2,3,4,7,8,9) | | | ± 9.6 % |
| Subframe=2,3,4,7,8,9 Subf | | | Subframe=2,3,4,7,8,9) | | 8,42 | ± 9.6 % |
| 10516 | | | Subframe=2,3,4,7,8,9) | | 8.45 | ± 9.6 % |
| 10516 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) WLAN 1.57 ± 9.6 % 10517 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) WLAN 1.58 ± 9.6 % 10518 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10519 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 ± 9.6 % 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.12 ± 9.6 % 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 7.97 ± 9.6 % 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 ± 9.6 % 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 ± 9.6 % 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.36 | | | IEEE 802.11b Wil-i 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) | WLAN | 1.58 | ± 9.6 % |
| 10517 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) WLAN 1.58 ± 9.6 % 10518 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10519 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 ± 9.6 % 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.12 ± 9.6 % 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 7.97 ± 9.6 % 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 ± 9.6 % 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 ± 9.6 % 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 | | | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) | WLAN | | |
| 10518 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10519 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 ± 9.6 % 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.12 ± 9.6 % 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 7.97 ± 9.6 % 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 ± 9.6 % 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 ± 9.6 % 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % | | | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) | | | |
| 10519 | | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) | | | |
| 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.12 ± 9.6 % 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 7.97 ± 9.6 % 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 ± 9.6 % 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 ± 9.6 % 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10534 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10534 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10534 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10534 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10534 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10534 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10534 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10534 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10534 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10534 AAB IEEE | | | IEEE 802.11a/h WiFi 5 GHz (OFDM 12 Mbps 99ps duty cyclo) | | | |
| 10521 AAB | | | IEEE 802.11a/h WiEi 5 GHz (OEDM 18 Mbps, 20ps duty cycle) | | | |
| 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 7.57 ± 9.6 % 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 ± 9.6 % 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533< | | | IEEE 802 11a/b Wijei 5 CHz (OEDM 24 Mbas 00as district | | | |
| 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 ± 9.6 % 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % | | | IEEE 902 110/b Wift F CUE (OFDM, 24 MDps, 99pc duty cycle) | | | |
| 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 | | | IEEE 202.11a/H WIFT 5 GHz (OFDM, 36 Mpps, 99pc duty cycle) | | | |
| 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.27 ± 9.6 % 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % | | | IEEE 902.44 of WIELE CLY (OFDIN, 48 Mbps, 99pc duty cycle) | | | ± 9.6 % |
| 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % | | | ILLE 002.1 IA/II WIFL 5 GHZ (UFDM, 54 Mbps, 99pc duty cycle) | | 8.27 | |
| 10526 AAB IEEE 802.11ac WIFI (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10527 AAB IEEE 802.11ac WiFI (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFI (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFI (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFI (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFI (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10534 AAB IEEE 802.11ac WiFI (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % | | | IEEE OUZ. ITAC WIFT (ZUMHZ, MCSO, 99pc duty cycle) | | 8.36 | ± 9.6 % |
| 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % | | | IEEE 802.11ac WIFI (20MHz, MCS1, 99pc duty cycle) | WLAN | 8.42 | ± 9.6 % |
| 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10534 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % | | | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) | WLAN | | |
| 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % | | | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) | | | |
| 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % | | AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) | | | |
| 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % | 10531 | AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) | | | |
| 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % | 10532 | AAB | IEEE 802.11ac WiFi (20MHz, MCS7, 99nc duty cycle) | | | |
| 10524 AAB FEE 202 44 - NET (40 ML 140 22 22 22 22 22 22 22 22 22 22 22 22 22 | | | IEEE 802.11ac WiFi (20MHz, MCS8, 99nc duty cycle) | | | |
| 19.6 % | | | IEEE 802.11ac WiFi (40MHz, MCS0, 99nc duty cycle) | | | |
| | Υ | | ,, | VV L/VIN | 0.40 | I 9.0 % |

May 16, 2019

| 10535 | AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle) | WLAN | 8.45 | ±9.6% |
|-------|----------|------------------------------------------------------------------|--------|------|----------|
| 10536 | AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle) | WLAN | 8.32 | ±9.6 % |
| 10537 | AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle) | WLAN | 8,44 | ±9.6% |
| 10538 | AAB | IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle) | WLAN | 8.54 | ± 9.6 % |
| 10540 | AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle) | WLAN | 8.39 | ±9.6% |
| 10541 | AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle) | WLAN | 8.46 | ± 9.6 % |
| 10542 | AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle) | WLAN | 8.65 | ± 9.6 % |
| 10542 | AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle) | WLAN | 8.65 | ± 9.6 % |
| 10544 | AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle) | WLAN | 8.47 | ±9.6% |
| 10544 | AAB | IEEE 802.11ac WiF (80MHz, MCS1, 99pc duty cycle) | WLAN | 8.55 | ±9.6% |
| 10545 | AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle) | WLAN | 8.35 | ± 9.6 % |
| | | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle) | WLAN | 8.49 | ± 9.6 % |
| 10547 | AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle) | WLAN | 8.37 | ± 9.6 % |
| 10548 | AAB | | WLAN | 8.38 | ± 9.6 % |
| 10550 | AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle) | | | |
| 10551 | AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle) | WLAN | 8.50 | ±9.6% |
| 10552 | AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle) | WLAN | 8.42 | ± 9.6 % |
| 10553 | AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle) | WLAN | 8.45 | ± 9.6 % |
| 10554 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle) | WLAN | 8.48 | ± 9.6 % |
| 10555 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle) | WLAN | 8.47 | ±9.6% |
| 10556 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle) | WLAN | 8.50 | ± 9.6 % |
| 10557 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) | WLAN | 8.52 | ±9.6 % |
| 10558 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle) | WLAN | 8.61 | ± 9.6 % |
| 10560 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle) | WLAN | 8.73 | ± 9.6 % |
| 10561 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle) | WLAN | 8.56 | ± 9.6 % |
| 10562 | AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle) | WLAN | 8.69 | ± 9.6 % |
| 10563 | AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle) | WLAN | 8.77 | ± 9.6 % |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty | WLAN | 8.25 | ± 9.6 % |
| | | cycle) | | | |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty | WLAN | 8.45 | ± 9.6 % |
| | | cycle) | , | | |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty | WLAN | 8.13 | ± 9.6 % |
| | | cycle) | | | |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty | WLAN | 8.00 | ± 9.6 % |
| | <u> </u> | cycle) | | | |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty | WLAN | 8.37 | ± 9.6 % |
| | | cycle) | | | |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty | WLAN | 8.10 | ± 9.6 % |
| | | cycle) | | | |
| 10570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty | WLAN | 8.30 | ± 9.6 % |
| | | cycle) | | | |
| 10571 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) | WLAN | 1.99 | ± 9.6 % |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) | WLAN | 1.99 | ± 9.6 % |
| 10573 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) | WLAN | 1.98 | ± 9.6 % |
| 10574 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) | WLAN | 1.98 | ± 9.6 % |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty | WLAN | 8.59 | ± 9.6 % |
| ,03,0 | ' " " ' | cycle) | | | |
| 10576 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty | WLAN | 8.60 | ± 9.6 % |
| 10070 | '''' | cycle) | | | |
| 10577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty | WLAN | 8.70 | ± 9.6 % |
| 10011 | ' ' ' ' | cycle) | | | |
| 10578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty | WLAN | 8.49 | ± 9.6 % |
| 10070 | / / / / | cycle) | | | |
| 10579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty | WLAN | 8.36 | ± 9.6 % |
| 10373 | /// | cycle) | , | | |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty | WLAN | 8.76 | ± 9.6 % |
| 10000 | 1,757 | cycle) | 1.0.11 | 55 | |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty | WLAN | 8.35 | ± 9.6 % |
| 10001 | 1 | cycle) | "" | 0.00 | |
| 10592 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty | WLAN | 8.67 | ± 9.6 % |
| 10582 | ^^^ | 1 | 1104 | 5.01 | = 0.0 /0 |
| 10502 | A A E | cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) | WLAN | 8.59 | ± 9.6 % |
| 10583 | AAB | | WLAN | 8.60 | ± 9.6 % |
| 10584 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) | | | |
| 10585 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) | WLAN | 8.70 | ±9.6% |
| 10586 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) | WLAN | 8.49 | ± 9.6 % |
| 10587 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) | WLAN | 8.36 | ± 9.6 % |

