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# **NEAR-FIELD POWER DENSITY EVALUATION REPORT**

**Applicant Name** 

Samsung Electronics Co., Ltd. 129, Samsung-ro, Maetan dong, Yeongtong-gu, Suwon-si Gyeonggi-do, 16677, Korea Date of Testing 05/26/2020 - 06/01/2020 Test Site/Location PCTEST, Columbia, MD, USA Document Serial No: 1M2005050081-22.A3L

FCC ID: A3LSMN981U

APPLICANT: SAMSUNG ELECTRONICS CO., LTD.

**DUT Type:** Portable Handset

Application Type: Certification
FCC Rule Part(s): CFR §2.1093
Model: SM-N981U
Additional Model (s): SM-N981U1

	Tx Frequency	Measured psPD	Reported psPD
Band & Mode	MHz	mW/cm <sup>2</sup>	mW/cm <sup>2</sup>
5G NR - n261	27500 - 28350	0.671	0.750
5G NR - n260	37000 - 40000	0.433	0.750
Total Exposure Ratio		0.9	983
Verdict		PASS	

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them. Test results reported herein relate only to the item(s) tested.

Randy Ortanez President





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#### 1 DEVICE UNDER TEST

#### 1.1 Device Overview

	NR FR2 Operations Information					
Form Factor		Portable Handset				
Channel Bandwidths per NR Band			NR Band n261: 5	50MHz, 100MHz		
Channel Bandwidths per NR Band			NR Band n260: 5	50MHz, 100MHz		
Channel Numbers and Frequencies	Lov	V		Mid		High
Chariner Numbers and Frequencies	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
NR Band n261: 50MHz BW	2071249	27525.00	2077915	27924.96	2084581	28324.92
NR Band n261: 100MHz BW	2071665	27549.96	2077915	27924.96	2084165	28299.96
NR Band n260: 50MHz BW	2229599	37026.00	2254165	38499.96	2278749	39975.00
NR Band n260: 100MHz BW	2229999	37050.00	