| 10688 | 40500 | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------|-------------------------------------------------------------|---------|--------------|---------|
| 10869 AA8 | 10588 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) | WLAN | 8.76 | ± 9.6 % |
| 10599 AAB IEEE 802.11qht WiFi GHz (CPDM, 54 Mbps, 80pc duty cycle) | 10589 | AAB | IEEE 802,11a/h WiFi 5 GHz (OFDM, 48 Mhps, 90pc duty cycle) | | | |
| 10592 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle) WLAN 8.79 9.6 % 10593 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle) WLAN 8.74 19.6 % 10594 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle) WLAN 8.74 19.6 % 10595 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) WLAN 8.74 19.6 % 10595 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) WLAN 8.74 19.6 % 10595 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) WLAN 8.71 19.6 % 10595 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle) WLAN 8.72 19.6 % 10595 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle) WLAN 8.72 19.6 % 10595 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle) WLAN 8.70 19.6 % 10595 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) WLAN 8.70 19.6 % 10500 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) WLAN 8.70 19.6 % 10500 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) WLAN 8.82 19.6 % 10500 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) WLAN 8.82 19.6 % 10500 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) WLAN 8.82 19.6 % 10500 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) WLAN 8.94 9.6 % 10500 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) WLAN 8.97 29.6 % 105000 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) WLAN 8.77 29.6 % 105000 AAB IEEE 802.11a WHT (ICMHz, MCS6, 90pc duty cycle) WLAN 8.77 29.6 % 105000 AAB IEEE 802.11a WHT (ICMHz, MCS6, 90pc duty cycle) WLAN 8.77 29.6 % 105000 AAB IEEE 802.11ac WHT (ICMHz, MCS6, 90pc duty cycle) WLAN 8.77 29.6 % 105000 AAB IEEE 802.11ac WHT (ICMHz, MCS6, 90pc duty cycle) WLAN 8.87 29.6 % 105000 AAB IEEE 802.11ac WHT (ICMHz, MCS6, 90pc duty cycle) WLAN 8.77 29.6 % 1050000 AAB IEEE | | | IEEE 802 11a/h WiEi 5 CHz (OEDM 54 Mhno, Oong duty gyolo) | | | |
| 19592 | | | TEEL 002.11am Will J GHZ (OFDIW, 34 WIDDS, 90PC duty cycle) | | | |
| 1998 | | | IEEE 802.T1n (H1 Mixed, 20MHz, MCS0, 90pc duty cycle) | | 8.63 | ± 9.6 % |
| 19593 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) WILAN 8,44 9,6 % 10596 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle) WILAN 8,74 9,6 % 10596 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle) WILAN 8,74 9,6 % 10597 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle) WILAN 8,74 9,6 % 10599 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle) WILAN 8,72 9,6 % 10599 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle) WILAN 8,872 9,6 % 10599 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle) WILAN 8,872 9,6 % 10500 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle) WILAN 8,89 9,6 % 10500 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) WILAN 8,82 9,9 6 % 10500 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) WILAN 8,82 9,9 6 % 10500 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) WILAN 8,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 9,90 | | | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle) | WLAN | 8.79 | ± 9.6 % |
| 10594 AAB | 10593 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle) | | | |
| 10595 | 10594 | | IEEE 802 11n (HT Mixed, 20MHz, MCS2, 00pc duty cycle) | | | |
| 10596 | | | IEEE 902.44= (IT Mixed, 20MHz, MOSS, SOPE daty cycle) | | | |
| 10997 AAB | | | TEEE 802.11ft (HT MIXED, 20MHZ, MCS4, 90pc duty cycle) | | 8.74 | ±9.6 % |
| 10597 AAB IEEE 802.11n (HT Mixed, 20MHz, MCSR, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10599 AAB IEEE 802.11n (HT Mixed, 20MHz, MCSP, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10600 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSP, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10600 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSP, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10601 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSP, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10602 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSP, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10603 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSP, 90pc duty cycle) WLAN 8.02 ± 9.6 % 10603 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSP, 90pc duty cycle) WLAN 9.03 ± 9.6 % 10604 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSP, 90pc duty cycle) WLAN 9.03 ± 9.6 % 10604 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSP, 90pc duty cycle) WLAN 8.07 ± 9.6 % 10606 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSP, 90pc duty cycle) WLAN 8.07 ± 9.6 % 10606 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSP, 90pc duty cycle) WLAN 8.07 ± 9.6 % 10606 AAB IEEE 802.11nc Wiff (20MHz, MCSP, 90pc duty cycle) WLAN 8.07 ± 9.6 % 10606 AAB IEEE 802.11nc Wiff (20MHz, MCSP, 90pc duty cycle) WLAN 8.07 ± 9.6 % 10606 AAB IEEE 802.11nc Wiff (20MHz, MCSP, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10610 AAB IEEE 802.11nc Wiff (20MHz, MCSP, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10610 AAB IEEE 802.11nc Wiff (20MHz, MCSP, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10610 AAB IEEE 802.11nc Wiff (20MHz, MCSP, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10610 AAB IEEE 802.11nc Wiff (20MHz, MCSP, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10610 AAB IEEE 802.11nc Wiff (20MHz, MCSP, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10610 AAB IEEE 802.11nc Wiff (20MHz, MCSP, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10610 AAB IEEE 802.11nc Wiff (40MHz, MCSP, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10610 AAB IE | | | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle) | WLAN | 8.71 | ±9.6% |
| 10598 | 10597 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90nc duty cycle) | | | |
| 1959 AAB IEEE 802.11n (HT Mised, 40MHz, MCS), 90pc duty cycle) WILAN 8.79 ±9.6 % 1960 AAB IEEE 802.11n (HT Mised, 40MHz, MCS2, 90pc duty cycle) WILAN 8.84 ±9.6 % 1960 AAB IEEE 802.11n (HT Mised, 40MHz, MCS2, 90pc duty cycle) WILAN 8.94 ±9.6 % 1960 AAB IEEE 802.11n (HT Mised, 40MHz, MCS2, 90pc duty cycle) WILAN 8.94 ±9.6 % 1960 AAB IEEE 802.11n (HT Mised, 40MHz, MCS3, 90pc duty cycle) WILAN 8.94 ±9.6 % 1960 AAB IEEE 802.11n (HT Mised, 40MHz, MCS3, 90pc duty cycle) WILAN 8.76 ±9.6 % 1960 AAB IEEE 802.11n (HT Mised, 40MHz, MCS3, 90pc duty cycle) WILAN 8.76 ±9.6 % 1960 AAB IEEE 802.11n (HT Mised, 40MHz, MCS3, 90pc duty cycle) WILAN 8.77 ±9.6 % 1960 AAB IEEE 802.11n (HT Mised, 40MHz, MCS7, 90pc duty cycle) WILAN 8.92 ±9.6 % 1960 AAB IEEE 802.11n (HT Mised, 40MHz, MCS7, 90pc duty cycle) WILAN 8.97 ±9.6 % 1960 AAB IEEE 802.11n (HT Mised, 40MHz, MCS7, 90pc duty cycle) WILAN 8.97 ±9.6 % 1960 AAB IEEE 802.11n (HT Mised, 40MHz, MCS7, 90pc duty cycle) WILAN 8.77 ±9.6 % 1960 AAB IEEE 802.11n (WH ZMWZ, MCS1, 90pc duty cycle) WILAN 8.77 ±9.6 % 1960 AAB IEEE 802.11nc WH ZMWZ, WILAN 8.97 ±9.6 % 1960 AAB IEEE 802.11nc WH ZMWZ, WILAN 8.97 ±9.6 % 1960 AAB IEEE 802.11nc WH ZMWZ, WILAN 8.97 ±9.6 % 1960 AAB IEEE 802.11nc WH ZMWZ, WILAN 8.97 ±9.6 % 1960 AAB IEEE 802.11nc WH ZMWZ, WILAN 8.97 ±9.6 % 1960 AAB IEEE 802.11nc WH ZMWZ, WILAN 8.97 ±9.6 % 1960 AAB IEEE 802.11nc WHZ, WILAN 8.97 ±9.6 % 1960 AAB IEEE 802.11nc WHZ, WILAN 8.97 ±9.6 % 1960 AAB IEEE 802.11nc WHZ, WILAN 8.97 ±9.6 % 1960 AAB IEEE 802.11nc WHZ, WILAN 8.97 ±9.6 % 1960 WILAN 8.97 ±9.6 % 1960 AAB IEEE 802.11nc WHZ, WILAN 8.98 ±9.6 % 1960 WILAN 8.82 ±9.6 % 1960 AAB IEEE 802.11nc WHZ, WILAN 8.90 ±9.6 % 1960 WILAN 8.82 ±9.6 % 1960 AAB IEEE 802.11nc | 10598 | AAR | IEEE 802 11n (HT Miyed, 20MHz, MCS7, 90nc duty cycle) | | | |
| 19600 AAB IEEE 802.11n (FT Mised, 40MHz, MCS1, 90pc duty cycle) WLAN 8.28 ±9.6 % 19601 AAB IEEE 802.11n (FT Mised, 40MHz, MCS2, 90pc duty cycle) WLAN 8.28 ±9.6 % 19602 AAB IEEE 802.11n (FT Mised, 40MHz, MCS3, 90pc duty cycle) WLAN 9.03 ±9.6 % 19604 AAB IEEE 802.11n (FT Mised, 40MHz, MCS3, 50pc duty cycle) WLAN 9.03 59.6 % 19604 AAB IEEE 802.11n (FT Mised, 40MHz, MCS3, 50pc duty cycle) WLAN 9.03 59.6 % 19606 AAB IEEE 802.11n (FT Mised, 40MHz, MCS3, 50pc duty cycle) WLAN 8.77 ±9.6 % 19606 AAB IEEE 802.11n (FT Mised, 40MHz, MCS3, 50pc duty cycle) WLAN 8.97 ±9.6 % 19606 AAB IEEE 802.11n (FT Mised, 40MHz, MCS3, 50pc duty cycle) WLAN 8.97 ±9.6 % 19606 AAB IEEE 802.11n (FT Mised, 40MHz, MCS3, 50pc duty cycle) WLAN 8.97 ±9.6 % 19606 AAB IEEE 802.11n (FT Mised, 40MHz, MCS3, 50pc duty cycle) WLAN 8.64 ±9.6 % 19606 AAB IEEE 802.11ne WFI (20MHz, MCS3, 50pc duty cycle) WLAN 8.67 ±9.6 % 19606 AAB IEEE 802.11ne WFI (20MHz, MCS3, 50pc duty cycle) WLAN 8.67 ±9.6 % 19606 AAB IEEE 802.11ne WFI (20MHz, MCS3, 50pc duty cycle) WLAN 8.77 ±9.6 % 19606 AAB IEEE 802.11ne WFI (20MHz, MCS3, 50pc duty cycle) WLAN 8.77 ±9.6 % 19616 AAB IEEE 802.11ne WFI (20MHz, MCS4, 50pc duty cycle) WLAN 8.70 ±9.6 % 19616 AAB IEEE 802.11ne WFI (20MHz, MCS6, 50pc duty cycle) WLAN 8.70 ±9.6 % 19616 AAB IEEE 802.11ne WFI (20MHz, MCS6, 50pc duty cycle) WLAN 8.70 ±9.6 % 19616 AAB IEEE 802.11ne WFI (20MHz, MCS6, 50pc duty cycle) WLAN 8.96 ±9.6 % 19616 AAB IEEE 802.11ne WFI (20MHz, MCS6, 50pc duty cycle) WLAN 8.96 ±9.6 % 19616 AAB IEEE 802.11ne WFI (20MHz, MCS6, 50pc duty cycle) WLAN 8.96 ±9.6 % 19616 AAB IEEE 802.11ne WFI (20MHz, MCS6, 50pc duty cycle) WLAN 8.96 ±9.6 % 19616 AAB IEEE 802.11ne WFI (40MHz, MCS6, 50pc duty cycle) WLAN 8.96 ±9.6 % 19616 AAB IEEE 802.11ne WFI (40MHz, MCS6, 50pc duty cy | | | IEEE 802 11p (UT Mixed, 20MHz, MOO7, 30pc daty cycle) | | | |
| 19601 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) WLAN 8.82 49.6 % 19603 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) WLAN 8.94 49.6 % 19603 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) WLAN 8.76 49.6 % 19605 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) WLAN 8.76 49.6 % 19605 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle) WLAN 8.77 49.6 % 19606 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle) WLAN 8.97 49.6 % 19606 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) WLAN 8.92 49.6 % 19606 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) WLAN 8.97 49.6 % 19606 AAB IEEE 802.11n (WHT Mixed, 40MHz, MCS7, 90pc duty cycle) WLAN 8.77 49.6 % 19608 AAB IEEE 802.11n (WHT Mixed, 40MHz, MCS7, 90pc duty cycle) WLAN 8.77 49.6 % 19608 AAB IEEE 802.11n (WHT (20MHz, MCS3, 90pc duty cycle) WLAN 8.77 49.6 % 19601 AAB IEEE 802.11n (WHT (20MHz, MCS3, 90pc duty cycle) WLAN 8.78 49.6 % 19610 AAB IEEE 802.11nc WHT (20MHz, MCS3, 90pc duty cycle) WLAN 8.78 49.6 % 19610 AAB IEEE 802.11nc WHT (20MHz, MCS5, 90pc duty cycle) WLAN 8.77 49.6 % 19610 AAB IEEE 802.11nc WHT (20MHz, MCS5, 90pc duty cycle) WLAN 8.77 49.6 % 19610 AAB IEEE 802.11nc WHT (20MHz, MCS5, 90pc duty cycle) WLAN 8.77 49.6 % 19610 AAB IEEE 802.11nc WHT (20MHz, MCS5, 90pc duty cycle) WLAN 8.79 49.6 % 19610 AAB IEEE 802.11nc WHT (20MHz, MCS5, 90pc duty cycle) WLAN 8.69 49.6 % 19610 AAB IEEE 802.11nc WHT (40MHz, MCS5, 90pc duty cycle) WLAN 8.80 49.6 % 19610 AAB IEEE 802.11nc WHT (40MHz, MCS5, 90pc duty cycle) WLAN 8.81 49.6 % 19610 AAB IEEE 802.11nc WHT (40MHz, MCS9, 90pc duty cycle) WLAN 8.81 49.6 % 19610 AAB IEEE 802.11nc WHT (40MHz, MCS9, 90pc duty cycle) WLAN 8.81 49.6 % 19610 AAB IEEE 802.11nc WHT (40MHz, MCS9, 90pc duty | | | IEEE 002.1111 (HT MIXED, 40MHZ, MCSU, 90pc duty cycle) | | | |
| 10602 | | | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle) | WLAN | 8.88 | ± 9.6 % |
| 10602 AAB | 10601 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) | WLAN | 8.82 | |
| 10603 AAB | 10602 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90nc duty cycle) | | | |
| 19604 AAB | | | IEEE 802 11p (HT Mixed, 40MHz, MCS4, 00pe duty syste) | | | |
| 10806 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSF, 90pc duty cycle) WLAN 8.97 ± 9.6 % 10807 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSF, 90pc duty cycle) WLAN 8.62 ± 9.6 % 10807 AAB IEEE 802.11nc WiFi (20MHz, MCSF, 90pc duty cycle) WLAN 8.64 ± 9.6 % 10809 AAB IEEE 802.11nc WiFi (20MHz, MCSF, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10809 AAB IEEE 802.11nc WiFi (20MHz, MCSF, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10810 AAB IEEE 802.11nc WiFi (20MHz, MCSF, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10811 AAB IEEE 802.11nc WiFi (20MHz, MCSF, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10812 AAB IEEE 802.11nc WiFi (20MHz, MCSF, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10812 AAB IEEE 802.11nc WiFi (20MHz, MCSF, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10814 AAB IEEE 802.11nc WiFi (20MHz, MCSF, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10814 AAB IEEE 802.11nc WiFi (20MHz, MCSF, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10814 AAB IEEE 802.11nc WiFi (20MHz, MCSF, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10816 AAB IEEE 802.11nc WiFi (40MHz, MCSF, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10816 AAB IEEE 802.11nc WiFi (40MHz, MCSF, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10818 AAB IEEE 802.11nc WiFi (40MHz, MCSF, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10819 AAB IEEE 802.11nc WiFi (40MHz, MCSF, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10819 AAB IEEE 802.11nc WiFi (40MHz, MCSF, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10820 AAB IEEE 802.11nc WiFi (40MHz, MCSF, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10820 AAB IEEE 802.11nc WiFi (40MHz, MCSF, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10820 AAB IEEE 802.11nc WiFi (40MHz, MCSF, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10820 AAB IEEE 802.11nc WiFi (40MHz, MCSF, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10820 AAB IEEE 802.11nc WiFi (40MHz, MCSF, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10820 AAB IEEE 802.11nc WiFi (80MHz, MCSF, 90pc duty | | | IEEE 002.111 (111 MIXEU, 40MI IZ, MCG4, 90pc duty cycle) | | | |
| 10606 | | | TEEE 802.11n (HT MIXEd, 40MHz, MCS5, 90pc duty cycle) | | 8.76 | ± 9.6 % |
| 10606 | | | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) | WLAN | 8.97 | ± 9.6 % |
| 10607 AAB IEEE 802.11ac WIFI (20MHz, MCS0, 90pc duty cycle) WLAN 8.64 ± 9.6 % 10608 AAB IEEE 802.11ac WIFI (20MHz, MCS2, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10609 AAB IEEE 802.11ac WIFI (20MHz, MCS2, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10610 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 90pc duty cycle) WLAN 8.78 ± 9.6 % 10611 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10612 AAB IEEE 802.11ac WIFI (20MHz, MCS5, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10612 AAB IEEE 802.11ac WIFI (20MHz, MCS5, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10614 AAB IEEE 802.11ac WIFI (20MHz, MCS7, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10614 AAB IEEE 802.11ac WIFI (20MHz, MCS7, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10616 AAB IEEE 802.11ac WIFI (20MHz, MCS7, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10616 AAB IEEE 802.11ac WIFI (40MHz, MCS7, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10616 AAB IEEE 802.11ac WIFI (40MHz, MCS0, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10618 AAB IEEE 802.11ac WIFI (40MHz, MCS1, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10619 AAB IEEE 802.11ac WIFI (40MHz, MCS2, 90pc duty cycle) WLAN 8.58 ± 9.6 % 10620 AAB IEEE 802.11ac WIFI (40MHz, MCS2, 90pc duty cycle) WLAN 8.58 ± 9.6 % 10620 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10620 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10622 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10622 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle) WLAN 8.88 ± 9.6 % 10623 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle) WLAN 8.88 ± 9.6 % 10624 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle) WLAN 8.88 ± 9.6 % 10626 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle) WLAN 8.88 ± 9.6 % 10626 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty c | 10606 | AAB | IEEE 802,11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) | | | |
| 10608 | 10607 | | IEEE 802.11ac WiFi (20MHz, MCS0, 90nc duty cyclo) | | | |
| 10609 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle) WLAN 8.57 ±9.6 % 10610 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) WLAN 8.78 ±9.6 % 10612 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) WLAN 8.77 ±9.6 % 10612 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle) WLAN 8.77 ±9.6 % 10614 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle) WLAN 8.77 ±9.6 % 10614 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle) WLAN 8.59 ±9.6 % 10614 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle) WLAN 8.59 ±9.6 % 10616 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle) WLAN 8.62 ±9.6 % 10616 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) WLAN 8.62 ±9.6 % 10617 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) WLAN 8.62 ±9.6 % 10619 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) WLAN 8.81 ±9.6 % 10619 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) WLAN 8.58 ±9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) WLAN 8.58 ±9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) WLAN 8.67 ±9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) WLAN 8.67 ±9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.67 ±9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.67 ±9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.68 ±9.6 % 10623 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.68 ±9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.68 ±9.6 % 10625 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.68 ±9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.88 ±9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ±9.6 % | | | IEEE 902 44cc Milli (20MHz, MOOd, 30pt daty cycle) | | | |
| 10610 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) WLAN 8.76 ±9.6 % 10611 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle) WLAN 8.77 ±9.6 % 10613 AAB IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) WLAN 8.77 ±9.6 % 10613 AAB IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) WLAN 8.79 ±9.6 % 10613 AAB IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) WLAN 8.59 ±9.6 % 10615 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) WLAN 8.59 ±9.6 % 10616 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle) WLAN 8.62 ±9.6 % 10616 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.62 ±9.6 % 10616 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.61 ±9.6 % 10618 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) WLAN 8.61 ±9.6 % 10618 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) WLAN 8.68 ±9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) WLAN 8.68 ±9.6 % 10621 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) WLAN 8.67 ±9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.67 ±9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.67 ±9.6 % 10623 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.68 ±9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) WLAN 8.68 ±9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) WLAN 8.82 ±9.6 % 10626 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) WLAN 8.82 ±9.6 % 10626 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) WLAN 8.84 ±9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.84 ±9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.84 ±9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.85 ±9.6 % | | | IEEE 602.11ac WIFI (20MHZ, MCS1, 90pc duty cycle) | | 8.77 | ± 9.6 % |
| 10610 AAB IEEE 802.11ac WiFi (20MHz, MCSS, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10612 AAB IEEE 802.11ac WiFi (20MHz, MCSS, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10613 AAB IEEE 802.11ac WiFi (20MHz, MCSS, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10614 AAB IEEE 802.11ac WiFi (20MHz, MCSS, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10615 AAB IEEE 802.11ac WiFi (20MHz, MCSS, 90pc duty cycle) WLAN 8.52 ± 9.6 % 10615 AAB IEEE 802.11ac WiFi (20MHz, MCSS, 90pc duty cycle) WLAN 8.62 ± 9.6 % 10616 AAB IEEE 802.11ac WiFi (20MHz, MCSS, 90pc duty cycle) WLAN 8.62 ± 9.6 % 10617 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.61 ± 9.6 % 10618 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.61 ± 9.6 % 10618 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.61 ± 9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.68 ± 9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10623 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.68 ± 9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10625 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCSS, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCSS, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCSS, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCSS, 90pc duty cycle) | | | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle) | WLAN | 8.57 | |
| 10611 | | AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) | | | +96% |
| 10612 AAB IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) WLAN 8.77 4.9.6 % 10613 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle) WLAN 8.94 4.9.6 % 10614 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) WLAN 8.95 4.9.6 % 10615 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) WLAN 8.82 4.9.6 % 10616 AAB IEEE 802.11ac WiFi (20MHz, MCS9, 90pc duty cycle) WLAN 8.82 4.9.6 % 10617 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.82 4.9.6 % 10617 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.81 4.9.6 % 10618 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.85 4.9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.87 4.9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.87 4.9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) WLAN 8.68 4.9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) WLAN 8.68 4.9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) WLAN 8.68 4.9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) WLAN 8.68 4.9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.68 4.9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.82 4.9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.96 4.9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.96 4.9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.96 4.9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 4.9.6 % 10628 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 4.9.6 % 10628 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) | 10611 | | IEEE 802.11ac WiFi (20MHz, MCS4, 90nc duty cycle) | | | |
| 10613 | | | IEEE 802 11ac WiEi (20MU- MOCE One duty cycle) | | | |
| 10614 | | | HEEF 902 44cc WIFT (20MIT), WICOD, SUPC GUTY CYCIE) | | | |
| 10614 AAB | | | IEEE 802.11ac WIFI (20MHz, MCS6, 90pc duty cycle) | WLAN | 8.94 | ±9.6 % |
| 10615 | | AAB | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) | WLAN | 8.59 | |
| 10616 | 10615 | AAB | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle) | | | |
| 10617 AAB | 10616 | AAB | IEEE 802 11ac WiEi (40MHz, MCS0, 90pc duty cyclo) | | | |
| 10618 | | | IEEE 902.11ab VVII 1 (40MI) - MCC4.00 | | | |
| 10619 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10620 AAB IEEE 802.11ac WIFI (40MHz, MCS4, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10621 AAB IEEE 802.11ac WIFI (40MHz, MCS6, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10622 AAB IEEE 802.11ac WIFI (40MHz, MCS6, 90pc duty cycle) WLAN 8.68 ± 9.6 % 10623 AAB IEEE 802.11ac WIFI (40MHz, MCS6, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10623 AAB IEEE 802.11ac WIFI (40MHz, MCS6, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10624 AAB IEEE 802.11ac WIFI (40MHz, MCS8, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10625 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10628 AAB IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10629 AAB IEEE 802.11ac WIFI (80MHz, MCS1, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10629 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10630 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10631 AAB IEEE 802.11ac WIFI (80MHz, MCS5, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10633 AAB IEEE 802.11ac WIFI (80MHz, MCS5, 90pc duty cycle) WLAN 8.74 ± 9.6 % 10633 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10633 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10633 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10633 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAC IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAC IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10643 AAC IEEE 8 | | | IEEE 602.11ac WIFT (40WIHZ, MCS1, 90pc duty cycle) | WLAN | 8.81 | ± 9.6 % |
| 10619 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) WLAN 8.68 ± 9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10625 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10625 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10627 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10629 AAB IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10629 AAB IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10630 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.74 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10634 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90 | | | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) | WLAN | 8.58 | ±9.6% |
| 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) WLAN 8.77 | | AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) | | | |
| 10621 AAB IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) WLAN 8.68 ± 9.6 % 10623 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10625 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10628 AAB IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10628 AAB IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10630 AAB IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAC IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAC IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10634 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10634 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle | 10620 | AAB | IEEE 802 11ac WiFi (40MHz, MCS4, 90pc duty cycle) | | | |
| 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) WLAN 8.68 ± 9.6 % 10623 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10625 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10628 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10628 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10629 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10630 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.74 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.74 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10635 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10636 AAC IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10637 AAC IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10638 AAC IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cyc | | | IEEE 802 11co Mile (40MHz, MOOF, 00pc daty cycle) | | | |
| 10623 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle) WLAN 8.82 ±9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) WLAN 8.96 ±9.6 % 10625 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.96 ±9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ±9.6 % 10627 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ±9.6 % 10627 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ±9.6 % 10628 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.71 ±9.6 % 10629 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.71 ±9.6 % 10630 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.72 ±9.6 % 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.72 ±9.6 % 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 % 10632 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.81 ±9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.83 ±9.6 % 10635 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.80 ±9.6 % 10636 AAC IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ±9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.81 ±9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.85 ±9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.85 ±9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.85 ±9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.89 ±9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.89 ±9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.89 | | | FEET 002.11 ac WIFT (401VIFIZ, MCSS, 90pc duty cycle) | | | |
| 10623 | | | IEEE 802.11ac WIFI (40MHz, MCS6, 90pc duty cycle) | WLAN | 8.68 | ± 9.6 % |
| 10624 AAB IEEE 802.11ac WIFI (40MHz, MCS8, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10625 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WIFI (80MHz, MCS0, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10627 AAB IEEE 802.11ac WIFI (80MHz, MCS1, 90pc duty cycle) WLAN 8.88 ± 9.6 % 10628 AAB IEEE 802.11ac WIFI (80MHz, MCS2, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10629 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10630 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10631 AAB IEEE 802.11ac WIFI (80MHz, MCS4, 90pc duty cycle) WLAN 8.872 ± 9.6 % 10631 AAB IEEE 802.11ac WIFI (80MHz, MCS5, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10632 AAB IEEE 802.11ac WIFI (80MHz, MCS5, 90pc duty cycle) WLAN 8.74 ± 9.6 % 10633 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10634 AAB IEEE 802.11ac WIFI (80MHz, MCS7, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10635 AAB IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10636 AAC IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10636 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10638 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10639 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10640 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10641 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10642 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 2 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 2 MHz, QPS | | | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle) | WLAN | 8.82 | |
| 10625 | 10624 | AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) | | | |
| 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle) WLAN 8.83 | 10625 | AAB | IEEE 802 11ac WiEi (40MHz, MCS9, 90pc duty ovelo) | | | |
| 10627 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle) WLAN 8.88 ± 9.6 % 10628 AAB IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle) WLAN 8.871 ± 9.6 % 10629 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10630 AAB IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10632 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.74 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10635 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10636 AAC IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10636 AAC IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10637 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10646 AAF IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10646 AAF IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10646 AAF IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 8.90 ± 9.6 % 10646 AAF IEEE 802.11ac WiFi (160Mz, MCS6, 90pc duty cycle) WLAN 8.90 ± 9.6 % 10646 | | | IEEE 902.11do Wir (40Mir. MOOD, 90, 11, 11) | | \ | |
| 10628 | | | TEEE OUZ. Flac WIFI (OUMHZ, MCSU, 9Upc duty cycle) | WLAN | 8.83 | ± 9.6 % |
| 10628 | | | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle) | WLAN | 8.88 | ± 9.6 % |
| 10629 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.85 ±9.6 % 10630 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.72 ±9.6 % 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.81 ±9.6 % 10632 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.81 ±9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.83 ±9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.80 ±9.6 % 10635 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ±9.6 % 10636 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.83 ±9.6 % 10637 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.79 ±9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WLAN 8.79 ±9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.86 ±9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ±9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ±9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.98 ±9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ±9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ±9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.05 ±9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.05 ±9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ±9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ±9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ±9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ±9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN | 10628 | AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle) | | | |
| 10630 | 10629 | AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 90nc duty cycle) | | | |
| 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10632 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10635 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10636 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10636 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 (3.45 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 (3.45 ± 9.6 % 10663 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 1.96 ± 9.6 % 10663 AAD LTE-TDD (OFDMA, 1 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 1.96 ± 9.6 % 10663 AAD LTE-TDD (OFDMA, 1 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 1.96 ± 9.6 % 10663 AAD LTE-TDD (OFDMA, 1 MHz, E-TM 3.1, Clipping 44%) LTE-TDD LTE-TDD 1.96 ± 9.6 % 10663 AAD LTE-TDD (OFDMA, 1 MHz, E- | | | IEEE 802 1100 WiEi (90MUz, MOCA, 90pc duty cycle) | | | ± 9.6 % |
| 10632 | | | LIFE 002.11ac WIFI (OUMITZ, MCS4, SUPC duty cycle) | · | 8.72 | ± 9.6 % |
| 10632 | | | TEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) | WLAN | 8.81 | ±9.6% |
| 10633 | | | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) | WLAN | | |
| 10634 | 10633 | AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 90nc duty cycle) | | | |
| 10635 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10636 AAC IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10637 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 16 Mtz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 16 Mtz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 16 Mtz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 16 Mtz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 16 Mtz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 16 Mtz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 16 Mtz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 16 Mtz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 16 Mtz, E-TM 3.1, Clipping 44% | | *************************************** | IEEE 802 11ac WiFi (80MHz, MCS8, 90nc duty gyala) | | | |
| 10636 | | | IEEE 802 1100 Will (00MH = MOCO, 00 = 1.1 | | | |
| 10636 AAC IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10637 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 | | | TEEL 002.1 Tac WIFT (00IVITZ, IVICS9, 90pc duty cycle) | | | |
| 10637 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 | | | TEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) | WLAN | 8.83 | ± 9.6 % |
| 10638 | | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) | | 1 | |
| 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 <td>10638</td> <td></td> <td>IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cyclo)</td> <td></td> <td></td> <td></td> | 10638 | | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cyclo) | | | |
| 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD | | | IFFE 802 11ac WiFi (160MHz, MCC2, 00pc daty cycle) | | | |
| 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 16 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % | | | IFFE 900 444 - WIFE (400MHz, MICSS, SUPE GUTY CYCIE) | | 8.85 | |
| 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % | | | וב⊏ב סט∠.דומכ יעודו (1טMHz, MCS4, 90pc duty cycle) | WLAN | 8.98 | |
| 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % | | **** | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) | | | |
| 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 45 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % | 10642 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 90nc duty cycle) | | | |
| 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WLAN 9.05 ±9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ±9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ±9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ±9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ±9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ±9.6 % 10654 AAD LTE-TDD (OFDMA, 45 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ±9.6 % | | | IFFE 802 11ac WiFi (160MHz, MCS7, 00pc duty cycle) | | | |
| 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 16 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % | | | TEEE 902 4400 WIE: (400441 - \$4000 00 | | | |
| 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % | | | TEEE OUZ. I THE WIFT (TOUWIHZ, MCS8, 90pc duty cycle) | WLAN | 9.05 | ± 9.6 % |
| 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % | | | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) | | | |
| 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 45 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % | 10646 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, OPSK, UI, Subframe=2.7) | | | |
| 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % | | | LTF-TDD (SC-FDMA 1 RB 20 MHz ODSK 111 Subframe=0.7) | | | |
| 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 45 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % | | | CDMA2000 (1x Advanced) | | | |
| 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % | | | LTE TRO (OFFICE OF TRO) | | 3.45 | |
| 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % | | | LTE-TOD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | | |
| 10654 AAD LITE TOD (OFDMA 45 MILE F TARRA OF 1 4400 | | AAD | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | | | |
| LIE-1DD 6.96 ± 9.6 % | 10654 | AAD | LTE-TDD (OFDMA, 15 MHz, F-TM 3.1, Clipping 44%) | | | |
| | | | (| LIL"IUU | 0.90 | ± 9.0 % |

| 10055 | | LITE TOD (CEDMA COMILLE THICK OFFICE (101) | 1 (75 755 | 7.04 | |
|----------------|-----|------------------------------------------------------------------------------------------------|--------------|---------------|--------------------|
| 10655 | AAE | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.21 10.00 | ± 9.6 % |
| 10658 10659 | AAA | Pulse Waveform (200Hz, 10%) Pulse Waveform (200Hz, 20%) | Test Test | 6.99 | ± 9.6 % ± 9.6 % |
| 10660 | AAA | Pulse Waveform (200Hz, 40%) | Test | 3.98 | ±9.6% |
| 10661 | AAA | Pulse Waveform (200Hz, 60%) | Test | 2.22 | ± 9.6 % |
| 10662 | AAA | Pulse Waveform (200Hz, 80%) | Test | 0.97 | ± 9.6 % |
| 10670 | AAA | Bluetooth Low Energy | Bluetooth | 2.19 | ± 9.6 % |
| 10671 | AAA | IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle) | WLAN | 9.09 | ± 9.6 % |
| 10672 | AAA | IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle) | WLAN | 8.57 | ± 9.6 % |
| 10673 | AAA | IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle) | WLAN | 8.78 | ±9.6% |
| 10674 | AAA | IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle) | WLAN | 8.74 | ± 9.6 % |
| 10675 | AAA | IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle) | WLAN | 8.90 | ± 9.6 % |
| 10676 | AAA | IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle) | WLAN | 8.77 | ± 9.6 % |
| 10677 | AAA | IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle) | WLAN | 8.73 | ± 9.6 % |
| 10678 | AAA | IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle) | WLAN | 8.78 | ± 9.6 % |
| 10679 | AAA | IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle) | WLAN | 8.89 | ± 9.6 % |
| 10680 | AAA | IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle) | WLAN | 8.80 | ± 9.6 % |
| 10681 | AAA | IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle) | WLAN | 8.62 | ± 9.6 % |
| 10682 | AAA | IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle) | WLAN | 8.83 | ± 9.6 % |
| 10683 | AAA | IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle) | WLAN | 8.42 | ± 9.6 % |
| 10684 | AAA | IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle) | WLAN | 8.26 | ±9.6 % |
| 10685 | AAA | IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle) | WLAN | 8.33 | ± 9.6 % |
| 10686 | AAA | IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle) | WLAN | 8.28 | ±9.6% |
| 10687 10688 | AAA | IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle) | WLAN WLAN | 8.45 8.29 | ± 9.6 % ± 9.6 % |
| | | IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle) | WLAN | 8.29 | |
| 10689 10690 | AAA | IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle) | WLAN | 8.29 | ± 9.6 % ± 9.6 % |
| 10690 | AAA | IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle) IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle) | WLAN | 8.25 | ± 9.6 % |
| 10692 | AAA | IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle) | WLAN | 8.29 | ± 9.6 % |
| 10693 | AAA | IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle) | WLAN | 8.25 | ± 9.6 % |
| 10694 | AAA | IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle) | WLAN | 8.57 | ± 9.6 % |
| 10695 | AAA | IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle) | WLAN | 8,78 | ± 9.6 % |
| 10696 | AAA | IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle) | WLAN | 8.91 | ± 9.6 % |
| 10697 | AAA | IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle) | WLAN | 8.61 | ± 9.6 % |
| 10698 | AAA | IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle) | WLAN | 8.89 | ± 9.6 % |
| 10699 | AAA | IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle) | WLAN | 8.82 | ± 9.6 % |
| 10700 | AAA | IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle) | WLAN | 8.73 | ± 9.6 % |
| 10701 | AAA | IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle) | WLAN | 8.86 | ± 9.6 % |
| 10702 | AAA | IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle) | WLAN | 8.70 | ± 9.6 % |
| 10703 | AAA | IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle) | WLAN | 8.82 | ±9.6% |
| 10704 | AAA | IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle) | WLAN | 8.56 | ± 9.6 % |
| 10705 | AAA | IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle) | WLAN | 8.69 | ± 9.6 % |
| 10706 | AAA | IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle) | WLAN | 8.66 | ± 9.6 % |
| 10707 | AAA | IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle) | WLAN | 8.32 | ± 9.6 % |
| 10708 | AAA | IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle) | WLAN | 8.55 | ± 9.6 % |
| 10709 10710 | AAA | IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle) IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle) | WLAN WLAN | 8.33 8.29 | ±9.6 % ±9.6 % |
| 10710 | AAA | IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle) | WLAN | 8.39 | ± 9.6 % |
| 10711 | AAA | IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle) | WLAN | 8.67 | ± 9.6 % |
| 10712 | AAA | IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle) | WLAN | 8.33 | ± 9.6 % |
| 10713 | AAA | IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) | WLAN | 8.26 | ± 9.6 % |
| 10715 | AAA | IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle) | WLAN | 8.45 | ± 9.6 % |
| 10716 | AAA | IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle) | WLAN | 8.30 | ± 9.6 % |
| 10717 | AAA | IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) | WLAN | 8.48 | ± 9.6 % |
| 10718 | AAA | IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) | WLAN | 8.24 | ± 9.6 % |
| 10719 | AAA | IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle) | WLAN | 8.81 | ± 9.6 % |
| 10720 | AAA | IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) | WLAN | 8.87 | ± 9.6 % |
| 10721 | AAA | IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) | WLAN | 8.76 | ± 9.6 % |
| 10722 | AAA | IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle) | WLAN | 8.55 | ± 9.6 % |
| 10723 | AAA | IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle) | WLAN | 8.70 | ± 9.6 % |
| 10724 | AAA | IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle) | WLAN | 8.90 | ± 9.6 % |
| 10725 | AAA | IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle) | WLAN | 8.74 | ± 9.6 % |
| 10726 | AAA | IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle) | WLAN | 8.72 | ± 9.6 % |
| 10727 | AAA | IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle) | WLAN | 8.66 | ± 9.6 % |

EX3DV4-- SN:7406

| 10728 | 40700 | 1 ^ ^ ^ | JEEE COO 44 (CONTIL MOOD CO. 14 | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|------------------------------------------------|-----------------------------------------|---------------|---------|
| 10730 | 10728 | AAA | IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle) | WLAN | 8.65 | ± 9.6 % |
| 10731 AAA IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle) | | | IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle) | | | |
| 10732 | | | IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle) | | -) | |
| 10733 | | | IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle) | | 8.42 | |
| 10734 | | | | | 8.46 | ± 9.6 % |
| 10735 | | | | WLAN | 8.40 | ± 9.6 % |
| 10736 | | | | WLAN | 8.25 | ± 9.6 % |
| 10737 | | | | WLAN | 8.33 | ± 9.6 % |
| 10738 | | 1 | IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle) | WLAN | 8.27 | ± 9.6 % |
| 10739 | | | IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle) | WLAN | 8.36 | ± 9.6 % |
| 10739 | | | | WLAN | 8.42 | ± 9.6 % |
| 10740 | | | | WLAN | | |
| 10741 AAA IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle) WLAN 8.40 ± 9.6 % 10742 AAA IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10743 AAA IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle) WLAN 8.94 ± 9.6 % 10744 AAA IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle) WLAN 9.16 ± 9.6 % 10745 AAA IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle) WLAN 8.93 ± 9.6 % 10746 AAA IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle) WLAN 8.93 ± 9.6 % 10747 AAA IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10748 AAA IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle) WLAN 9.04 ± 9.6 % 10749 AAA IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle) WLAN 8.93 ± 9.6 % 10750 AAA IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle) WLAN 8.90 ± 9.6 % 10751 AAA IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10752 AAA IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10753 AAA IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10753 AAA IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10755 AAA IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10755 AAA IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle) WLAN 8.94 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle) WLAN 8.94 ± 9.6 % 10757 AAA IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN | | - | | WLAN | 8.48 | |
| 10742 | | | | WLAN | 8.40 | |
| 10743 | | | | WLAN | 8.43 | |
| 10744 | | | IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle) | WLAN | 8.94 | |
| 10745 | | | IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle) | WLAN | 9.16 | |
| 10746 | | - | IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle) | WLAN | 8.93 | |
| 10747 AAA IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle) WLAN 9.04 ± 9.6 % 10748 AAA IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle) WLAN 8.93 ± 9.6 % 10749 AAA IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle) WLAN 8.90 ± 9.6 % 10750 AAA IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10751 AAA IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10752 AAA IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10753 AAA IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle) WLAN 9.00 ± 9.6 % 10754 AAA IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle) WLAN 8.94 ± 9.6 % 10755 AAA IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle) WLAN 8.64 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS2 | | | IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle) | WLAN | 9.11 | |
| 10748 AAA IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle) WLAN 8.93 ± 9.6 % 10749 AAA IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle) WLAN 8.90 ± 9.6 % 10750 AAA IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10751 AAA IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10752 AAA IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10753 AAA IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle) WLAN 9.00 ± 9.6 % 10754 AAA IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle) WLAN 8.94 ± 9.6 % 10755 AAA IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle) WLAN 8.64 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS4 | | | IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle) | WLAN | 9.04 | |
| 10749 AAA IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle) WLAN 8.90 ± 9.6 % 10750 AAA IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10751 AAA IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10752 AAA IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10753 AAA IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle) WLAN 9.00 ± 9.6 % 10754 AAA IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle) WLAN 8.94 ± 9.6 % 10755 AAA IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle) WLAN 8.64 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) WLAN 8.58 ± 9.6 % | | | | WLAN | 8.93 | |
| 10750 AAA IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10751 AAA IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10752 AAA IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10753 AAA IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle) WLAN 9.00 ± 9.6 % 10754 AAA IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle) WLAN 8.94 ± 9.6 % 10755 AAA IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle) WLAN 8.64 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10759 AAA IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS6 | | | IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle) | WLAN | | |
| 10751 AAA IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10752 AAA IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10753 AAA IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle) WLAN 9.00 ± 9.6 % 10754 AAA IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle) WLAN 8.94 ± 9.6 % 10755 AAA IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle) WLAN 8.64 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10759 AAA IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | | IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle) | WLAN | 8.79 | |
| 10752 AAA IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10753 AAA IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle) WLAN 9.00 ± 9.6 % 10754 AAA IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle) WLAN 8.94 ± 9.6 % 10755 AAA IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle) WLAN 8.64 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10759 AAA IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10762 AAA IEEE 802.11ax (160MHz, MCS9 | | | | WLAN | 8.82 | |
| 10753 AAA IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle) WLAN 9.00 ± 9.6 % 10754 AAA IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle) WLAN 8.94 ± 9.6 % 10755 AAA IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle) WLAN 8.64 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10759 AAA IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10762 AAA IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10763 AAA IEEE 802.11ax (160MHz, MCS9 | | | IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle) | | | |
| 10754 AAA IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle) WLAN 8.94 ± 9.6 % 10755 AAA IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle) WLAN 8.64 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10759 AAA IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10762 AAA IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10763 AAA IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | AAA | IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle) | WLAN | | |
| 10755 AAA IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle) WLAN 8.64 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10759 AAA IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10762 AAA IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10763 AAA IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) WLAN 8.54 ± 9.6 % 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | | IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle) | | | |
| 10756 AAA IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10759 AAA IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10762 AAA IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10763 AAA IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) WLAN 8.54 ± 9.6 % 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | AAA | IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle) | | 8,64 | |
| 10757 AAA IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10759 AAA IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10762 AAA IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10763 AAA IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) WLAN 8.54 ± 9.6 % 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | | IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) | WLAN | | |
| 10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10759 AAA IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10762 AAA IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10763 AAA IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) WLAN 8.54 ± 9.6 % 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | L | IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) | WLAN | | ± 9.6 % |
| 10759 AAA IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10762 AAA IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10763 AAA IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) WLAN 8.54 ± 9.6 % 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | | IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) | WLAN | | |
| 10760 AAA IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10762 AAA IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10763 AAA IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) WLAN 8.54 ± 9.6 % 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | AAA | IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle) | WLAN | | |
| 10761 AAA IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) WLAN 8.58 ± 9.6 % 10762 AAA IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10763 AAA IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) WLAN 8.54 ± 9.6 % 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | AAA | IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) | | | |
| 10762 AAA IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10763 AAA IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) WLAN 8.54 ± 9.6 % 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | AAA | IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle) | *************************************** | | |
| 10763 AAA IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) WLAN 8.54 ± 9.6 % 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | | IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) | | | |
| 10764 AAA IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) WLAN 8.54 ± 9.6 % 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | AAA | IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle) | | | |
| 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 % | | AAA | IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle) | | | |
| 40700 444 400444 400444 | | | IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) | | | |
| | 10766 | AAA | IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle) | | | |

May 16, 2019

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

Calibration Laboratory of

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





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

Accredited by the Swiss Accreditation Service (SAS)

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

Accreditation No.: SCS 0108

Client

PC Test

Certificate No: EX3-3589_Jan20/2

CALIBRATION CERTIFICATE (Replacement of No: EX3-3589_Jan20)

Object

EX3DV4 - SN:3589

Calibration procedure(s)

QA CAL-01 v9, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes

BNV N413012020

Calibration date:

January 21, 2020

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 | 03-Apr-19 (No. 217-02892/02893) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103244 | 03-Apr-19 (No. 217-02892) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103245 | 03-Apr-19 (No. 217-02893) | Apr-20 |
| Reference 20 dB Attenuator | SN: S5277 (20x) | 04-Apr-19 (No. 217-02894) | Apr-20 |
| DAE4 | SN: 660 | 27-Dec-19 (No. DAE4-660_Dec19) | Dec-20 |
| Reference Probe ES3DV2 | SN: 3013 | 31-Dec-18 (No. ES3-3013_Dec19) | Dec-20 |
| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB41293874 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-18) | In house check: Jun-20 |
| Network Analyzer E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-19) | In house check: Oct-20 |

Calibrated by:

Leif Klysner

Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: March 31, 2020

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

Calibration Laboratory of

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

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

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

CF A, B, C, D 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

Certificate No: EX3-3589_Jan20/2

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, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- 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 9 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide).
 NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3589

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|--------------------------------------------|----------|----------|----------|-----------|
| Norm (μV/(V/m) ²) ^A | 0.44 | 0.40 | 0.39 | ± 10.1 % |
| DCP (mV) ^B | 101.5 | 97.7 | 97.9 | |

Calibration Results for Modulation Response

| UID | Communication System Name | | A dB | B dBõV | C | D dB | VR mV | Max dev. | Max Unc ^E (k=2) |
|--------|-----------------------------|---|---------|-----------|-------|---------|----------|-------------|----------------------------------|
| 0 | CW | Х | 0.00 | 0.00 | 1.00 | 0.00 | 138.1 | ± 3.5 % | ± 4.7 % |
| | | Υ | 0.00 | 0.00 | 1.00 | | 148.9 | | |
| | | Z | 0.00 | 0.00 | 1.00 | | 137.1 | | |
| 10352- | Pulse Waveform (200Hz, 10%) | Х | 20.00 | 93.40 | 23.88 | 10.00 | 60.0 | ± 1.9 % | ± 9.6 % |
| AAA | | Υ | 20.00 | 90.04 | 21.55 | | 60.0 | | |
| | | Z | 20.00 | 93.40 | 23.50 | | 60.0 | | |
| 10353- | Pulse Waveform (200Hz, 20%) | Х | 20.00 | 93.53 | 22.66 | 6.99 | 80.0 | ± 1.0 % | ± 9.6 % |
| AAA | | Υ | 20.00 | 90.11 | 20.16 | | 80.0 | | |
| | | Z | 20.00 | 93.36 | 22.20 | | 80.0 | | |
| 10354- | Pulse Waveform (200Hz, 40%) | Х | 20.00 | 95.38 | 22.01 | 3.98 | 95.0 | ± 1.0 % | ± 9.6 % |
| AAA | | Y | 20.00 | 88.87 | 17.82 |] | 95.0 | | |
| | | Z | 20.00 | 94.79 | 21.35 | | 95.0 | | |
| 10355- | Pulse Waveform (200Hz, 60%) | Х | 20.00 | 102.43 | 23.98 | 2.22 | 120.0 | ± 1.1 % | ± 9.6 % |
| AAA | | Υ | 20.00 | 86.64 | 15.26 | | 120.0 |] | |
| | | Z | 20.00 | 97.99 | 21.51 | | 120.0 | | |
| 10387- | QPSK Waveform, 1 MHz | Х | 0.93 | 64.33 | 11.56 | 0.00 | 150.0 | ± 3.3 % | ± 9.6 % |
| AAA | | Υ | 0.54 | 60.00 | 7.11 |] | 150.0 |] | |
| | | Z | 0.68 | 61.48 | 9.17 | | 150.0 | | |
| 10388- | QPSK Waveform, 10 MHz | X | 2.38 | 69.01 | 16.27 | 0.00 | 150.0 | ± 1.3 % | ± 9.6 % |
| AAA | | Y | 2.02 | 66.96 | 14.92 |] | 150.0 |] | |
| | | Z | 2.15 | 67.54 | 15.53 | | 150.0 | | |
| 10396- | 64-QAM Waveform, 100 kHz | X | 3.79 | 73.46 | 20.06 | 3.01 | 150.0 | ± 0.6 % | ± 9.6 % |
| AAA | | Υ | 3.12 | 69.91 | 18.24 | | 150.0 | | |
| | | Z | 4.11 | 75.05 | 20.59 | | 150.0 | | |
| 10399- | 64-QAM Waveform, 40 MHz | X | 3.59 | 67.56 | 16.03 | 0.00 | 150.0 | ± 2.5 % | ± 9.6 % |
| AAA | | Υ | 3.37 | 66.67 | 15.43 | | 150.0 |] | |
| | | Z | 3.46 | 66.93 | 15.67 | | 150.0 | | |
| 10414- | WLAN CCDF, 64-QAM, 40MHz | Х | 4.95 | 65.82 | 15.63 | 0.00 | 150.0 | ± 4.6 % | ± 9.6 % |
| AAA | | Υ | 4.77 | 65.46 | 15.41 | 1 | 150.0 |] | |
| | | Z | 4.80 | 65.52 | 15.45 | | 150.0 | | |

Note: For details on UID parameters see Appendix

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

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

B Numerical linearization parameter: uncertainty not required.

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3589

Sensor Model Parameters

| | C1 fF | C2 fF | α V ⁻¹ | T1 ms.V ⁻² | T2 ms.V ⁻¹ | T3 ms | T4 V ⁻² | T5 V ⁻¹ | Т6 |
|---|----------|----------|----------------------|--------------------------|--------------------------|----------|-----------------------|-----------------------|------|
| X | 52.5 | 386.65 | 34.73 | 26.61 | 1.15 | 5.10 | 1.30 | 0.45 | 1.01 |
| Υ | 44.4 | 339.10 | 36.93 | 20.74 | 1.47 | 5.06 | 0.00 | 0.71 | 1.01 |
| Z | 44.1 | 325.90 | 34.85 | 22.88 | 1.09 | 5.07 | 1.71 | 0.36 | 1.01 |

Other Probe Parameters

| Sensor Arrangement | Triangular |
|-----------------------------------------------|------------|
| Connector Angle (°) | -32.6 |
| Mechanical Surface Detection Mode | enabled |
| Optical Surface Detection Mode | disabled |
| Probe Overall Length | 337 mm |
| Probe Body Diameter | 10 mm |
| Tip Length | 9 mm |
| Tip Diameter | 2.5 mm |
| Probe Tip to Sensor X Calibration Point | 1 mm |
| Probe Tip to Sensor Y Calibration Point | 1 mm |
| Probe Tip to Sensor Z Calibration Point | 1 mm |
| Recommended Measurement Distance from Surface | 1.4 mm |

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3589

Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) ^C | Relative Permittivity ^F | Conductivity (S/m) F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k=2) |
|----------------------|---------------------------------------|-------------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 750 | 41.9 | 0.89 | 8.70 | 8.70 | 8.70 | 0.38 | 1.00 | ± 12.0 % |
| 835 | 41.5 | 0.90 | 8.58 | 8.58 | 8.58 | 0.47 | 0.80 | ± 12.0 % |
| 1750 | 40.1 | 1.37 | 7.55 | 7.55 | 7.55 | 0.52 | 0.87 | ± 12.0 % |
| 1900 | 40.0 | 1.40 | 7.25 | 7.25 | 7.25 | 0.43 | 0.87 | ± 12.0 % |
| 2300 | 39.5 | 1.67 | 7.11 | 7.11 | 7.11 | 0.45 | 0.86 | ± 12.0 % |
| 2450 | 39.2 | 1.80 | 6.85 | 6.85 | 6.85 | 0.47 | 0.85 | ± 12.0 % |
| 2600 | 39.0 | 1.96 | 6.60 | 6.60 | 6.60 | 0.41 | 0.86 | ± 12.0 % |

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

⁶ MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

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.

Gauge the ConvF uncertainty for indicated target tissue parameters.

Gauge the 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:3589

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) |
|----------------------|---------------------------------------|----------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 750 | 55.5 | 0.96 | 8.49 | 8.49 | 8.49 | 0.49 | 0.81 | ± 12.0 % |
| 835 | 55.2 | 0.97 | 8.27 | 8.27 | 8.27 | 0.29 | 1.03 | ± 12.0 % |
| 1750 | 53.4 | 1.49 | 6.93 | 6.93 | 6.93 | 0.41 | 0.87 | ± 12.0 % |
| 1900 | 53.3 | 1.52 | 6.72 | 6.72 | 6.72 | 0.35 | 0.87 | ± 12.0 % |
| 2300 | 52.9 | 1.81 | 6.62 | 6.62 | 6.62 | 0.34 | 0.86 | ± 12.0 % |
| 2450 | 52.7 | 1.95 | 6.60 | 6.60 | 6.60 | 0.40 | 0.86 | ± 12.0 % |
| 2600 | 52.5 | 2.16 | 6.35 | 6.35 | 6.35 | 0.37 | 0.90 | ± 12.0 % |

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

⁶ MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

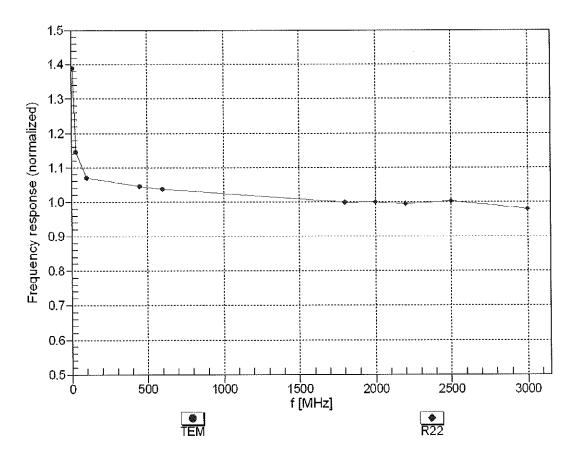
F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty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

the ConvF uncertainty for indicated target tissue parameters.

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.

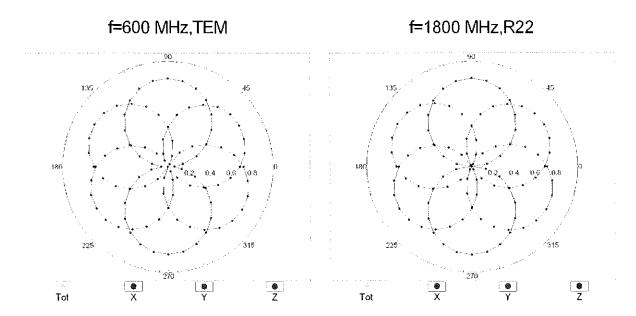
Frequency Response of E-Field

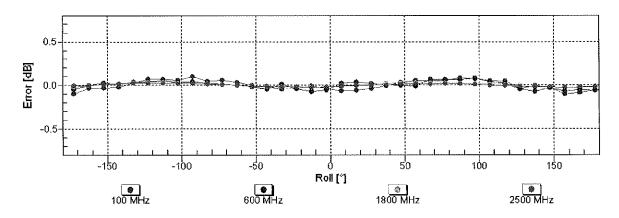
(TEM-Cell:ifi110 EXX, Waveguide: R22)



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

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

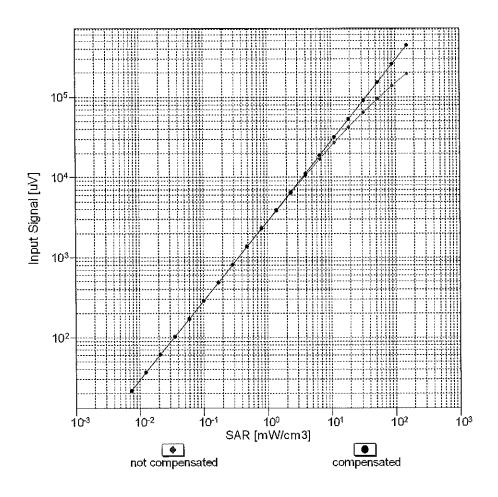


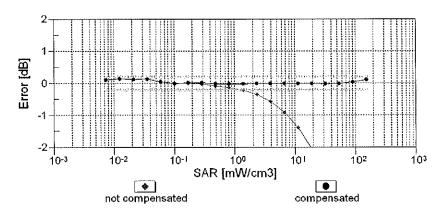


Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Dynamic Range f(SAR_{head})

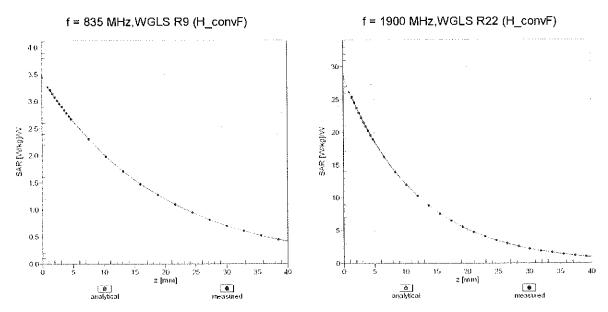
(TEM cell , f_{eval}= 1900 MHz)



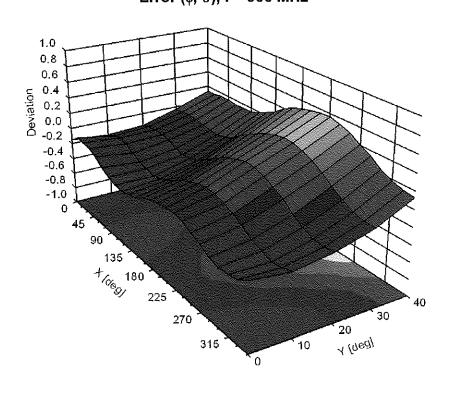


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



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



Appendix: Modulation Calibration Parameters

| DID | Rev | Communication System Name | Group | PAR | Unc |
|----------------|-----|--------------------------------------------------------------------------------------|---------------|---------------|--------------------|
| | | CVI. | CIN | (dB) | (k=2) |
| 0 | | CW (2) | CW | 0.00 | ± 4.7 % |
| 10010 | CAA | SAR Validation (Square, 100ms, 10ms) | Test WCDMA | 10.00 | ± 9.6 % |
| 10011 | CAB | UMTS-FDD (WCDMA) | | 2.91 | ± 9.6 % |
| 10012 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) | WLAN WLAN | 1.87 | ± 9.6 % |
| 10013 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | GSM | 9.46 | ± 9.6 % |
| 10021 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ±9.6% |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 9.57 6.56 | ± 9.6 % ± 9.6 % |
| 10024 10025 | DAC | EDGE-FDD (TDMA, 8MSK, TN 0-1) | GSM | 12.62 | ±9.6 % |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9.55 | ± 9.6 % |
| 10026 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | GSM | 4.80 | ± 9.6 % |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | GSM | 3.55 | ± 9.6 % |
| 10028 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 7.78 | ±9.6 % |
| 10029 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1) | Bluetooth | 5.30 | ± 9.6 % |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3) | Bluetooth | 1.87 | ± 9.6 % |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5) | Bluetooth | 1.16 | ±9.6 % |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) | Bluetooth | 7.74 | ± 9.6 % |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) | Bluetooth | 4.53 | ±9.6 % |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5) | Bluetooth | 3.83 | ±9.6 % |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1) | Bluetooth | 8.01 | ± 9.6 % |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Bluetooth | 4.77 | ± 9.6 % |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5) | Bluetooth | 4.10 | ± 9.6 % |
| 10039 | CAB | CDMA2000 (1xRTT, RC1) | CDMA2000 | 4.57 | ± 9.6 % |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS | 7.78 | ± 9.6 % |
| 10044 | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM) | AMPS | 0.00 | ± 9.6 % |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | DECT | 13.80 | ± 9.6 % |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | DECT | 10.79 | ±9.6% |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps) | TD-SCDMA | 11.01 | ±9.6 % |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | ±9.6% |
| 10059 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) | WLAN | 2.12 | ±9.6% |
| 10060 | CAB | IEEE 802.11b WIFi 2.4 GHz (DSSS, 5.5 Mbps) | WLAN | 2.83 | ±9.6 % |
| 10061 | CAB | IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps) | WLAN | 3.60 | ± 9.6 % |
| 10062 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) | WLAN | 8.68 | ± 9.6 % |
| 10063 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) | WLAN | 8.63 | ± 9.6 % |
| 10064 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) | WLAN | 9.09 | ± 9.6 % |
| 10065 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps) | WLAN | 9.00 | ± 9.6 % |
| 10066 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps) | WLAN | 9.38 | ±9.6 % |
| 10067 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps) | WLAN | 10.12 | ± 9.6 % |
| 10068 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | ± 9.6 % |
| 10069 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) | WLAN | 10.56 | ±9.6% |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps) | WLAN | 9.83 | ±9.6% |
| 10072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.62 | ±9.6% |
| 10073 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | WLAN | 9.94 | ± 9.6 % |
| 10074 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | WLAN | 10.30 | ± 9.6 % |
| 10075 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | WLAN | 10.77 | ±9.6 % |
| 10076 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | WLAN | 10.94 | ±9.6% |
| 10077 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | WLAN | 11.00 | ± 9.6 % |
| 10081 | CAB | CDMA2000 (1xRTT, RC3) | CDMA2000 | 3.97 | ±9.6 % |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS | 4.77 | ± 9.6 % |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 6.56 | ± 9.6 % |
| 10097 | CAB | UMTS-FDD (HSDPA) | WCDMA | 3.98 | ± 9.6 % |
| 10098 | CAB | UMTS-FDD (HSUPA, Subtest 2) | WCDMA | 3.98 | ± 9.6 % |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | GSM | 9.55 | ±9.6% |
| 10100 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-FDD | 5.67 | ± 9.6 % |
| 10101 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 % |
| 10102 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.6% |
| 10103 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-TOD | 9.29 | ±9.6% |
| 10104 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.97 | ±9.6% |
| 10105 10108 | | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-TDD | 10.01 5.80 | ± 9.6 % |
| 10100 | CAG | <u>ן ביביי טט (סט־רטואה, וטטאו אם, וט אורוב, ערסגן</u> | LIL-FUU | 1 0.00 | ± 9.6 % |

| | | | 1.75.555 | 1 0 (0) | |
|----------------|-----|------------------------------------------------|----------|----------|---------|
| 10109 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10110 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 % |
| 10111 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.44 | ± 9.6 % |
| 10112 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.59 | ± 9.6 % |
| 10113 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 % |
| 10114 | CAC | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| 10115 | CAC | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | WLAN | 8.46 | ± 9.6 % |
| 10116 | CAC | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN | 8.15 | ± 9.6 % |
| 10117 | CAC | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8.07 | ± 9.6 % |
| 10118 | CAC | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | WLAN | 8.59 | ± 9.6 % |
| 10119 | CAC | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10140 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10141 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.53 | ± 9.6 % |
| 10142 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10143 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.35 | ± 9.6 % |
| 10144 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.65 | ± 9.6 % |
| 10145 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.76 | ± 9.6 % |
| 10146 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.41 | ± 9.6 % |
| 10147 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.72 | ± 9.6 % |
| 10149 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 % |
| 10150 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
| 10151 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-TDD | 9.28 | ± 9.6 % |
| 10152 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.92 | ± 9.6 % |
| 10153 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.05 | ± 9.6 % |
| 10154 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 % |
| 10155 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ±9.6% |
| 10156 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-FDD | 5.79 | ± 9.6 % |
| 10157 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10158 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 % |
| 10159 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.56 | ±9.6 % |
| 10160 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-FDD | 5.82 | ± 9.6 % |
| 10161 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10162 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.58 | ±9.6% |
| 10166 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.46 | ± 9.6 % |
| 10167 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.21 | ±9.6 % |
| 10168 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.79 | ±9.6% |
| 10169 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10170 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10171 | AAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-FDD | 6.49 | ±9.6% |
| 10172 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10173 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-TDD | 9.48 | ±9.6 % |
| 10174 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10175 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10176 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10177 | CAI | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10178 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.6% |
| 10179 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10180 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-FDD | 6.50 | ±9.6 % |
| 10181 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10182 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-FDD | 6.52 | ±96% |
| 10183 | AAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-FDD | 6.50 | ±9.6 % |
| 10184 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 % |
| 10185 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-FDD | 6.51 | ± 9.6 % |
| 10186 | AAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-FDD | 6.50 | ±96% |
| 10187 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10188 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10189 | AAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10193 | CAC | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) | WLAN | 8.09 | ± 9.6 % |
| 10194 | CAC | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | WLAN | 8.12 | ±9.6 % |
| 10195 | CAC | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | WLAN | 8.21 | ± 9.6 % |
| 10196 | CAC | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| 10197 | CAC | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | WLAN | 8.13 | ± 9.6 % |
| | CAC | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) | WLAN | 8.27 | ± 9.6 % |
| 10198 10219 | CAC | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN | 8.03 | ± 9.6 % |

EX3DV4-SN:3589

| 40220 | CAC | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | WLAN | 8.13 | ± 9.6 % |
|---------|------|-----------------------------------------------------------------------------------|----------|--------------|--------------------|
| 10220 | CAC | | WLAN | 8.27 | ± 9.6 % |
| 10221 | CAC | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) | WLAN | 8.06 | ± 9.6 % |
| 10222 | CAC | | WLAN | | |
| 10223 | CAC | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) | WLAN | 8.48 8.08 | ± 9.6 % ± 9.6 % |
| 10224 | CAC | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | WCDMA | 5.97 | |
| 10225 | CAB | UMTS-FDD (HSPA+) | LTE-TDD | | ± 9.6 % ± 9.6 % |
| 10226 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | | 9.49 | |
| 10227 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.26 | ± 9.6 % |
| 10228 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TDD | 9.22 | ± 9.6 % |
| 10229 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10230 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10231 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-TDD | 9.19 | ± 9.6 % |
| 10232 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-TDD | 9,48 | ± 9.6 % |
| 10233 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10234 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10235 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10236 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10237 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-TDD | 9.21 | ±9.6% |
| 10238 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-TDD | 9.48 | ±9.6 % |
| 10239 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6% |
| 10240 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10241 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.82 | ± 9.6 % |
| 10242 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 9.86 | ±9.6% |
| 10243 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.46 | ± 9.6 % |
| 10244 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-TDD | 10.06 | ±9.6% |
| 10245 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10246 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-TDD | 9.30 | ± 9.6 % |
| 10247 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-TDD | 9,91 | ±9.6% |
| 10248 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.09 | ±9.6% |
| 10249 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6 % |
| 10250 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.81 | ± 9.6 % |
| 10251 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.17 | ± 9.6 % |
| 10252 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TDD | 9.24 | ± 9.6 % |
| 10253 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-TDD | 9.90 | ± 9.6 % |
| 10254 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.14 | ±9.6% |
| 10255 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-TDD | 9.20 | ± 9.6 % |
| 10256 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.96 | ±9.6 % |
| 10257 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.08 | ± 9.6 % |
| 10258 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.34 | ± 9.6 % |
| 10259 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-TDD | 9.98 | ± 9.6 % |
| 10260 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-TDD | 9.97 | ±9.6% |
| 10261 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-TDD | 9.24 | ± 9.6 % |
| 10262 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.83 | ± 9.6 % |
| 10263 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.16 | ± 9.6 % |
| 10264 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-TDD | 9.23 | ± 9.6 % |
| 10265 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.92 | ± 9.6 % |
| 10266 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.07 | ± 9.6 % |
| 10267 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-TDD | 9.30 | ±9.6% |
| 10268 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-TDD | 10.06 | ±9.6% |
| 10269 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.13 | ± 9.6 % |
| 10270 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-TDD | 9.58 | ± 9.6 % |
| 10274 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) | WCDMA | 4.87 | ±9.6 % |
| 10275 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | WCDMA | 3.96 | ± 9.6 % |
| 10277 | CAA | PHS (QPSK) | PHS | 11.81 | ±9.6% |
| 10278 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5) | PHS | 11.81 | ± 9.6 % |
| 10279 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38) | PHS | 12.18 | ± 9.6 % |
| 10290 | AAB | CDMA2000, RC1, SO55, Full Rate | CDMA2000 | 3.91 | ± 9.6 % |
| 10291 | AAB | CDMA2000, RC3, SO55, Full Rate | CDMA2000 | 3.46 | ± 9.6 % |
| 10292 | AAB | CDMA2000, RC3, SO32, Full Rate | CDMA2000 | 3.39 | ±9.6 % |
| 10293 | AAB | CDMA2000, RC3, SO3, Full Rate | CDMA2000 | 3.50 | ± 9.6 % |
| 10295 | AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | CDMA2000 | 12.49 | ± 9.6 % |
| 10297 | AAD | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-FDD | 5.81 | ± 9.6 % |
| 10298 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10299 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.39 | ± 9.6 % |
| . 52.00 | 1,40 | | 1 1 | , 0.00 | |

| 10000 | | LITE EDD (OO EDMA FOO) DD OARLE OA OARN | LTC COD | 0.00 | 1000 |
|-------|-----|---------------------------------------------------------------------------------------------------------|------------------|---------------|--------------------|
| 10300 | AAD | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-FDD WIMAX | 6.60 12.03 | ± 9.6 % |
| 10301 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC) | WIMAX | 12.03 | |
| 10302 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL) | WiMAX | 12.57 | ± 9.6 % ± 9.6 % |
| 10303 | | IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC) IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) | WIMAX | 11.86 | ± 9.6 % |
| | AAA | | WIMAX | 15.24 | |
| 10305 | AAA | IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC) | WIMAX | | ± 9.6 % |
| 10306 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC) | | 14.67 | ± 9.6 % |
| 10307 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC) | WiMAX | 14.49 | ± 9.6 % |
| 10308 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) | WIMAX | 14.46 | ± 9.6 % |
| 10309 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3) | WIMAX | 14.58 | ± 9.6 % |
| 10310 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3 | WIMAX | 14.57 | ± 9.6 % |
| 10311 | AAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-FDD | 6.06 | ± 9.6 % |
| 10313 | AAA | iDEN 1:3 | IDEN | 10.51 | ± 9.6 % |
| 10314 | AAA | IDEN 1:6 | IDEN | 13.48 | ± 9.6 % |
| 10315 | AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc) | WLAN | 1.71 | ± 9.6 % |
| 10316 | AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc) | WLAN | 8,36 | ± 9.6 % |
| 10317 | AAC | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10352 | AAA | Pulse Waveform (200Hz, 10%) | Generic | 10.00 | ± 9.6 % |
| 10353 | AAA | Pulse Waveform (200Hz, 20%) | Generic | 6.99 | ± 9.6 % |
| 10354 | AAA | Pulse Waveform (200Hz, 40%) | Generic | 3.98 | ± 9.6 % |
| 10355 | AAA | Pulse Waveform (200Hz, 60%) | Generic | 2.22 | ± 9.6 % |
| 10356 | AAA | Pulse Waveform (200Hz, 80%) | Generic | 0.97 | ± 9.6 % |
| 10387 | AAA | QPSK Waveform, 1 MHz | Generic | 5.10 | ± 9.6 % |
| 10388 | AAA | QPSK Waveform, 10 MHz | Generic | 5.22 | ±9.6% |
| 10396 | AAA | 64-QAM Waveform, 100 kHz | Generic | 6.27 | ± 9.6 % |
| 10399 | AAA | 64-QAM Waveform, 40 MHz | Generic | 6.27 | ± 9.6 % |
| 10400 | AAD | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc) | WLAN | 8.37 | ±9.6% |
| 10401 | AAD | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10402 | AAD | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc) | WLAN | 8.53 | ± 9.6 % |
| 10403 | AAB | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.76 | ±9.6% |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A) | CDMA2000 | 3.77 | ±9.6% |
| 10406 | AAB | CDMA2000, RC3, SO32, SCH0, Full Rate | CDMA2000 | 5.22 | ± 9.6 % |
| 10410 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9) | LTE-TDD | 7.82 | ± 9.6 % |
| 10414 | AAA | WLAN CCDF, 64-QAM, 40MHz | Generic | 8.54 | ± 9.6 % |
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc) | WLAN | 1.54 | ± 9.6 % |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ±9.6% |
| 10417 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 % |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long) | WLAN | 8.14 | ± 9.6 % |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) | WLAN | 8.19 | ± 9.6 % |
| 10422 | AAB | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | ± 9.6 % |
| 10423 | AAB | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | WLAN | 8.47 | ± 9.6 % |
| 10424 | AAB | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | WLAN | 8.40 | ± 9.6 % |
| 10425 | AAB | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | WLAN | 8.41 | ± 9.6 % |
| 10426 | AAB | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) | WLAN | 8.45 | ± 9.6 % |
| 10427 | AAB | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) | WLAN | 8.41 | ± 9.6 % |
| 10430 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | LTE-FDD | 8.28 | ± 9.6 % |
| 10431 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | LTE-FDD | 8.38 | ± 9.6 % |
| 10432 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ± 9.6 % |
| 10433 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ± 9.6 % |
| 10434 | AAA | W-CDMA (BS Test Model 1, 64 DPCH) | WCDMA | 8.60 | ± 9.6 % |
| 10435 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10447 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.56 | ± 9.6 % |
| 10448 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | LTE-FDD | 7.53 | ± 9.6 % |
| 10449 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | LTE-FDD | 7.51 | ± 9.6 % |
| 10450 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.48 | ± 9.6 % |
| 10451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7.59 | ± 9.6 % |
| 10453 | AAD | Validation (Square, 10ms, 1ms) | Test | 10.00 | ± 9.6 % |
| 10456 | AAB | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) | WLAN | 8.63 | ± 9.6 % |
| 10457 | AAA | UMTS-FDD (DC-HSDPA) | WCDMA | 6.62 | ± 9.6 % |
| 10458 | AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | CDMA2000 | 6.55 | ± 9.6 % |
| 10459 | AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | CDMA2000 | 8.25 | ± 9.6 % |
| 10460 | AAA | UMTS-FDD (WCDMA, AMR) | WCDMA | 2.39 | ± 9.6 % |
| 10461 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| | | | | - | |
| 10462 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.30 | ± 9.6 % |

| | | | | | · |
|---------|------------|---------------------------------------------------------------------------------------------------------------------------------|---------|--------|--------------------|
| 10463 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ± 9.6 % |
| 10464 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10465 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10466 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10467 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9.6% |
| 10468 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ±9.6% |
| 10469 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ± 9.6 % |
| 10470 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9.6% |
| 10471 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10472 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10473 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9.6% |
| 10474 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10475 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10477 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10478 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8,57 | ± 9.6 % |
| 10479 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10480 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.18 | ± 9.6 % |
| 10481 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ± 9.6 % |
| 10482 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.71 | ± 9.6 % |
| 10483 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub) | LTE-TDD | 8.39 | ± 9.6 % |
| 10484 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.47 | ± 9.6 % |
| 10485 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.59 | ± 9.6 % |
| 10486 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.38 | ± 9.6 % |
| 10487 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.60 | ± 9.6 % |
| 10488 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.70 | ± 9.6 % |
| 10489 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ± 9.6 % |
| 10490 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| 10491 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10492 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.41 | ± 9.6 % |
| 10493 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ± 9.6 % |
| 10494 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | |
| 10495 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.37 | ± 9.6 % ± 9.6 % |
| 10496 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | |
| 10497 | AAB | | | | ±9.6% |
| 10497 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | ± 9.6 % |
| 10498 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.40 | ± 9.6 % |
| 10500 | AAC | | LTE-TDD | 8.68 | ± 9.6 % |
| | | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | ± 9.6 % |
| 10501 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.44 | ± 9.6 % |
| | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.52 | ± 9.6 % |
| 10503 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.72 | ± 9.6 % |
| 10504 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ± 9.6 % |
| 10505 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| 10506 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10507 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.36 | ± 9.6 % |
| 10508 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ±9.6 % |
| 10509 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.99 | ±9.6% |
| 10510 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.49 | ± 9.6 % |
| 10511 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.51 | ± 9.6 % |
| 10512 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.42 | ± 9.6 % |
| 10514 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ± 9.6 % |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc) | WLAN | 1.58 | ± 9.6 % |
| 10516 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) | WLAN | 1.57 | ±9.6% |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc) | WLAN | 1.58 | ± 9.6 % |
| 10518 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 % |
| 10519 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc) | WLAN | 8.39 | ± 9.6 % |
| 10520 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc) | WLAN | 8.12 | ±9.6% |
| 10521 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc) | WLAN | 7.97 | ± 9.6 % |
| 10522 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10523 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc) | WLAN | 8.08 | ±9.6% |
| 1 40004 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) | WLAN | 8.27 | ±9.6% |
| 10524 | | IEEE 902 44cc MIEI (20MLH: MCCO, 00cc do) | WLAN | 1 0.00 | ±9.6 % |
| 10525 | AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) | | 8.36 | 1.0.0 /6 |
| | AAB AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc) IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc) | WLAN | 8.42 | ± 9.6 % |

| | · | | | | |
|----------------|--------------|---------------------------------------------------------|--------------|--------------|---------|
| 10528 | AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10529 | AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10531 | AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc) | WLAN | 8.43 | ± 9.6 % |
| 10532 | AAB | IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc) | WLAN | 8.29 | ±9.6% |
| 10533 | AAB | IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc) | WLAN | 8.38 | ±9.6 % |
| 10534 | AAB | IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc) | WLAN | 8,45 | ± 9.6 % |
| 10535 | AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10536 | AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc) | WLAN | 8.32 | ± 9.6 % |
| 10537 | AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) | WLAN | 8.44 | ± 9.6 % |
| 10538 | AAB | IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) | WLAN | 8.54 | ±9.6 % |
| 10540 | AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) | WLAN | 8.39 | ±9.6 % |
| 10541 | AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) | WLAN | 8.46 | ± 9.6 % |
| 10542 | AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) | WLAN | 8.65 | ± 9.6 % |
| 10543 | AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) | WLAN | 8.65 | ± 9.6 % |
| 10544 | } | | WLAN | | |
| | AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) | | 8.47 | ± 9.6 % |
| 10545 | AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10546 | AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc) | WLAN | 8.35 | ± 9.6 % |
| 10547 | AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10548 | AAB | IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 10550 | AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc) | WLAN | 8.38 | ± 9.6 % |
| 10551 | AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc) | WLAN | 8.50 | ± 9.6 % |
| 10552 | AAB | IEEÉ 802.11ac WiFi (80MHz, MCS8, 99pc dc) | WLAN | 8.42 | ±9.6 % |
| 10553 | AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc) | WLAN | 8.45 | ±9.6 % |
| 10554 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc) | WLAN | 8.48 | ± 9.6 % |
| 10555 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc) | WLAN | 8.47 | ± 9.6 % |
| 10556 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc) | WLAN | 8.50 | ±9.6% |
| 10557 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc) | WLAN | 8.52 | ±9.6% |
| 10558 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc) | WLAN | 8.61 | ± 9.6 % |
| 10560 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc) | WLAN | 8.73 | ±9.6 % |
| 10561 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc) | WLAN | 8.56 | ± 9.6 % |
| 10562 | AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc) | WLAN | 8.69 | ±9.6% |
| 10563 | AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc) | WLAN | 8.77 | ±9.6% |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) | WLAN | 8.25 | ±9.6 % |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) | WLAN | 8.45 | ±9.6% |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) | WLAN | 8.13 | ± 9.6 % |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) | WLAN | 8.00 | ± 9.6 % |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) | WLAN | 8.37 | ±9.6 % |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) | WLAN | 8.10 | ± 9.6 % |
| 10570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) | WLAN | 8.30 | ±9.6 % |
| 10571 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) | WLAN | 1.99 | ± 9.6 % |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) | WLAN | 1.99 | ±9.6 % |
| 10573 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) | WLAN | 1.98 | ± 9.6 % |
| 10574 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc) | WLAN | 1.98 | ± 9.6 % |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | ±9.6 % |
| 10576 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) | WLAN | 8.36 | ±9.6 % |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) | WLAN | 8.35 | ±9.6 % |
| 10582 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 44 Mbps, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10583 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | ± 9.6 % |
| 10584 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10585 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10586 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10587 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 16 Mbps, 90pc dc) | WLAN | | |
| 10587 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10589 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) | WLAN | 8.76 8.35 | ±9.6% |
| 1 | | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) | | | ±9.6% |
| 10590 | AAB | | WLAN | 8.67 | ±9.6% |
| 10591 10592 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc) | WLAN WLAN | 8.63 | ± 9.6 % |
| | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc) | | 8.79 | ±9.6 % |
| 10593 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc) | WLAN WLAN | 8.64 | ±9.6% |
| 10594 10595 | AAB AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10090 | WAD | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc) | IAAFVIA | 8.74 | ± 9.6 % |

| | · | | | | |
|-------|----------|---------------------------------------------------|-----------|--------|------------|
| 10596 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc) | WLAN | 8.71 | ± 9.6 % |
| 10597 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) | WLAN | 8.72 | ± 9.6 % |
| 10598 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc) | WLAN | 8.50 | ± 9.6 % |
| 10599 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10600 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc) | WLAN | 8.88 | ±9.6 % |
| 10601 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10602 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) | WLAN | 8.94 | ±9.6% |
| 10603 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc) | WLAN | 9.03 | ±9.6% |
| 10604 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10605 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc) | WLAN | 8.97 | ± 9.6 % |
| 10606 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10607 | AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10608 | AAB | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10609 | AAB | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc) | WLAN | 8.57 | ± 9.6 % |
| 10610 | AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10611 | AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc) | WLAN | 8.70 | ±9.6 % |
| 10612 | AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc) | WLAN | 8.77 | |
| 10612 | + | | WLAN | | ±9.6% |
| , | AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc) | | 8.94 | ± 9.6 % |
| 10614 | AAB | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc) | WLAN | 8.59 | ±9.6% |
| 10615 | AAB | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10616 | AAB | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10617 | AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10618 | AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc) | WLAN | 8.58 | ± 9.6 % |
| 10619 | AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc) | WLAN | 8.86 | ±9.6% |
| 10620 | AAB | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc) | WLAN | 8.87 | ± 9.6 % |
| 10621 | AAB | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10622 | AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc) | WLAN | 8.68 | ± 9.6 % |
| 10623 | AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10624 | AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc) | WLAN | 8.96 | ± 9.6 % |
| 10625 | AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc) | WLAN | 8.96 | ± 9.6 % |
| 10626 | AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc) | WLAN | 8.83 | ±9.6 % |
| 10627 | AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc) | WLAN | 8.88 | ±9.6 % |
| 10628 | AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc) | WLAN | 8.71 | ± 9,6 % |
| 10629 | AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc) | WLAN | 8.85 | ±9.6% |
| 10630 | AAB | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc) | WLAN | 8.72 | ±9.6% |
| 10631 | AAB | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10632 | AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10633 | AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc) | WLAN | 8,83 | ±9.6% |
| 10634 | AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc) | WLAN | 8.80 | ± 9.6 % |
| 10635 | AAB | IEEE 802,11ac WiFi (80MHz, MCS9, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10636 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10637 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10638 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc) | WLAN | | ± 9.6 % |
| 10639 | AAC | IEEE 802.11ac WiFi (160MHz, MC32, 90pc dc) | WLAN | 8.86 | |
| 10640 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc) | WLAN | 8.85 | ±9.6% |
| 10640 | AAC | | WLAN | 8.98 | ±9.6% |
| | <u> </u> | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc) | | 9.06 | ± 9.6 % |
| 10642 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc) | WLAN | 9.06 | ± 9.6 % |
| 10643 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc) | WLAN | 8.89 | ±9.6 % |
| 10644 | AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc) | WLAN | 9.05 | ±9.6 % |
| 10645 | AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) | WLAN | 9.11 | ± 9.6 % |
| 10646 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10647 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10648 | AAA | CDMA2000 (1x Advanced) | CDMA2000 | 3.45 | ± 9.6 % |
| 10652 | AAE | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.91 | ± 9.6 % |
| 10653 | AAE | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.42 | ± 9.6 % |
| 10654 | AAD | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.96 | ± 9.6 % |
| 10655 | AAE | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.21 | ± 9.6 % |
| 10658 | AAA | Pulse Waveform (200Hz, 10%) | Test | 10.00 | ± 9.6 % |
| 10659 | AAA | Pulse Waveform (200Hz, 20%) | Test | 6.99 | ± 9.6 % |
| 10660 | AAA | Pulse Waveform (200Hz, 40%) | Test | 3.98 | ± 9.6 % |
| 10661 | AAA | Pulse Waveform (200Hz, 60%) | Test | 2,22 | ± 9.6 % |
| 10662 | AAA | Pulse Waveform (200Hz, 80%) | Test | 0.97 | ± 9.6 % |
| 10670 | AAA | Bluetooth Low Energy | Bluetooth | 2.19 | ± 9.6 % |
| 10671 | AAA | IEEE 802.11ax (20MHz, MCS0, 90pc dc) | WLAN | 9.09 | ± 9.6 % |
| | 1,001 | 1 x = 1 / _ x = 1 | 1 11 | 1 0.00 | 1 - 0.0 /0 |

| 10672 AAA IEEE 802.11ax (20MHz, MCS1, 90pc dc) WLAN 10673 AAA IEEE 802.11ax (20MHz, MCS2, 90pc dc) WLAN 10674 AAA IEEE 802.11ax (20MHz, MCS3, 90pc dc) WLAN 10675 AAA IEEE 802.11ax (20MHz, MCS4, 90pc dc) WLAN 10676 AAA IEEE 802.11ax (20MHz, MCS5, 90pc dc) WLAN 10677 AAA IEEE 802.11ax (20MHz, MCS6, 90pc dc) WLAN 10678 AAA IEEE 802.11ax (20MHz, MCS7, 90pc dc) WLAN 10679 AAA IEEE 802.11ax (20MHz, MCS8, 90pc dc) WLAN 10680 AAA IEEE 802.11ax (20MHz, MCS9, 90pc dc) WLAN 10681 AAA IEEE 802.11ax (20MHz, MCS10, 90pc dc) WLAN | 8.57 8.78 8.74 8.90 8.77 8.73 8.78 8.89 8.80 8.62 8.83 8.42 | ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 10674 AAA IEEE 802.11ax (20MHz, MCS3, 90pc dc) WLAN 10675 AAA IEEE 802.11ax (20MHz, MCS4, 90pc dc) WLAN 10676 AAA IEEE 802.11ax (20MHz, MCS5, 90pc dc) WLAN 10677 AAA IEEE 802.11ax (20MHz, MCS6, 90pc dc) WLAN 10678 AAA IEEE 802.11ax (20MHz, MCS7, 90pc dc) WLAN 10679 AAA IEEE 802.11ax (20MHz, MCS8, 90pc dc) WLAN 10680 AAA IEEE 802.11ax (20MHz, MCS9, 90pc dc) WLAN | 8.74 8.90 8.77 8.73 8.78 8.89 8.80 8.62 8.83 | ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % |
| 10675 AAA IEEE 802.11ax (20MHz, MCS4, 90pc dc) WLAN 10676 AAA IEEE 802.11ax (20MHz, MCS5, 90pc dc) WLAN 10677 AAA IEEE 802.11ax (20MHz, MCS6, 90pc dc) WLAN 10678 AAA IEEE 802.11ax (20MHz, MCS7, 90pc dc) WLAN 10679 AAA IEEE 802.11ax (20MHz, MCS8, 90pc dc) WLAN 10680 AAA IEEE 802.11ax (20MHz, MCS9, 90pc dc) WLAN | 8.90 8.77 8.73 8.78 8.89 8.80 8.62 8.83 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10676 AAA IEEE 802.11ax (20MHz, MCS5, 90pc dc) WLAN 10677 AAA IEEE 802.11ax (20MHz, MCS6, 90pc dc) WLAN 10678 AAA IEEE 802.11ax (20MHz, MCS7, 90pc dc) WLAN 10679 AAA IEEE 802.11ax (20MHz, MCS8, 90pc dc) WLAN 10680 AAA IEEE 802.11ax (20MHz, MCS9, 90pc dc) WLAN | 8.77 8.73 8.78 8.89 8.80 8.62 8.83 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10677 AAA IEEE 802.11ax (20MHz, MCS6, 90pc dc) WLAN 10678 AAA IEEE 802.11ax (20MHz, MCS7, 90pc dc) WLAN 10679 AAA IEEE 802.11ax (20MHz, MCS8, 90pc dc) WLAN 10680 AAA IEEE 802.11ax (20MHz, MCS9, 90pc dc) WLAN | 8.73 8.78 8.89 8.80 8.62 8.83 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10678 AAA IEEE 802.11ax (20MHz, MCS7, 90pc dc) WLAN 10679 AAA IEEE 802.11ax (20MHz, MCS8, 90pc dc) WLAN 10680 AAA IEEE 802.11ax (20MHz, MCS9, 90pc dc) WLAN | 8.78 8.89 8.80 8.62 8.83 | ± 9.6 % ± 9.6 % ± 9.6 % |
| 10679 AAA IEEE 802.11ax (20MHz, MCS8, 90pc dc) WLAN 10680 AAA IEEE 802.11ax (20MHz, MCS9, 90pc dc) WLAN | 8.89 8.80 8.62 8.83 | ± 9.6 % ± 9.6 % |
| 10680 AAA IEEE 802.11ax (20MHz, MCS9, 90pc dc) WLAN | 8.80 8.62 8.83 | ± 9.6 % |
| 10000 7001 1222 00211101 (1001012) 1177 1177 | 8.62 8.83 | |
| 1 10681 AAA IEEE 802.11ax (20MHz. MCS10. 90pc dc) WLAN WLAN | 8.83 | 1 #9n% ' |
| 10001 1201 1201 1201 1201 1201 1201 120 | | |
| 10682 AAA IEEE 802.11ax (20MHz, MCS11, 90pc dc) WLAN | 8.42 | ± 9.6 % |
| 10683 AAA IEEE 802.11ax (20MHz, MCS0, 99pc dc) WLAN | | ± 9.6 % |
| 10684 AAA IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN | 8.26 | ± 9.6 % |
| 10685 AAA IEEE 802.11ax (20MHz, MCS2, 99pc dc) WLAN | 8.33 | ± 9.6 % |
| 10686 AAA IEEE 802.11ax (20MHz, MCS3, 99pc dc) WLAN | 8.28 | ± 9.6 % |
| 10687 AAA IEEE 802.11ax (20MHz, MCS4, 99pc dc) WLAN | 8.45 | ± 9.6 % |
| 10688 AAA IEEE 802.11ax (20MHz, MCS5, 99pc dc) WLAN | 8.29 | ± 9.6 % |
| 10689 AAA IEEE 802.11ax (20MHz, MCS6, 99pc dc) WLAN | 8.55 | ± 9.6 % |
| 10690 AAA IEEE 802.11ax (20MHz, MCS7, 99pc dc) WLAN | 8.29 | ± 9.6 % |
| 10691 AAA IEEE 802.11ax (20MHz, MCS8, 99pc dc) WLAN | 8.25 | ± 9.6 % |
| 10692 AAA IEEE 802.11ax (20MHz, MCS9, 99pc dc) WLAN | 8.29 | ± 9.6 % |
| 10693 AAA IEEE 802.11ax (20MHz, MCS10, 99pc dc) WLAN | 8.25 | ± 9.6 % |
| 10694 AAA IEEE 802.11ax (20MHz, MCS11, 99pc dc) WLAN | 8.57 | ± 9.6 % |
| 10695 AAA IEEE 802.11ax (40MHz, MCS0, 90pc dc) WLAN | 8.78 | ± 9.6 % |
| 10696 AAA IEEE 802.11ax (40MHz, MCS1, 90pc dc) WLAN | 8.91 | ± 9.6 % |
| 10697 AAA IEEE 802.11ax (40MHz, MCS2, 90pc dc) WLAN | 8.61 | ± 9.6 % |
| 10698 AAA IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN | 8.89 | ± 9.6 % |
| 10699 AAA IEEE 802.11ax (40MHz, MCS4, 90pc dc) WLAN | 8.82 | ± 9.6 % |
| 10700 AAA IEEE 802.11ax (40MHz, MCS5, 90pc dc) WLAN | 8.73 | ± 9.6 % |
| 10701 AAA IEEE 802.11ax (40MHz, MCS6, 90pc dc) WLAN | 8.86 | ± 9.6 % |
| 10702 AAA IEEE 802.11ax (40MHz, MCS7, 90pc dc) WLAN | 8.70 | ± 9.6 % |
| 10703 AAA IEEE 802.11ax (40MHz, MCS8, 90pc dc) WLAN | 8.82 | ± 9.6 % |
| 10704 AAA IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN | 8.56 | ± 9.6 % |
| 10705 AAA IEEE 802.11ax (40MHz, MCS10, 90pc dc) WLAN | 8.69 | ± 9.6 % |
| 10706 AAA IEEE 802.11ax (40MHz, MCS11, 90pc dc) WLAN | 8.66 | ± 9.6 % |
| 10707 AAA IEEE 802.11ax (40MHz, MCS0, 99pc dc) WLAN | 8.32 | ± 9.6 % |
| 10708 AAA IEEE 802.11ax (40MHz, MCS1, 99pc dc) WLAN | 8.55 | ± 9.6 % |
| 10709 AAA IEEE 802.11ax (40MHz, MCS2, 99pc dc) WLAN | 8.33 | ± 9.6 % |
| 10710 AAA IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN | 8.29 | ± 9.6 % |
| 10711 AAA IEEE 802.11ax (40MHz, MCS4, 99pc dc) WLAN | 8.39 | ± 9.6 % |
| 10712 AAA IEEE 802.11ax (40MHz, MCS5, 99pc dc) WLAN | 8.67 | ± 9.6 % |
| 10713 AAA IEEE 802.11ax (40MHz, MCS6, 99pc dc) WLAN | 8.33 | ± 9.6 % |
| 10714 AAA IEEE 802.11ax (40MHz, MCS7, 99pc dc) WLAN | 8.26 | ± 9.6 % |
| 10715 AAA IEEE 802.11ax (40MHz, MCS8, 99pc dc) WLAN | 8.45 | ±9.6% |
| 10716 AAA IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN | 8.30 | ± 9.6 % |
| 10717 AAA IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN | 8.48 | ± 9.6 % |
| 10718 AAA IEEE 802.11ax (40MHz, MCS11, 99pc dc) WLAN | 8.24 | ±9.6 % |
| 10719 AAA IEEE 802.11ax (80MHz, MCS0, 90pc dc) WLAN | 8.81 | ±9.6% |
| 10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN | 8.87 | ± 9.6 % |
| 10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN | 8.76 | ± 9.6 % |
| 10722 AAA IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN | 8.55 | ± 9.6 % |
| 10723 AAA IEEE 802.11ax (80MHz, MCS4, 90pc dc) WLAN | 8.70 | ±9.6 % |
| 10724 AAA IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN | 8.90 | ± 9.6 % |
| 10725 AAA IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN | 8.74 | ± 9.6 % |
| 10726 AAA IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN | 8.72 | ± 9.6 % |
| 10727 AAA IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN | 8.66 | ± 9.6 % |
| 10728 AAA IEEE 802.11ax (80MHz, MCS9, 90pc dc) WLAN | 8.65 | ± 9.6 % |
| 10729 AAA IEEE 802.11ax (80MHz, MCS10, 90pc dc) WLAN | 8.64 | ± 9.6 % |
| 10730 AAA IEEE 802.11ax (80MHz, MCS11, 90pc dc) WLAN | 8.67 | ± 9.6 % |
| 10731 AAA IEEE 802.11ax (80MHz, MCS0, 99pc dc) WLAN | 8.42 | ±9.6% |
| 10732 AAA IEEE 802.11ax (80MHz, MCS1, 99pc dc) WLAN | 8.46 | ± 9.6 % |
| 10733 AAA IEEE 802.11ax (80MHz, MCS2, 99pc dc) WLAN | 8.40 | ± 9.6 % |
| 10734 AAA IEEE 802.11ax (80MHz, MCS3, 99pc dc) WLAN | 8.25 | ± 9.6 % |
| 10735 AAA IEEE 802.11ax (80MHz, MCS4, 99pc dc) WLAN | 8.33 | ± 9.6 % |

| 10736 AAA | F | · | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------------------|--------------|
| 10738 AAA IEEE B02_11sx (80MHz, MCSF, 89pc dc) | 10736 | 1 | IEEE 802.11ax (80MHz, MCS5, 99pc dc) | WLAN | | ± 9.6 % |
| 10739 | | | | | | |
| 1974 AAA | 1 | 1 | | | | |
| 10741 AAA EEE 802.11ax (80MHz, MCS11, 99pc dc) | | | | | | |
| 10742 | | | | | | |
| 10744 | | | | | | |
| 10744 AAA | | | | | | |
| 10746 | | | | | | |
| 10746 | | ļ.— | | | | |
| 10748 | | | | | | |
| 10748 | | | | | | |
| 10749 | | | · · · · · · · · · · · · · · · · · · · | | | |
| 10750 | | - | | | | |
| 10751 | | | · · · · · · · · · · · · · · · · · · · | | | } |
| 10752 | | | | | | |
| 10753 | | | , , , , , , , , , , , , , , , , , , , , | | | |
| 10754 AAA | | <u>. </u> | | <u> </u> | | |
| 10755 | <u> </u> | 4 | | | | |
| 10756 | | | | | | |
| 10757 | | | | | | |
| 10758 | | | | · | | |
| 10759 | | | | | | |
| 10760 | | | | | | |
| 10761 | | - | , , , , , , , , , , , , , , , , , , , , | | | |
| 10762 | | | | <u> </u> | | |
| 10763 | L | ·•···· | | | | |
| 10764 | <u> </u> | | | | - | |
| 10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc dc) | | | | | | |
| 10766 AAA IEEE 802.11ax (160MHz, MCS11, 99pc dc) | | | , , , , , , , , , , , , , , , , , , , , | | | |
| 10767 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7.99 ± 9.6 % 10768 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10769 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10770 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.02 ± 9.6 % 10771 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.02 ± 9.6 % 10772 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.02 ± 9.6 % 10773 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.02 ± 9.6 % 10773 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.03 ± 9.6 % 10774 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.02 ± 9.6 % 10774 AAC 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.02 ± 9.6 % 10775 AAB 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.02 ± 9.6 % 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ± 9.6 % 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ± 9.6 % 10776 AAC 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ± 9.6 % 10778 AAC 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.32 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.33 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.33 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.33 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.33 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.33 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR | | | | | | - |
| 10768 | | | | <u> </u> | | |
| 10769 | | | | } | | |
| 10770 | | | | 4.,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | - |
| 10771 | | | | | | |
| 10772 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.23 ± 9.6 % 10773 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.03 ± 9.6 % 10774 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.02 ± 9.6 % 10775 AAB 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ± 9.6 % 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ± 9.6 % 10777 AAB 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ± 9.6 % 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ± 9.6 % 10779 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10779 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % | | - | | | | |
| 10773 | L | 1 | | | | |
| 10774 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.02 ± 9.6 % 10775 AAB 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ± 9.6 % 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ± 9.6 % 10777 AAB 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ± 9.6 % 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10779 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.42 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.42 ± 9.6 % 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ± 9.6 % <tr< td=""><td></td><td></td><td><u></u></td><td><u> </u></td><td></td><td></td></tr<> | | | <u></u> | <u> </u> | | |
| 10775 AAB 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ± 9.6 % 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ± 9.6 % 10777 AAB 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ± 9.6 % 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ± 9.6 % 10784 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ± 9.6 % < | | | | | | |
| 10776 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ±9.6 % 10777 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ±9.6 % 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.34 ±9.6 % 10779 AAB 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.34 ±9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ±9.6 % 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ±9.6 % 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ±9.6 % 10783 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ±9.6 % 10784 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ±9.6 % 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ±9.6 % 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ±9.6 % 10787 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ±9.6 % 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ±9.6 % 10789 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ±9.6 % 10790 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ±9.6 % 10791 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ±9.6 % 10792 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7.92 ±9.6 % 10793 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7.92 ±9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ±9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 % | | | | | | |
| 10777 AAB 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.30 ± 9.6 % 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10779 AAB 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.42 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10783 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10784 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ± 9.6 % 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ± 9.6 % 10786 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % | | | | <u> </u> | | |
| 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10779 AAB 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.42 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10782 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10782 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ± 9.6 % 10785 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ± 9.6 % 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % | | | | | , | |
| 10779 AAB 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.42 ± 9.6 % 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10782 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ± 9.6 % 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ± 9.6 % 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10787 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % | | | | | | |
| 10780 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10783 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ± 9.6 % 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ± 9.6 % 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ± 9.6 % 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ± 9.6 % 10787 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10789 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % <td>}</td> <td></td> <td></td> <td></td> <td></td> <td></td> | } | | | | | |
| 10781 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ± 9.6 % 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ± 9.6 % 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ± 9.6 % 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ± 9.6 % 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10787 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10789 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % | | | · · · · · · · · · · · · · · · · · · · | | } | |
| 10782 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ± 9.6 % 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ± 9.6 % 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ± 9.6 % 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.44 ± 9.6 % 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | | | | | | |
| 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ± 9.6 % 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ± 9.6 % 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ± 9.6 % 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.44 ± 9.6 % 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % | | | <u> </u> | | | 1 |
| 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ± 9.6 % 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ± 9.6 % 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.44 ± 9.6 % 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | | | | | | |
| 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ± 9.6 % 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.44 ± 9.6 % 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tr<> | | | | | | |
| 10786 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.44 ± 9.6 % 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.95 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % | | | | 5G NR FR1 TDD | | |
| 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.44 ± 9.6 % 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.95 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % | 10786 | | | 5G NR FR1 TDD | | |
| 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.95 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 % | 10787 | AAC | | 5G NR FR1 TDD | 8.44 | |
| 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.95 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 % | 10788 | AAC | | 5G NR FR1 TDD | | |
| 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.95 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 % | 10789 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | | ± 9.6 % |
| 10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.95 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 % | 10790 | AAC | | 5G NR FR1 TDD | | |
| 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.95 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 % | 10791 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | | ± 9.6 % |
| 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 % | | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.92 | ± 9.6 % |
| 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 % | 10793 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.95 | ± 9.6 % |
| 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 % | | | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | · |
| 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 % | | | | 5G NR FR1 TDD | 7.84 | ± 9.6 % |
| 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 % | | | | | 7.82 | ± 9.6 % |
| | | | | | 8.01 | ± 9.6 % |
| 10799 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 % | · | | | | | |
| | 10799 | AAC | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | ± 9.6 % |

| 10802 | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 10803 | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10805 | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10805 | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10806 | 9.6 % 9.6 % |
| 10809 | 9.6 % 9.6 % |
| 10810 | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10812 | 9.6 % 9.6 % |
| 10817 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10818 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10819 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9 10820 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ±9 10821 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10822 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10823 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ±9 10824 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ±9 10825 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ±9 10826 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ±9 10827 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9 10829 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ±9 10830 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.40 ±9 10831 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ±9 10832 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ±9 10833 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ±9 10834 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ±9 10835 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10836 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10837 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10838 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10839 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10839 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10840 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10841 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10843 AAC 5G NR (CP-OFDM, | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10817 | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10818 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10819 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ± 9 10820 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ± 9 10821 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10823 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ± 9 10824 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ± 9 10825 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10827 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ± 9 10828 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ± 9 10829 | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10819 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ± 9 10820 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ± 9 10821 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10824 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ± 9 10824 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ± 9 10825 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10827 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ± 9 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ± 9 10830 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10820 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ± 9 10821 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10823 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ± 9 10824 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ± 9 10825 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10827 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ± 9 10830 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.63 ± 9 10832 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10821 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10823 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ± 9 10824 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ± 9 10825 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10827 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ± 9 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ± 9 10829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.40 ± 9 10830 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ± 9 10832 | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10822 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10823 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ± 9 10824 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ± 9 10825 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10827 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ± 9 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ± 9 10829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.40 ± 9 10830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10833 <t< td=""><td>9.6 % 9.6 % 9.6 % 9.6 % 9.6 %</td></t<> | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10823 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ± 9 10824 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ± 9 10825 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10827 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ± 9 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ± 9 10829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.40 ± 9 10830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ± 9 10832 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10833 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10834 A | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10823 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ± 9 10824 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ± 9 10825 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10827 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ± 9 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ± 9 10829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.40 ± 9 10830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ± 9 10832 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10833 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10834 A | 9.6 % 9.6 % 9.6 % 9.6 % 9.6 % |
| 10824 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ± 9 10825 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10827 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ± 9 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ± 9 10829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.40 ± 9 10830 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ± 9 10832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10835 <td< td=""><td>9.6 % 9.6 % 9.6 % 9.6 %</td></td<> | 9.6 % 9.6 % 9.6 % 9.6 % |
| 10825 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10827 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ± 9 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ± 9 10829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.40 ± 9 10830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10834 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10835 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10837 AAC <td>9.6 % 9.6 % 9.6 %</td> | 9.6 % 9.6 % 9.6 % |
| 10827 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ± 9 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ± 9 10829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.40 ± 9 10830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ± 9 10832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9 10837 AAC | 9.6 % 9.6 % |
| 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ± 9 10829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.40 ± 9 10830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ± 9 10832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9 10837 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9 10840 AAC | 9.6 % |
| 10829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.40 ± 9 10830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ± 9 10832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10843 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± | |
| 10830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ± 9 10832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC <t< td=""><td>9.6 %</td></t<> | 9.6 % |
| 10830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9 10831 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ± 9 10832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9 10840 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10841 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 </td <td></td> | |
| 10831 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ± 9 10832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 10844 AAC | 9.6 % |
| 10832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9 10839 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± | 9.6 % |
| 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9 10839 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9 | 9.6 % |
| 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9 10839 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9 | |
| 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9 10839 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9 | 9.6 % |
| 10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9 10839 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9 | 9.6 % |
| 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9 10839 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9 | 9.6 % |
| 10839 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9 | 9.6 % |
| 10839 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9 | 9.6 % |
| 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9 | 9.6 % |
| 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9 | 9.6 % |
| 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9 | |
| 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9 | 9.6 % |
| | 9.6 % |
| 10846 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8 41 ± 9 | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| | |
| | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| 10859 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9 | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| | |
| | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| | |
| | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| 10875 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9 | 9.6 % |
| 10876 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.39 ± 9 | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| | |
| | 9.6 % |
| | 9.6 % |
| | 9.6 % |
| | 70 |
| | 9.6 % |
| | 9.6 % |
| | 9.6 % 9.6 % |
| 1.100 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 1.100 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0 | 9.6 % |

| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
|---------|-------|-----------------------------------------------------|---------------|------|---------|
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.35 | ± 9.6 % |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.02 | ± 9.6 % |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.40 | ± 9.6 % |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.13 | ± 9.6 % |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10897 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.66 | ± 9.6 % |
| 10898 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10899 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10900 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10901 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6% |
| 10902 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10903 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10904 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10905 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10906 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10907 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.78 | ± 9.6 % |
| 10908 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10909 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.96 | ± 9.6 % |
| 10910 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10910 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10912 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6 % |
| 10912 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6 % |
| 10913 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.85 | ±9.6 % |
| 10914 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10915 | .] | | 5G NR FR1 TDD | 5.87 | |
| <u></u> | AAA | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) | | | ±9.6% |
| 10917 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10918 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ±9.6% |
| 10919 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10920 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | ±9.6% |
| 10921 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10922 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.82 | ± 9.6 % |
| 10923 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10924 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6 % |
| 10925 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.95 | ±9.6 % |
| 10926 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10927 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10928 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ±96% |
| 10929 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ±9.6% |
| 10930 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ±9.6% |
| 10931 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ±9.6% |
| 10932 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10933 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10934 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10935 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10936 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10937 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.77 | ± 9.6 % |
| 10938 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10939 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.82 | ± 9.6 % |
| 10940 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.89 | ± 9.6 % |
| 10941 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10942 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| 10943 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.95 | ± 9.6 % |
| 10944 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.81 | ± 9.6 % |
| 10945 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| 10946 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10947 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| 10948 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10949 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| 10950 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10951 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.92 | ± 9.6 % |
| 10952 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.25 | ± 9.6 % |
| | 1.001 | | | | |
| 10953 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.15 | ± 9.6 % |

| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.23 | ±9.6 % |
|-------|-----|-----------------------------------------------------|---------------|------|---------|
| 10955 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.42 | ± 9.6 % |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.14 | ± 9.6 % |
| 10957 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.31 | ±9.6 % |
| 10958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.61 | ± 9.6 % |
| 10959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.33 | ± 9.6 % |
| 10960 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.32 | ± 9.6 % |
| 10961 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.36 | ±9.6 % |
| 10962 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.40 | ± 9.6 % |
| 10963 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.55 | ± 9.6 % |
| 10964 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.29 | ± 9.6 % |
| 10965 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.37 | ± 9.6 % |
| 10966 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.55 | ± 9.6 % |
| 10967 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.42 | ± 9.6 % |
| 10968 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49 | ± 9.6 % |

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

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





C

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

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

PC Test

Certificate No: EX3-7488_Jan20/2

CALIBRATION CERTIFICATE (Replacement of No: EX3-7488_Jan20)

Object

EX3DV4 - SN:7488

Calibration procedure(s)

QA CAL-01.v9, QA CAL-14.v5, QA CAL-23.v5, QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date:

January 21, 2020

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)

BN/ 413012020

| Primary Standards | ID . | Cal Date (Certificate No.) | Scheduled Calibration |
|----------------------------|------------------|-----------------------------------|------------------------|
| Power meter NRP | SN: 104778 | 03-Apr-19 (No. 217-02892/02893) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103244 | 03-Apr-19 (No. 217-02892) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103245 | 03-Apr-19 (No. 217-02893) | Apr-20 |
| Reference 20 dB Attenuator | SN: S5277 (20x) | 04-Apr-19 (No. 217-02894) | Apr-20 |
| DAE4 | SN: 660 | 27-Dec-19 (No. DAE4-660_Dec19) | Dec-20 |
| Reference Probe ES3DV2 | SN: 3013 | 31-Dec-19 (No. ES3-3013_Dec19) | Dec-20 |
| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB41293874 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-18) | In house check: Jun-20 |
| Network Analyzer E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-19) | In house check: Oct-20 |

Name Function Signature

Lelf Klysner Laboratory Technician

Approved by: Katja Pokovic Technical Manager

Issued: March 31, 2020

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

Calibration Laboratory of

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

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

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

CF crest factor (1/duty_cycle) of the RF signal A, B, C, D modulation dependent linearization parameters

Polarization φ φ rotation around probe axis

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

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

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

Calibration is Performed According to the Following Standards:

 a) 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, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016

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

January 21, 2020 EX3DV4 - SN:7488

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7488

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|--------------------------------------------|----------|----------|----------|-----------|
| Norm (μV/(V/m) ²) ^A | 0.45 | 0.49 | 0.50 | ± 10.1 % |
| DCP (mV) ^B | 102.4 | 100.1 | 101.2 | |

Calibration Results for Modulation Response

| UID | Communication System Name | | A dB | B dBõV | С | D dB | VR mV | Max dev. | Max Unc ^E (k=2) |
|--------|-----------------------------|----|---------|-----------|-------|---------|----------|-------------|----------------------------------|
| 0 | CW | X | 0.00 | 0.00 | 1.00 | 0.00 | 153.9 | ± 3.5 % | ± 4.7 % |
| | | Y | 0.00 | 0.00 | 1.00 | | 139.0 | | |
| | | Z | 0.00 | 0.00 | 1.00 | | 140.1 | | |
| 10352- | Pulse Waveform (200Hz, 10%) | X | 5.63 | 74.36 | 13.77 | 10.00 | 60.0 | ± 2.9 % | ± 9.6 % |
| AAA | | Y | 6.82 | 76.29 | 14.74 | | 60.0 | | |
| | | Z | 20.00 | 92.27 | 21.12 | | 60.0 | | |
| 10353- | Pulse Waveform (200Hz, 20%) | X | 20.00 | 87.02 | 16.42 | 6.99 | 80.0 | ± 2.0 % | ± 9.6 % |
| AAA | | Υ | 20.00 | 87.56 | 16.78 | | 80.0 | | |
| | | Z | 20.00 | 95.62 | 21.61 | | 80.0 | | |
| 10354- | Pulse Waveform (200Hz, 40%) | X | 20.00 | 89.58 | 16.27 | 3.98 | 95.0 | ± 1.2 % | ± 9.6 % |
| AAA | | Y | 20.00 | 87.55 | 15.19 | | 95.0 | | |
| | | Z | 20.00 | 108.80 | 26.40 | | 95.0 | | |
| 10355- | Pulse Waveform (200Hz, 60%) | X | 20.00 | 92.96 | 16.63 | 2.22 | 120.0 | ± 1.1 % | ± 9.6 % |
| AAA | | Y | 19.99 | 82.40 | 11.72 | | 120.0 | | |
| | | Z | 20.00 | 123.05 | 31.18 | 1 | 120.0 | | |
| 10387- | QPSK Waveform, 1 MHz | X | 0.48 | 60.00 | 6.54 | 0.00 | 150.0 | ± 3.1 % | ± 9.6 % |
| AAA | | Y | 0.48 | 60.00 | 5.89 | | 150.0 | | |
| | | Z | 0.55 | 60.27 | 7.65 | | 150.0 | | |
| 10388- | QPSK Waveform, 10 MHz | X | 2.20 | 68.91 | 16.27 | 0.00 | 150.0 | ± 1.3 % | ± 9.6 % |
| AAA | | Y | 1.83 | 65.66 | 14.39 |] | 150.0 | | |
| | | Z | 2.17 | 68.21 | 15.92 | | 150.0 | | |
| 10396- | 64-QAM Waveform, 100 kHz | X | 2.80 | 71.23 | 19.16 | 3.01 | 150.0 | ± 1.1 % | ±9.6 % |
| AAA | | Y | 2.20 | 65.98 | 16.61 | | 150.0 | | |
| | | Z | 3.19 | 72.58 | 19.71 | | 150.0 | | |
| 10399- | 64-QAM Waveform, 40 MHz | X | 3.49 | 67.60 | 16.06 | 0.00 | 150.0 | ± 2.3 % | ± 9.6 % |
| AAA | | Y | 3.23 | 66.02 | 15.12 |] | 150.0 | | |
| | | Z. | 3.46 | 67.18 | 15.85 | | 150.0 | | |
| 10414- | WLAN CCDF, 64-QAM, 40MHz | X | 4.60 | 65.44 | 15.45 | 0.00 | 150.0 | ± 4.1 % | ± 9.6 % |
| AAA | | Y | 4.56 | 65.09 | 15.20 | | 150.0 | | |
| | | Z | 4.76 | 65.68 | 15,57 |] | 150.0 |] | |

Note: For details on UID parameters see Appendix

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

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

Numerical linearization parameter: uncertainty not required.

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7488

Sensor Model Parameters

| | C1 | C2 | α | T1 | T2 | T3 | T4 | T5 | T6 |
|---|------|--------|-------|--------------------|--------|------|------|------|------|
| | fF | fF | V-1 | ms.V ⁻² | ms.V⁻¹ | ms | V-2 | V-1 | |
| X | 33.8 | 249.38 | 34.84 | 6.94 | 0.00 | 5.03 | 1.45 | 0.10 | 1.01 |
| Υ | 33.3 | 252.45 | 36.43 | 5.07 | 0.13 | 5.05 | 0.00 | 0.35 | 1.01 |
| Z | 38.7 | 286.52 | 35.12 | 10.09 | 0.09 | 5.09 | 1.93 | 0.13 | 1.01 |

Other Probe Parameters

| Sensor Arrangement | Triangular |
|-----------------------------------------------|------------|
| Connector Angle (°) | 46.2 |
| 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 |

Certificate No: EX3-7488_Jan20/2 Page 4 of 22

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7488

Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) ^C | Relative Permittivity ^F | Conductivity (S/m) F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unc (k=2) |
|----------------------|---------------------------------------|----------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 750 | 41.9 | 0.89 | 10.64 | 10.64 | 10.64 | 0.57 | 0.80 | ± 12.0 % |
| 835 | 41.5 | 0.90 | 10.21 | 10.21 | 10.21 | 0.43 | 0.94 | ± 12.0 % |
| 1750 | 40.1 | 1.37 | 8.71 | 8.71 | 8.71 | 0.35 | 0.86 | ± 12.0 % |
| 1900 | 40.0 | 1.40 | 8.28 | 8.28 | 8.28 | 0.35 | 0.86 | ± 12.0 % |
| 2300 | 39.5 | 1.67 | 8.26 | 8.26 | 8.26 | 0.31 | 0.90 | ± 12.0 % |
| 2450 | 39.2 | 1.80 | 7.93 | 7.93 | 7.93 | 0.38 | 0.90 | ± 12.0 % |
| 2600 | 39.0 | 1.96 | 7.65 | 7.65 | 7.65 | 0.39 | 0.90 | ± 12.0 % |
| 3500 | 37.9 | 2.91 | 7.30 | 7.30 | 7.30 | 0.30 | 1.30 | ± 13.1 % |
| 3700 | 37.7 | 3.12 | 7.20 | 7.20 | 7.20 | 0.30 | 1.30 | ± 13.1 % |
| 5250 | 35.9 | 4.71 | 5.39 | 5.39 | 5.39 | 0.40 | 1.80 | ± 13.1 % |
| 5600 | 35.5 | 5.07 | 4.67 | 4.67 | 4.67 | 0.40 | 1.80 | ± 13.1 % |
| 5750 | 35.4 | 5.22 | 4.99 | 4.99 | 4.99 | 0.40 | 1.80 | ± 13.1 % |

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

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

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 ConyE 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.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7488

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) |
|----------------------|---------------------------------------|----------------------|---------|---------|---------|--------------------|----------------------------|--------------|
| 750 | 55.5 | 0.96 | 11.35 | 11.35 | 11.35 | 0.47 | 0.80 | ± 12.0 % |
| 835 | 55.2 | 0.97 | 11.04 | 11.04 | 11.04 | 0.40 | 0.87 | ± 12.0 % |
| 1750 | 53.4 | 1.49 | 8.77 | 8.77 | 8.77 | 0.39 | 0.86 | ± 12.0 % |
| 1900 | 53.3 | 1.52 | 8.33 | 8.33 | 8,33 | 0.41 | 0.86 | ± 12.0 % |
| 2300 | 52.9 | 1.81 | 8.11 | 8.11 | 8.11 | 0.40 | 0.90 | ± 12.0 % |
| 2450 | 52.7 | 1.95 | 8.02 | 8.02 | 8.02 | 0.37 | 0.90 | ± 12.0 % |
| 2600 | 52.5 | 2.16 | 7.69 | 7.69 | 7.69 | 0.27 | 0.98 | ± 12.0 % |
| 3500 | 51.3 | 3.31 | 7.00 | 7.00 | 7.00 | 0.40 | 1.35 | ± 13.1 % |
| 3700 | 51.0 | 3,55 | 6.85 | 6.85 | 6.85 | 0.40 | 1.35 | ± 13.1 % |
| 5250 | 48.9 | 5.36 | 4.90 | 4.90 | 4.90 | 0.50 | 1.90 | ± 13.1 % |
| 5600 | 48.5 | 5.77 | 4.13 | 4.13 | 4.13 | 0.50 | 1.90 | ± 13.1 % |
| 5750 | 48.3 | 5.94 | 4.37 | 4.37 | 4.37 | 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. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to \pm 110 MHz.

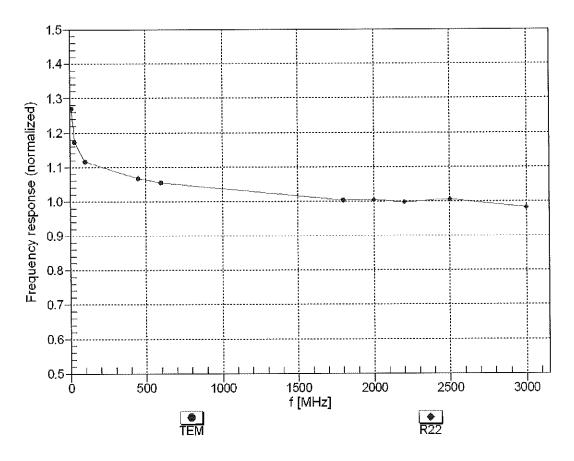
F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to

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

the ConvF uncertainty for indicated target tissue parameters.

A lipha/Dapth 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)



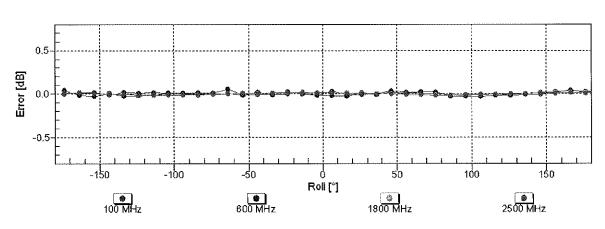
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

Tot

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

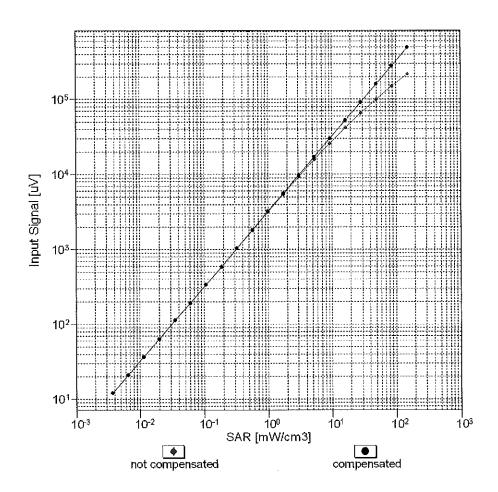
f=600 MHz,TEM f=1800 MHz,R22

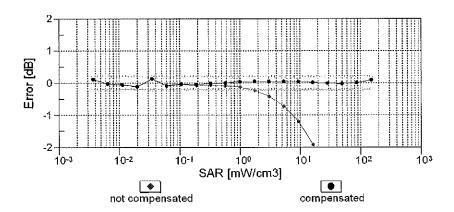
Tot



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

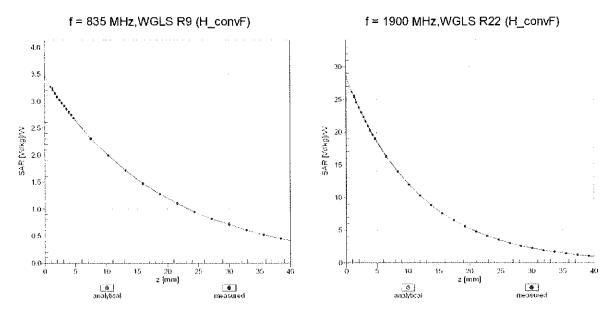
Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



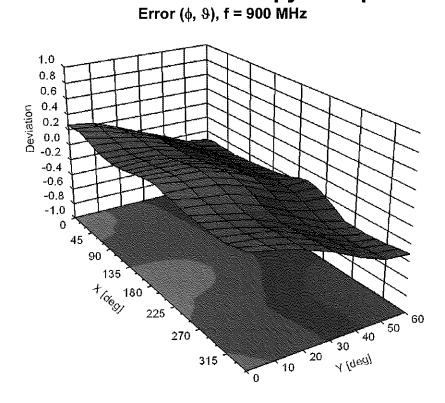


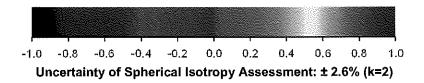
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid





Appendix: Modulation Calibration Parameters

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc ^E (k=2) |
|-------|-----|-----------------------------------------------------|--------------------|-------------|---------------------------|
| 0 | | CW | cw | 0.00 | ± 4.7 % |
| 10010 | CAA | SAR Validation (Square, 100ms, 10ms) | Test | 10.00 | ± 9.6 % |
| 10010 | CAB | UMTS-FDD (WCDMA) | WCDMA | 2.91 | ± 9.6 % |
| 10011 | CAB | IEEE 802,11b WiFi 2.4 GHz (DSSS, 1 Mbps) | WLAN | 1.87 | ± 9.6 % |
| 10012 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | WLAN | 9.46 | ± 9.6 % |
| 10013 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ± 9.6 % |
| 10021 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | ± 9.6 % |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 6.56 | ± 9.6 % |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0) | GSM | 12.62 | ± 9.6 % |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9.55 | ± 9.6 % |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | GSM | 4.80 | ± 9.6 % |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) | GSM | 3.55 | ± 9.6 % |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2) | GSM | 7.78 | ± 9.6 % |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1) | Bluetooth | 5.30 | ± 9.6 % |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3) | Bluetooth | 1.87 | ± 9.6 % |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5) | Bluetooth | 1.16 | ± 9.6 % |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) | Bluetooth | 7.74 | ± 9.6 % |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) | Bluetooth | 4.53 | ± 9.6 % |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5) | Bluetooth | 3.83 | ± 9.6 % |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1) | Bluetooth | 8,01 | ± 9.6 % |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Bluetooth | 4.77 | ± 9.6 % |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5) | Bluetooth | 4.10 | ± 9.6 % |
| 10039 | CAB | CDMA2000 (1xRTT, RC1) | CDMA2000 | 4.57 | ± 9.6 % |
| 10033 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS | 7.78 | ± 9.6 % |
| 10042 | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM) | AMPS | 0.00 | ± 9.6 % |
| 10044 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | DECT | 13.80 | ± 9.6 % |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | DECT | 10.79 | ± 9.6 % |
| 10045 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps) | TD-SCDMA | 11.01 | ± 9.6 % |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | ± 9.6 % |
| 10059 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) | WLAN | 2.12 | ± 9.6 % |
| 10059 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) | WLAN | 2,83 | ± 9.6 % |
| 10060 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) | WLAN | 3.60 | ± 9.6 % |
| 10062 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) | WLAN | 8.68 | ± 9.6 % |
| 10063 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) | WLAN | 8.63 | ± 9.6 % |
| 10064 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) | WLAN | 9.09 | ± 9.6 % |
| 10065 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps) | WLAN | 9.00 | ± 9.6 % |
| 10066 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps) | WLAN | 9.38 | ± 9.6 % |
| 10067 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps) | WLAN | 10.12 | ± 9.6 % |
| 10067 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | ± 9.6 % |
| 10069 | CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) | WLAN | 10.56 | ± 9.6 % |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps) | WLAN | 9.83 | ± 9.6 % |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.62 | ±9.6 % |
| 10072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | WLAN | 9.94 | ± 9.6 % |
| 10073 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | WLAN | 10.30 | ± 9.6 % |
| 10075 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | WLAN | 10.77 | ± 9.6 % |
| 10076 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | WLAN | 10.94 | ± 9.6 % |
| 10077 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | WLAN | 11.00 | ± 9.6 % |
| 10077 | CAB | CDMA2000 (1xRTT, RC3) | CDMA2000 | 3.97 | ± 9.6 % |
| 10081 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS | 4.77 | ± 9.6 % |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 6.56 | ± 9.6 % |
| 10090 | CAB | UMTS-FDD (HSDPA) | WCDMA | 3.98 | ± 9.6 % |
| 10097 | CAB | UMTS-FDD (HSUPA, Subtest 2) | WCDMA | 3.98 | ± 9.6 % |
| 10099 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | GSM | 9.55 | ± 9.6 % |
| 10100 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-FDD | 5.67 | ± 9.6 % |
| 10100 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 % |
| 10101 | CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
| 10102 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6 % |
| 10103 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.97 | ± 9.6 % |
| | | | LTE-TDD | 10.01 | ± 9.6 % |
| 10105 | CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | [_1 F= " [3 1 | | |

| 10100 | | LITE EDD (0.0 EDIN) (0.00) DD (0.10) (1.0 C.10) | 1 1 111111 1111111111111111111111111111 | 0.40 | |
|-------|---------|-------------------------------------------------------------------------------|-----------------------------------------|--------------|------------|
| 10109 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10110 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 % |
| 10111 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.44 | ± 9.6 % |
| 10112 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.59 | ± 9.6 % |
| 10113 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 % |
| 10114 | CAC | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| 10115 | CAC | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | WLAN | 8.46 | ±9.6% |
| 10116 | CAC | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN | 8.15 | ± 9.6 % |
| 10117 | CAC | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8.07 | ± 9.6 % |
| 10118 | CAC | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | WLAN | 8.59 | ± 9.6 % |
| 10119 | CAC | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10140 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10141 | CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.53 | ±9.6 % |
| 10142 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10143 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.35 | ± 9.6 % |
| 10144 | CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.65 | ± 9.6 % |
| 10145 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.76 | ± 9.6 % |
| 10146 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.41 | ± 9.6 % |
| 10147 | | 1 | LTE-FDD | | ±9.6% |
| 1 | CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | | 6.72 | |
| 10149 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ±9.6% |
| 10150 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ±9.6% |
| 10151 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-TDD | 9.28 | ± 9.6 % |
| 10152 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.92 | ± 9.6 % |
| 10153 | CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.05 | ±9.6% |
| 10154 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 % |
| 10155 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ±9.6% |
| 10156 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-FDD | 5.79 | ± 9.6 % |
| 10157 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10158 | CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.62 | ±9.6% |
| 10159 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.56 | ± 9.6 % |
| 10160 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-FDD | 5.82 | ±9.6% |
| 10161 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10162 | CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.58 | ± 9.6 % |
| 10166 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.46 | ± 9.6 % |
| 10167 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.21 | ± 9.6 % |
| 10168 | CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.79 | ± 9.6 % |
| 10169 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 % |
| 10170 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.6% |
| 10171 | AAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-FDD | 6.49 | ±9.6 % |
| 10172 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10173 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10174 | CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10175 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10176 | · • | | LTE-FDD | | |
| 10176 | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-FDD | 6.52 5.73 | ±9.6 % |
| | 1 | | | | ±9.6% |
| 10178 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-FDD | 6.52 | ±9.6 % |
| | CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-FDD | 6.50 | ±9.6 % |
| 10180 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-FDD | 6.50 | ±9.6 % |
| 10181 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-FDD | 5.72 | ±9.6% |
| 10182 | CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10183 | AAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10184 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10185 | CAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-FDD | 6.51 | ± 9.6 % |
| 10186 | AAE | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-FDD | 6.50 | ±9.6% |
| 10187 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-FDD | 5.73 | ±9.6 % |
| 10188 | CAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10189 | AAF | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.50 | ±9.6% |
| 10193 | CAC | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) | WLAN | 8.09 | ±9.6 % |
| 10194 | CAC | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | WLAN | 8.12 | ± 9.6 % |
| 10195 | CAC | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | WLAN | 8.21 | ± 9.6 % |
| 10196 | CAC | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| 10197 | CAC | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10198 | CAC | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) | WLAN | 8.27 | ± 9.6 % |
| 10219 | CAC | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN | 8.03 | ± 9.6 % |
| | , 57.10 | 1 | 1 | , 0.00 | , = 0.0 /0 |

| 10220 | CAC | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | WLAN | 8.13 | ±9.6 % |
|----------------------------------|------------|------------------------------------------------------------------------|----------------------|---------------|--------------------|
| 10221 | CAC | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) | WLAN | 8.27 | ± 9.6 % |
| 10222 | CAC | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) | WLAN | 8.06 | ± 9.6 % |
| 10223 | CAC | IEEE 802,11n (HT Mixed, 90 Mbps, 16-QAM) | WLAN | 8.48 | ± 9.6 % |
| 10224 | CAC | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | WLAN | 8.08 | ± 9.6 % |
| 10225 | CAB | UMTS-FDD (HSPA+) | WCDMA | 5.97 | ± 9.6 % |
| 10226 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.49 | ± 9.6 % |
| 10227 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.26 | ±9.6% |
| 10228 | CAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TDD | 9.22 | ±9.6% |
| 10229 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10230 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10231 | CAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-TDD | 9.19 | ± 9.6 % |
| 10232 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10233 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6% |
| 10234 | CAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10235 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10236 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10237 | CAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | | | |
| 10237 | CAG | | LTE-TDD | 9.21 | ± 9.6 % |
| 10238 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| | | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-TDD | 10.25 | ±9.6 % |
| 10240 | CAF | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-TDD | 9.21 | ±9.6 % |
| 10241 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.82 | ± 9.6 % |
| 10242 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 9.86 | ± 9.6 % |
| 10243 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.46 | ± 9.6 % |
| 10244 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10245 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-TDD | 10.06 | ±9.6% |
| 10246 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-TDD | 9.30 | ± 9.6 % |
| 10247 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.91 | ± 9.6 % |
| 10248 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.09 | ± 9.6 % |
| 10249 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6 % |
| 10250 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.81 | ± 9.6 % |
| 10251 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.17 | ± 9.6 % |
| 10252 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TDD | 9.24 | ± 9.6 % |
| 10253 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-TDD | 9.90 | ±9.6 % |
| 10254 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.14 | ± 9.6 % |
| 10255 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-TDD | 9.20 | ± 9.6 % |
| 10256 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.96 | ± 9.6 % |
| 10257 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.08 | ± 9.6 % |
| 10258 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.34 | ± 9.6 % |
| 10259 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-TDD | 9.98 | ± 9.6 % |
| 10260 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-TOD | 9.97 | ± 9.6 % |
| 10261 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-TDD | 9.97 | ± 9.6 % |
| 10262 | CAG | LTE-TDD (GC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-TDD | | |
| 10263 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-TDD | 9.83 | ± 9.6 % ± 9.6 % |
| 10264 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-TDD | 9.23 | |
| 10265 | CAG | | | | ± 9.6 % |
| 10265 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-TOD | 9.92 | ±9.6% |
| | | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.07 | ± 9.6 % |
| 10267 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-TDD | 9.30 | ± 9.6 % |
| 10268 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10269 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.13 | ±9.6% |
| 10270 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-TDD | 9.58 | ±9.6% |
| 10274 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) | WCDMA | 4.87 | ±9.6% |
| 10275 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | WCDMA | 3.96 | ±9.6% |
| 10277 | CAA | PHS (QPSK) | PHS | 11.81 | ± 9.6 % |
| 10278 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5) | PHS | 11.81 | ± 9.6 % |
| 10279 | CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38) | PHS | 12.18 | ± 9.6 % |
| 10290 | AAB | CDMA2000, RC1, SO55, Full Rate | CDMA2000 | 3.91 | ±9.6 % |
| | AAB | CDMA2000, RC3, SO55, Full Rate | CDMA2000 | 3.46 | ±9.6 % |
| 10291 | | ODA440000 DO0 0000 F-11 D-1- | CDMA2000 | 3.39 | ± 9.6 % |
| | AAB | CDMA2000, RC3, SO32, Full Rate | 000,111,12000 | 0.00 | |
| 10291 | AAB AAB | CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate | CDMA2000 | 3.50 | |
| 10291 10292 | | , | | 3.50 | ±9.6 % |
| 10291 10292 10293 | AAB | CDMA2000, RC3, SO3, Full Rate CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | CDMA2000 | 3.50 12.49 | ±9.6 % ±9.6 % |
| 10291 10292 10293 10295 | AAB AAB | CDMA2000, RC3, SO3, Full Rate | CDMA2000 CDMA2000 | 3.50 | ±9.6 % |

| 10200 | | LTE EDD (CO EDMA EON DD 2 MILL CA OAM) | LTE-FDD | 6.60 | 1069/ |
|-------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------|------------------------------------------------|
| 10300 | AAD AAA | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC) | WiMAX | 6.60 12.03 | ±9.6 % ±9.6 % |
| 10301 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL) | WIMAX | 12.57 | ± 9.6 % |
| 10302 | AAA | IEEE 802.16e WIMAX (23.16, 5ms, 10MHz, 64QAM, PUSC) | WIMAX | 12.52 | ± 9.6 % |
| 10304 | AAA | IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) | WiMAX | 11.86 | ± 9.6 % |
| 10305 | AAA | IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC) | WIMAX | 15.24 | ± 9.6 % |
| 10306 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC) | WIMAX | 14.67 | ± 9.6 % |
| 10307 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC) | WiMAX | 14.49 | ± 9.6 % |
| 10308 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) | WiMAX | 14.46 | ± 9.6 % |
| 10309 | AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3) | WiMAX | 14.58 | ±9.6% |
| 10310 | AAA | IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3 | WIMAX | 14.57 | ± 9.6 % |
| 10311 | AAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-FDD | 6.06 | ± 9.6 % |
| 10313 | AAA | IDEN 1:3 | IDEN | 10.51 | ±9.6% |
| 10314 | AAA | IDEN 1:6 | IDEN | 13.48 | ±9.6% |
| 10315 | AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc) | WLAN | 1.71 | ±9.6% |
| 10316 | AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10317 | AAC | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10352 | AAA | Pulse Waveform (200Hz, 10%) | Generic | 10.00 | ±9.6% |
| 10353 | AAA | Pulse Waveform (200Hz, 20%) | Generic | 6.99 | ±9.6% |
| 10354 | AAA | Pulse Waveform (200Hz, 40%) | Generic | 3.98 | ±9.6% |
| 10355 | AAA | Pulse Waveform (200Hz, 60%) | Generic | 2.22 | ± 9.6 % |
| 10356 | AAA | Pulse Waveform (200Hz, 80%) | Generic | 0.97 | ± 9.6 % |
| 10387 | AAA | QPSK Waveform, 1 MHz | Generic | 5.10 | ± 9.6 % |
| 10388 | AAA | QPSK Waveform, 10 MHz | Generic | 5.22 | ± 9.6 % |
| 10396 | AAA | 64-QAM Waveform, 100 kHz | Generic | 6.27 | ± 9.6 % |
| 10399 | AAA | 64-QAM Waveform, 40 MHz | Generic | 6.27 | ± 9.6 % |
| 10400 | AAD | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc) | WLAN | 8.37 | ±9.6% |
| 10401 | AAD | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10402 | AAD | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc) | WLAN | 8.53 | ± 9.6 % |
| 10403 | AAB | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.76 | ± 9.6 % |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A) | CDMA2000 | 3.77 | ±9.6 % |
| 10406 | AAB | CDMA2000, RC3, SO32, SCH0, Full Rate | CDMA2000 | 5.22 | ± 9.6 % |
| 10410 | AAG | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9) | LTE-TDD | 7.82 | ± 9.6 % |
| 10414 | AAA | WLAN CCDF, 64-QAM, 40MHz | Generic | 8.54 | ±9.6% |
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc) | WLAN WLAN | 1.54 | ±9.6% |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 % |
| 10417 | | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 8.14 | ± 9.6 % |
| 10418 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) | WLAN | 8.19 | ± 9.6 % ± 9.6 % |
| 10419 | AAB | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | ± 9.6 % |
| 10422 | AAB | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | WLAN | 8.47 | ± 9.6 % |
| 10424 | AAB | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 10-QAM) | WLAN | 8.40 | ± 9.6 % |
| 10425 | AAB | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-62-M) | WLAN | 8.41 | ± 9.6 % |
| 10426 | AAB | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) | WLAN | 8.45 | ± 9.6 % |
| 10427 | AAB | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) | WLAN | 8.41 | ± 9.6 % |
| 10427 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | LTE-FDD | 8.28 | ± 9.6 % |
| 10431 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | LTE-FDD | 8.38 | ±9.6 % |
| 10432 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ±9.6 % |
| 10433 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ±9.6 % |
| 10434 | AAA | W-CDMA (BS Test Model 1, 64 DPCH) | WCDMA | 8.60 | ± 9.6 % |
| 10435 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9.6 % |
| 10447 | AAD | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.56 | ± 9.6 % |
| 10448 | AAD | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | LTE-FDD | 7.53 | ±9.6 % |
| 10449 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | LTE-FDD | 7.51 | ± 9.6 % |
| 10110 | | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.48 | ± 9.6 % |
| 10450 | AAC | | | | |
| | AAC AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7.59 | ± 9.6 % |
| 10450 | | | WCDMA Test | 7.59 | ±9.6 % |
| 10450 10451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | - | ; | |
| 10450 10451 10453 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) Validation (Square, 10ms, 1ms) | Test | 10.00 | ± 9.6 % |
| 10450 10451 10453 10456 | AAA AAD AAB | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) Validation (Square, 10ms, 1ms) IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) | Test WLAN | 10.00 8.63 | ± 9.6 % ± 9.6 % |
| 10450 10451 10453 10456 10457 | AAA AAD AAB AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) Validation (Square, 10ms, 1ms) IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA) | Test WLAN WCDMA | 10.00 8.63 6.62 | ± 9.6 % ± 9.6 % ± 9.6 % |
| 10450 10451 10453 10456 10457 10458 | AAA AAB AAA AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) Validation (Square, 10ms, 1ms) IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 (1xEV-DO, Rev. B, 3 carriers) UMTS-FDD (WCDMA, AMR) | Test WLAN WCDMA CDMA2000 | 10.00 8.63 6.62 6.55 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10450 10451 10453 10456 10457 10458 10459 | AAA AAB AAA AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) Validation (Square, 10ms, 1ms) IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | Test WLAN WCDMA CDMA2000 CDMA2000 | 10.00 8.63 6.62 6.55 8.25 | ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % |

| 10100 | | LITE TOD (OO FOLIA A DO A ANIII AA AAA AK AK AA | L TO TO D | | |
|--------|-----|-----------------------------------------------------|-----------|--------|-----------|
| 10463 | AAB | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ± 9.6 % |
| 10464 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ±9.6% |
| 10465 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ±9.6% |
| 10466 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10467 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10468 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10469 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ± 9.6 % |
| 10470 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10471 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10472 | AAF | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10473 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10474 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10475 | AAE | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.57 | ± 9.6 % |
| 10477 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10478 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10479 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10480 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.18 | ± 9.6 % |
| 10481 | AAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ± 9.6 % |
| 10482 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.71 | ± 9.6 % |
| 10483 | AAC | | | | |
| 10484 | AAC | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub) | LTE-TOD | 8.39 | ±9.6% |
| | | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.47 | ± 9.6 % |
| 10485 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub) | LTE-TOD | 7.59 | ± 9.6 % |
| 10486 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.38 | ± 9.6 % |
| 10487 | AAF | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.60 | ±9.6% |
| 10488 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.70 | ±9.6% |
| 10489 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ± 9.6 % |
| 10490 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| 10491 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10492 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.41 | ± 9.6 % |
| 10493 | AAE | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ± 9.6 % |
| 10494 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10495 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.37 | ±9.6 % |
| 10496 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ±9.6 % |
| 10497 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | ±9.6% |
| 10498 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.40 | ± 9.6 % |
| 10499 | AAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TOD | 8.68 | ±9.6% |
| 10500 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | ± 9.6 % |
| 10501 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.44 | ± 9.6 % |
| 10502 | AAC | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.52 | ± 9.6 % |
| 10503 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.72 | ± 9.6 % |
| 10504 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ±9.6% |
| 10505 | AAF | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| 10506 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10507 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.36 | ± 9.6 % |
| 10507 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ± 9.6 % |
| 10509 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.99 | ± 9.6 % |
| 10509 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QF3R, 0L 30b) | LTE-TDD | 8.49 | ± 9.6 % |
| 10510 | AAE | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | | |
| | | | | 8.51 | ±9.6% |
| 10512 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub) | LTE TOD | 7.74 | ± 9.6 % |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.42 | ±9.6 % |
| 10514 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ±9.6 % |
| 10515 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc) | WLAN | 1.58 | ± 9.6 % |
| 10516 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) | WLAN | 1.57 | ±9.6% |
| 10517 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc) | WLAN | 1.58 | ± 9.6 % |
| 10518 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc) | WLAN | 8.23 | ±9.6% |
| 10519 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc) | WLAN | 8.39 | ±9.6 % |
| 10520 | AAB | IEEE 802.11a/h WiFl 5 GHz (OFDM, 18 Mbps, 99pc dc) | WLAN | 8.12 | ± 9.6 % |
| 10521 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc) | WLAN | 7.97 | ±9.6 % |
| 10522 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) | WLAN | 8.45 | ±9.6 % |
| 10523 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc) | WLAN | 8.08 | ± 9.6 % |
| 10524 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) | WLAN | 8.27 | ± 9.6 % |
| 10525 | AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10526 | AAB | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10527 | AAB | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc) | WLAN | 8.21 | ± 9.6 % |
| ,,,,,, | 1 | | 1 ", | 1 0.51 | , -0.0 70 |

January 21, 2020

| 40500 | | LEEE 200 44 14/E: (60) 41) 11000 00 E) | 1 100 ANI | 1 000 | 1000 |
|-------|-------|---------------------------------------------------------|-----------|--------|------------|
| 10528 | AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10529 | AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10531 | AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc) | WLAN | 8.43 | ± 9.6 % |
| 10532 | AAB | IEEE 802,11ac WiFi (20MHz, MCS7, 99pc dc) | WLAN | 8,29 | ± 9.6 % |
| 10533 | AAB | IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc) | WLAN | 8.38 | ±9.6 % |
| 10534 | AAB | IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10535 | AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10536 | AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc) | WLAN | 8.32 | ± 9.6 % |
| 10537 | AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) | WLAN | 8.44 | ± 9.6 % |
| 10538 | AAB | IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) | WLAN | 8.54 | ±9.6% |
| 10540 | AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) | WLAN | 8.39 | ±9.6% |
| 10541 | AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) | WLAN | 8.46 | ±9.6% |
| 10542 | AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) | WLAN | 8.65 | ± 9.6 % |
| 10543 | AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) | WLAN | 8.65 | ±9.6% |
| 10544 | AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) | WLAN | 8.47 | ±9.6% |
| 10545 | AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10546 | AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc) | WLAN | 8.35 | ± 9.6 % |
| 10547 | AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10548 | AAB | IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 10550 | AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc) | WLAN | 8.38 | ±9.6% |
| 10551 | AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc) | WLAN | 8.50 | ± 9.6 % |
| 10552 | AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10553 | AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10554 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc) | WLAN | 8.48 | ± 9.6 % |
| 10555 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc) | WLAN | 8.47 | ±9.6% |
| 10556 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc) | WLAN | 8.50 | ± 9.6 % |
| 10557 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc) | WLAN | 8.52 | ±9.6% |
| 10558 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc) | WLAN | 8.61 | ± 9.6 % |
| 10560 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc) | WLAN | 8.73 | ± 9.6 % |
| 10561 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc) | WLAN | 8.56 | ±9.6 % |
| 10562 | AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc) | WLAN | 8.69 | ± 9.6 % |
| 10563 | AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10564 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10565 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10566 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) | WLAN | 8.13 | ±9.6 % |
| 10567 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) | WLAN | 8.00 | ±9.6% |
| 10568 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 10569 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) | WLAN | 8.10 | ±9.6 % |
| 10570 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) | WLAN | 8.30 | ± 9.6 % |
| 10571 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) | WLAN | 1.99 | ± 9.6 % |
| 10572 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) | WLAN | 1.99 | ±9.6% |
| 10573 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) | WLAN | 1.98 | ±9.6 % |
| 10574 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc) | WLAN | 1.98 | ± 9.6 % |
| 10575 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | ±9.6 % |
| 10576 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10577 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ±9.6% |
| 10578 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10579 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10580 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10581 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) | WLAN | 8.35 | ± 9.6 % |
| 10582 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10583 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | ± 9.6 % |
| 10584 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10585 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10586 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10587 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 75 Mbps, 90pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10588 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10589 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) | WLAN | 8.35 | ± 9.6 % |
| 10590 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10591 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc) | WLAN | 8.63 | ± 9.6 % |
| 10591 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10593 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 30pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10594 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 30pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10595 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10030 | יארין | TEEE 002.1 III (111 MIXOU, 20MI 12, MOO4, 00p0 00) | 110 111 | 1 0.14 | 1 2 0.0 /0 |

| | ¥ | | | | |
|----------------|-----|----------------------------------------------------------|----------|-------|--------------------|
| 10596 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc) | WLAN | 8.71 | ± 9.6 % |
| 10597 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) | WLAN | 8.72 | ± 9.6 % |
| 10598 | AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc) | WLAN | 8.50 | ± 9.6 % |
| 10599 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10600 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc) | WLAN | 8.88 | ± 9.6 % |
| 10601 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10602 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10603 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc) | WLAN | 9.03 | ± 9.6 % |
| 10604 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10605 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc) | WLAN | 8.97 | ± 9.6 % |
| 10606 | AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10607 | AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10608 | AAB | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10609 | AAB | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc) | WLAN | 8.57 | ± 9.6 % |
| 10610 | AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10611 | AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10612 | AAB | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10613 | AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10614 | AAB | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc) | WLAN | 8.59 | ± 9.6 % |
| 10615 | AAB | IEEE 802.11ac Wifi (20MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10616 | AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 30pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10616 | | *************************************** | WLAN | 8.81 | ±9.6 % |
| | AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc) | WLAN | | |
| 10618 | AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc) | WLAN | 8.58 | ± 9.6 % ± 9.6 % |
| 10619 | AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc) | | 8.86 | |
| 10620 | AAB | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc) | WLAN | 8.87 | ± 9.6 % |
| 10621 | AAB | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc) | WLAN | 8.77 | ±9.6% |
| 10622 | AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc) | WLAN | 8.68 | ± 9.6 % |
| 10623 | AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10624 | AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc) | WLAN | 8.96 | ± 9.6 % |
| 10625 | AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc) | WLAN | 8.96 | ± 9.6 % |
| 10626 | AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10627 | AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc) | WLAN | 8.88 | ± 9.6 % |
| 10628 | AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc) | WLAN | 8.71 | ±9.6% |
| 10629 | AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc) | WLAN | 8.85 | ±9.6% |
| 10630 | AAB | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc) | WLAN | 8.72 | ±9.6% |
| 10631 | AAB | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc) | WLAN | 8.81 | ±9.6% |
| 10632 | AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | ±9.6 % |
| 10633 | AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc) | WLAN | 8.83 | ±9.6% |
| 10634 | AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc) | WLAN | 8.80 | ± 9.6 % |
| 10635 | AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10636 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc) | WLAN | 8.83 | ±9.6% |
| 10637 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10638 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc) | WLAN | 8.86 | ±9.6 % |
| 10639 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc) | WLAN | 8.85 | ± 9.6 % |
| 10640 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc) | WLAN | 8.98 | ± 9.6 % |
| 10641 | AAC | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc) | WLAN | 9.06 | ± 9.6 % |
| 10641 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc) | WLAN | 9.06 | ± 9.6 % |
| 10642 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc) | WLAN | 8.89 | ±96% |
| 10643 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 30pc dc) | WLAN | 9.05 | ±9.6 % |
| | | | WLAN | | |
| 10645 | AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) | | 9.11 | ±9.6% |
| 10646 | AAG | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ±9.6% |
| 10647 | AAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10648 | AAA | CDMA2000 (1x Advanced) | CDMA2000 | 3.45 | ± 9.6 % |
| 10652 | AAE | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.91 | ± 9.6 % |
| 10653 | AAE | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.42 | ± 9.6 % |
| 10654 | AAD | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.96 | ± 9.6 % |
| 10655 | AAE | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.21 | ±9.6% |
| 10658 | AAA | Pulse Waveform (200Hz, 10%) | Test | 10.00 | ±9.6 % |
| 10659 | AAA | Pulse Waveform (200Hz, 20%) | Test | 6.99 | ± 9.6 % |
| | AAA | Pulse Waveform (200Hz, 40%) | Test | 3.98 | ± 9.6 % |
| 10660 | | Pulse Waveform (200Hz, 60%) | Test | 2.22 | ± 9.6 % |
| 10660 10661 | AAA | Pulse Wavelorn (200Hz, 60%) | 1031 | | |
| | AAA | Pulse Waveform (200Hz, 80%) Pulse Waveform (200Hz, 80%) | Test | 0.97 | ± 9.6 % |
| 10661 | | | | | |

| 10672 10673 10674 10675 10676 10677 10678 10679 10680 10681 10682 10683 | AAA AAA AAA AAA AAA AAA | IEEE 802.11ax (20MHz, MCS1, 90pc dc) IEEE 802.11ax (20MHz, MCS2, 90pc dc) IEEE 802.11ax (20MHz, MCS3, 90pc dc) IEEE 802.11ax (20MHz, MCS4, 90pc dc) | WLAN WLAN WLAN WLAN | 8.57 8.78 8.74 | ±9.6 % ±9.6 % ±9.6 % |
|----------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------|----------------------------|
| 10674 10675 10676 10677 10678 10679 10680 10681 10682 10683 | AAA AAA AAA AAA | IEEE 802.11ax (20MHz, MCS3, 90pc dc) IEEE 802.11ax (20MHz, MCS4, 90pc dc) | WLAN | 8.74 | |
| 10675 10676 10677 10678 10679 10680 10681 10682 10683 | AAA AAA AAA | IEEE 802.11ax (20MHz, MCS4, 90pc dc) | | | ± 9.6 % |
| 10676 10677 10678 10679 10680 10681 10682 10683 | AAA AAA AAA | | IAA NAI | | |
| 10677 10678 10679 10680 10681 10682 10683 | AAA AAA | | VYLAN | 8.90 | ±9.6 % |
| 10678 10679 10680 10681 10682 10683 | AAA AAA | IEEE 802.11ax (20MHz, MCS5, 90pc dc) | WLAN | 8,77 | ± 9.6 % |
| 10678 10679 10680 10681 10682 10683 | AAA | IEEE 802.11ax (20MHz, MCS6, 90pc dc) | WLAN | 8.73 | ± 9.6 % |
| 10679 10680 10681 10682 10683 | | IEEE 802.11ax (20MHz, MCS7, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10680 10681 10682 10683 | ~~~ | IEEE 802.11ax (20MHz, MCS8, 90pc dc) | WLAN | 8.89 | ± 9.6 % |
| 10681 10682 10683 | AAA | IEEE 802.11ax (20MHz, MCS9, 90pc dc) | WLAN | 8.80 | ± 9.6 % |
| 10682 10683 | AAA | IEEE 802.11ax (20MHz, MCS10, 90pc dc) | WLAN | 8.62 | ± 9.6 % |
| 10683 | AAA | IEEE 802.11ax (20MHz, MCS11, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| | AAA | IEEE 802.11ax (20MHz, MCS0, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10684 | AAA | IEEE 802.11ax (20MHz, MCS1, 99pc dc) | WLAN | 8.26 | ± 9.6 % |
| 10685 | AAA | IEEE 802.11ax (20MHz, MCS2, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| 10686 | AAA | IEEE 802.11ax (20MHz, MCS3, 99pc dc) | WLAN | 8.28 | ± 9.6 % |
| 10687 | AAA | | WLAN | | |
| | | IEEE 802.11ax (20MHz, MCS4, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10688 | AAA | IEEE 802.11ax (20MHz, MCS5, 99pc dc) | | 8.29 | ± 9.6 % |
| 10689 | AAA | IEEE 802.11ax (20MHz, MCS6, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10690 | AAA | IEEE 802.11ax (20MHz, MCS7, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10691 | AAA | IEEE 802.11ax (20MHz, MCS8, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10692 | AAA | IEEE 802.11ax (20MHz, MCS9, 99pc dc) | WLAN | 8.29 | ±9.6% |
| 10693 | AAA | IEEE 802.11ax (20MHz, MCS10, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10694 | AAA | IEEE 802.11ax (20MHz, MCS11, 99pc dc) | WLAN | 8.57 | ± 9.6 % |
| 10695 | AAA | IEEE 802.11ax (40MHz, MCS0, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10696 | AAA | IEEE 802.11ax (40MHz, MCS1, 90pc dc) | WLAN | 8.91 | ± 9.6 % |
| 10697 | AAA | IEEE 802.11ax (40MHz, MCS2, 90pc dc) | WLAN | 8.61 | ± 9.6 % |
| 10698 | AAA | IEEE 802.11ax (40MHz, MCS3, 90pc dc) | WLAN | 8.89 | ±9.6% |
| 10699 | AAA | IEEE 802.11ax (40MHz, MCS4, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10700 | AAA | IEEE 802.11ax (40MHz, MCS5, 90pc dc) | WLAN | 8.73 | ± 9.6 % |
| 10701 | AAA | IEEE 802.11ax (40MHz, MCS6, 90pc dc) | WLAN | 8.86 | ± 9.6 % |
| 10702 | AAA | IEEE 802.11ax (40MHz, MCS7, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10703 | AAA | IEEE 802.11ax (40MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10704 | AAA | IEEE 802.11ax (40MHz, MCS9, 90pc dc) | WLAN | 8.56 | ±9.6% |
| 10705 | AAA | IEEE 802.11ax (40MHz, MCS10, 90pc dc) | WLAN | 8.69 | ±9.6 % |
| 10706 | AAA | IEEE 802.11ax (40MHz, MCS11, 90pc dc) | WLAN | 8.66 | ± 9.6 % |
| 10707 | AAA | IEEE 802.11ax (40MHz, MCS0, 99pc dc) | WLAN | 8.32 | ± 9.6 % |
| 10708 | AAA | IEEE 802.11ax (40MHz, MCS1, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10709 | AAA | IEEE 802.11ax (40MHz, MCS2, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| 10710 | AAA | IEEE 802.11ax (40MHz, MCS3, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10711 | AAA | IEEE 802.11ax (40MHz, MCS4, 99pc dc) | WLAN | 8.39 | ± 9.6 % |
| 10711 | AAA | IEEE 802.11ax (40MHz, MCS5, 99pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10713 | AAA | IEEE 802.11ax (40MHz, MCS6, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| 10713 | AAA | IEEE 802.11ax (40MHz, MCS7, 99pc dc) | WLAN | 8.26 | ± 9.6 % |
| 10715 | AAA | IEEE 802.11ax (40MHz, MCS7, 35pc dc) | WLAN | | |
| | L | IEEE 802.11ax (40MHz, MCS9, 99pc dc) | WLAN | 8.45 | ±9.6% |
| 10716 | AAA | | 1 | 8.30 | ± 9.6 % |
| 10717 | AAA | IEEE 802.11ax (40MHz, MCS10, 99pc dc) | WLAN | 8.48 | ± 9.6 % |
| 10718 | AAA | IEEE 802.11ax (40MHz, MCS11, 99pc dc) | WLAN | 8.24 | ± 9.6 % |
| 10719 | AAA | IEEE 802.11ax (80MHz, MCS0, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10720 | AAA | IEEE 802.11ax (80MHz, MCS1, 90pc dc) | WLAN | 8.87 | ± 9.6 % |
| 10721 | AAA | IEEE 802.11ax (80MHz, MCS2, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10722 | AAA | IEEE 802.11ax (80MHz, MCS3, 90pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10723 | AAA | IEEE 802.11ax (80MHz, MCS4, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10724 | AAA | IEEE 802.11ax (80MHz, MCS5, 90pc dc) | WLAN | 8.90 | ±9.6% |
| 10725 | AAA | IEEE 802.11ax (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | ±9.6% |
| 10726 | AAA | IEEE 802.11ax (80MHz, MCS7, 90pc dc) | WLAN | 8.72 | ± 9.6 % |
| 10727 | AAA | IEEE 802.11ax (80MHz, MCS8, 90pc dc) | WLAN | 8.66 | ± 9.6 % |
| 10728 | AAA | IEEE 802.11ax (80MHz, MCS9, 90pc dc) | WLAN | 8.65 | ± 9.6 % |
| 10729 | AAA | IEEE 802.11ax (80MHz, MCS10, 90pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10730 | AAA | IEEE 802.11ax (80MHz, MCS11, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10731 | AAA | IEEE 802.11ax (80MHz, MCS0, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10732 | AAA | IEEE 802.11ax (80MHz, MCS1, 99pc dc) | WLAN | 8.46 | ± 9.6 % |
| 10733 | AAA | IEEE 802.11ax (80MHz, MCS2, 99pc dc) | WLAN | 8.40 | ± 9.6 % |
| 10734 | AAA | IEEE 802.11ax (80MHz, MCS3, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10735 | AAA | IEEE 802.11ax (80MHz, MCS4, 99pc dc) | WLAN | 8.33 | ± 9.6 % |

| 40700 | | THE OO A CONTRACT OF THE | 1477 411 | | |
|-------|--------|----------------------------------------------------|---------------|------|--------------------|
| 10736 | AAA | IEEE 802.11ax (80MHz, MCS5, 99pc dc) | WLAN | 8.27 | ±9.6 % |
| 10737 | AAA | IEEE 802.11ax (80MHz, MCS6, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10738 | AAA | IEEE 802.11ax (80MHz, MCS7, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10739 | AAA | IEEE 802.11ax (80MHz, MCS8, 99pc dc) | WLAN | 8.29 | ±9.6 % |
| 10740 | AAA | IEEE 802.11ax (80MHz, MCS9, 99pc dc) | WLAN | 8.48 | ± 9.6 % |
| 10741 | AAA | IEEE 802.11ax (80MHz, MCS10, 99pc dc) | WLAN | 8.40 | ± 9.6 % |
| 10742 | AAA | IEEE 802,11ax (80MHz, MCS11, 99pc dc) | WLAN | 8.43 | ± 9.6 % |
| 10743 | AAA | IEEE 802.11ax (160MHz, MCS0, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10744 | AAA | IEEE 802.11ax (160MHz, MCS1, 90pc dc) | WLAN | 9.16 | ± 9.6 % |
| 10745 | AAA | IEEE 802,11ax (160MHz, MCS2, 90pc dc) | WLAN | 8.93 | ± 9.6 % |
| 10746 | AAA | IEEE 802.11ax (160MHz, MCS3, 90pc dc) | WLAN | 9.11 | ± 9.6 % |
| 10747 | AAA | IEEE 802.11ax (160MHz, MCS4, 90pc dc) | WLAN | 9.04 | ± 9.6 % |
| 10748 | AAA | IEEE 802.11ax (160MHz, MCS5, 90pc dc) | WLAN | | |
| 10748 | AAA | IEEE 802.11ax (160MHz, MCS6, 90pc dc) | WLAN | 8.93 | ± 9.6 % |
| 10750 | | ************************************** | | 8.90 | ± 9.6 % |
| | AAA | IEEE 802.11ax (160MHz, MCS7, 90pc dc) | WLAN | 8.79 | ±9.6 % |
| 10751 | AAA | IEEE 802.11ax (160MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10752 | AAA | IEEE 802.11ax (160MHz, MCS9, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10753 | AAA | IEEE 802.11ax (160MHz, MCS10, 90pc dc) | WLAN | 9.00 | ± 9.6 % |
| 10754 | AAA | IEEE 802.11ax (160MHz, MCS11, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10755 | AAA | IEEE 802.11ax (160MHz, MCS0, 99pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10756 | AAA | IEEE 802.11ax (160MHz, MCS1, 99pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10757 | AAA | IEEE 802.11ax (160MHz, MCS2, 99pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10758 | AAA | IEEE 802.11ax (160MHz, MCS3, 99pc dc) | WLAN | 8.69 | ± 9.6 % |
| 10759 | AAA | IEEE 802.11ax (160MHz, MCS4, 99pc dc) | WLAN | 8.58 | ± 9.6 % |
| 10760 | AAA | IEEE 802.11ax (160MHz, MCS5, 99pc dc) | WLAN | 8.49 | ±96% |
| 10761 | AAA | IEEE 802.11ax (160MHz, MCS6, 99pc dc) | WLAN | 8.58 | ±9.6% |
| 10762 | AAA | IEEE 802.11ax (160MHz, MCS7, 99pc dc) | WLAN | 8.49 | ±9.6% |
| 10763 | AAA | IEEE 802.11ax (160MHz, MCS8, 99pc dc) | WLAN | 8.53 | ± 9.6 % |
| 10764 | AAA | IEEE 802.11ax (160MHz, MCS9, 99pc dc) | WLAN | 8.54 | ±9.6 % |
| 10765 | AAA | IEEE 802.11ax (160MHz, MCS10, 99pc dc) | WLAN | 8.54 | ±9.6 % |
| 10766 | AAA | IEEE 802.11ax (160MHz, MCS11, 99pc dc) | WLAN | 8.51 | ± 9.6 % |
| 10767 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 7.99 | ±9.6% |
| 10768 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10769 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | |
| 10770 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % ± 9.6 % |
| 10771 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | |
| 10772 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.23 | ± 9.6 % |
| 10772 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.03 | ± 9.6 % |
| 10774 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| | | · | | | ± 9.6 % |
| 10775 | AAB | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 | ±96% |
| 10776 | AAC | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10777 | AAB | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.30 | ±9.6% |
| 10778 | AAC | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10779 | AAB | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10780 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10781 | AAC | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10782 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10783 | AAC | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 | ± 9.6 % |
| 10784 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.29 | ± 9.6 % |
| 10785 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10786 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10787 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.44 | ± 9.6 % |
| 10788 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10789 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10790 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ±9.6% |
| 10791 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.83 | ± 9.6 % |
| 10792 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.92 | ± 9.6 % |
| 10793 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.95 | ±96% |
| 10794 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ±9.6 % |
| 10795 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.84 | ± 9.6 % |
| 10796 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ± 9.6 % |
| 10797 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10798 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10799 | AAC | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | ± 9.6 % |
| | T. 7.0 | 1 00 th (0) Othern, tetal, ou with out on, ou king | 1 30 1111 100 | 1,00 | |

| 10801 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
|-------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------|------------|
| 10802 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.87 | ± 9.6 % |
| 10803 | AAC | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | ±9.6% |
| 10805 | AAC | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10806 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10809 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10810 | AAC | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10812 | AAC | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10817 | AAC | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ±9.6% |
| 10818 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ±9.6% |
| 10819 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.33 | ±9.6% |
| 10820 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10821 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10822 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10823 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10824 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.39 | ±9.6% |
| 10825 | AAC | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10827 | AAC | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.42 | ±9.6% |
| 10828 | AAC | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.43 | ±9.6% |
| 10829 | AAC | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10830 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.63 | ± 9.6 % |
| 10831 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.73 | ± 9.6 % |
| 10832 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.74 | ± 9.6 % |
| 10833 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ±9.6% |
| 10834 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.75 | ± 9.6 % |
| 10835 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10836 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.66 | ±9.6% |
| 10837 | AAC | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.68 | ±9.6% |
| 10839 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ±9.6% |
| 10840 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.67 | ± 9.6 % |
| 10841 | AAC | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.71 | ±9.6% |
| 10843 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8,49 | ±9.6% |
| 10844 | AAC | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ±9.6% |
| 10846 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ±9.6% |
| 10854 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10855 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10856 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10857 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.35 | ±9.6% |
| 10858 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.36 | ±9.6% |
| 10859 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ±9.6% |
| 10860 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ±9.6% |
| 10861 | AAC | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.40 | ±9.6% |
| 10863 | AAC | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10864 | AAC | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ±9.6 % |
| 10865 | AAC | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10866 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10868 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.89 | ± 9.6 % |
| 10869 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.86 | ± 9.6 % |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52 | ± 9.6 % |
| 10873 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| 10874 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.39 | ± 9.6 % |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 7.95 | ± 9.6 % |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.12 | ± 9.6 % |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.38 | ± 9.6 % |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.96 | ± 9.6 % |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.57 | ±9.6 % |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.53 | ±9.6 % |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| | 1 | the state of the s | | , 5.01 | 1 = 0.0 /0 |

| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
|----------------|-----|--------------------------------------------------------------|-----------------|-------------|-----------------------------------------|
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.35 | ± 9.6 % |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.02 | ± 9.6 % |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.40 | ±9.6% |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.13 | ± 9.6 % |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | |
| | | | | | ± 9.6 % |
| 10897 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.66 | ± 9.6 % |
| 10898 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5,67 | ± 9.6 % |
| 10899 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10900 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10901 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6% |
| 10902 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10903 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10904 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| | | | | | \leftarrow |
| 10905 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10906 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ±9.6% |
| 10907 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.78 | ±9.6% |
| 10908 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ±9.6% |
| 10909 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.96 | ±9.6% |
| 10910 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ±9.6% |
| 10911 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10912 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| | + | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | | | *************************************** |
| 10913 | AAA | <u> </u> | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10914 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.85 | ± 9.6 % |
| 10915 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10916 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10917 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10918 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10919 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10920 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10921 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| | | | | | |
| 10922 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.82 | ± 9.6 % |
| 10923 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10924 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ±9.6% |
| 10925 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.95 | ± 9.6 % |
| 10926 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10927 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ±9.6% |
| 10928 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10929 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| | | | 5G NR FR1 FDD | | |
| 10930 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | | 5.52 | ± 9.6 % |
| 10931 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10932 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10933 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10934 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10935 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10936 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10937 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.77 | ± 9.6 % |
| 10938 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| <u> </u> | | | 5G NR FR1 FDD | |) |
| 10939 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | | 5.82 | ± 9.6 % |
| 10940 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.89 | ±9.6 % |
| 10941 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10942 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ±9.6% |
| 10943 | AAA | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.95 | ±9.6 % |
| 10944 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.81 | ± 9.6 % |
| 10945 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| 10946 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10947 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| | | | | | 1 |
| 10948 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10949 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| 10950 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10951 | AAA | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.92 | ± 9.6 % |
| | 1 | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.25 | ± 9.6 % |
| 10952 | AAA | 1 33 MIN DE (OF -OF DIVI, TW 3.1, 3 MI 12, 04-QAW, 13 KI 12) | 1 00 MIXTIXITED | 0.20 | 1 2 3 0 70 |
| 10952 10953 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.15 | ± 9.6 % |

| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.23 | ± 9.6 % |
|-------|-----|-----------------------------------------------------|---------------|------|---------|
| 10955 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.42 | ± 9.6 % |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.14 | ± 9.6 % |
| 10957 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.31 | ±9.6 % |
| 10958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.61 | ± 9.6 % |
| 10959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.33 | ± 9.6 % |
| 10960 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.32 | ± 9.6 % |
| 10961 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.36 | ± 9.6 % |
| 10962 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.40 | ± 9.6 % |
| 10963 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.55 | ± 9.6 % |
| 10964 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.29 | ± 9.6 % |
| 10965 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.37 | ± 9.6 % |
| 10966 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.55 | ± 9.6 % |
| 10967 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.42 | ±9.6% |
| 10968 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49 | ± 9.6 % |

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

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





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

Accreditation No.: SCS 0108

Certificate No: EX3-7527 Mar20

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

Client

PC Test

CALIBRATION CERTIFICATE

Object EX3DV4 - SN:7527

Calibration procedure(s) QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date:

March 17, 2020

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 \pm 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 | 03-Apr-19 (No. 217-02892/02893) | |
| Power sensor NRP-Z91 | SN: 103244 | 03-Apr-19 (No. 217-02892) | Apr-20 |
| Power sensor NRP-Z91 | SN: 103245 | 03-Apr-19 (No. 217-02893) | Apr-20 |
| Reference 20 dB Attenuator | SN: S5277 (20x) | 04-Apr-19 (No. 217-02894) | Apr-20 Apr-20 |
| DAE4 | SN: 660 | 27-Dec-19 (No. DAE4-660_Dec19) | Dec-20 |
| Reference Probe ES3DV2 | SN: 3013 | 31-Dec-19 (No. ES3-3013_Dec19) | Dec-20 |
| | | | |
| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB41293874 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-18) | In house check: Jun-20 |
| Network Analyzer E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-19) | In house check: Oct-20 |

Name Function Calibrated by: Michael Weber Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: March 18, 2020

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

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

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

ConvF DCP

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

CF A, B, C, D

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, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- 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 9 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is
 implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included
 in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

Certificate No: EX3-7527_Mar20

EX3DV4 - SN:7527

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7527

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|--------------------------------------------|----------|----------|----------|-----------|
| Norm (μV/(V/m) ²) ^A | 0.35 | 0.38 | 0.59 | ± 10.1 % |
| DCP (mV) ^B | 103.2 | 100.3 | 99.1 | |

Calibration Results for Modulation Response

| DID | Communication System Name | | A dB | B dB√µ∨ | С | D dB | VR mV | Max dev. | Max Unc ^E (k=2) |
|---------------|------------------------------------------|---|---------|------------|-------|---------|----------|-------------|----------------------------------|
| 0 | CW | Х | 0.00 | 0.00 | 1.00 | 0.00 | 151.9 | ± 3.0 % | ± 4.7 % |
| | | Υ | 0.00 | 0.00 | 1.00 | | 141.6 | 1 - 5.5 / | *** ' /\ |
| | | Z | 0.00 | 0.00 | 1.00 | 1 | 152.8 | 1 | |
| 10352- AAA | Pulse Waveform (200Hz, 10%) | X | 3.49 | 69.32 | 12.16 | 10.00 | 60.0 | ± 3.1 % | ± 9.6 % |
| | | Υ | 1.64 | 62.00 | 8.65 | Ī | 60.0 | 1 | - 510 / |
| | | Z | 20.00 | 88.52 | 18.64 | 1 | 60.0 | 1 | |
| 10353- AAA | Pulse Waveform (200Hz, 20%) | Х | 4.17 | 73.88 | 12.78 | 6.99 | 80.0 | ± 2.0 % | ± 9.6 % |
| | | Υ | 1.29 | 63.36 | 7.97 | | 80.0 | 1 | |
| | | Z | 20.00 | 90.75 | 18.56 | ĺ | 80.0 | 1 | |
| 10354- AAA | Pulse Waveform (200Hz, 40%) | Х | 20.00 | 88.76 | 15.83 | 3.98 | 95.0 | ± 1.3 % | ± 9.6 % |
| | | Y | 0.43 | 60.13 | 5.05 | | 95.0 | 1 | - *** /* |
| | | Z | 20.00 | 96.64 | 20.01 | | 95.0 | 1 | |
| 10355- AAA | Pulse Waveform (200Hz, 60%) | Х | 20.00 | 93.75 | 16.95 | 2.22 | 120.0 | ± 1.8 % | ± 9.6 % |
| | | Υ | 8.57 | 85.90 | 0.17 | | 120.0 | | |
| | | Z | 20.00 | 107.09 | 23.44 | | 120.0 | | |
| 10387- AAA | QPSK Waveform, 1 MHz | X | 1.57 | 68.03 | 15.29 | 1.00 | 150,0 | ± 3.6 % | ± 9.6 % |
| | | Y | 1.35 | 67.00 | 14.27 | | 150.0 | | |
| | | Z | 1.76 | 68.85 | 16.08 | | 150.0 | | |
| 10388- AAA | QPSK Waveform, 10 MHz | X | 2.03 | 67.70 | 15.72 | 0.00 | 150.0 | ± 1.1 % | ± 9.6 % |
| | | Υ | 1.84 | 66.85 | 15.14 | | 150.0 | | |
| | | Z | 2.30 | 69.46 | 16.62 | | 150.0 | | |
| 10396- AAA | 64-QAM Waveform, 100 kHz | Х | 2.58 | 69.90 | 18.52 | 3.01 | 150.0 | ± 1.2 % | ± 9.6 % |
| | | Υ | 2.06 | 65.93 | 16.71 | | 150.0 | | |
| 40000 | | Z | 2.94 | 71.66 | 19.42 | | 150.0 | | |
| 10399- AAA | 64-QAM Waveform, 40 MHz | X | 3.38 | 67.02 | 15.78 | 0.00 | 150.0 | ± 2.3 % | ± 9.6 % |
| | | Y | 3.22 | 66.47 | 15.47 | | 150.0 | | |
| | 1111 411 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Z | 3.55 | 67.78 | 16.21 | | 150.0 | | |
| 10414- AAA | WLAN CCDF, 64-QAM, 40MHz | X | 4.64 | 65.80 | 15.63 | 0.00 | 150.0 | ± 4.0 % | ± 9.6 % |
| | | Y | 4.63 | 66.05 | 15.77 | | 150.0 | | |
| | | Ζ | 4.65 | 65.49 | 15.53 | | 150.0 | | |

Note: For details on UID parameters see Appendix

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

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

B Numerical linearization parameter: uncertainty not required.

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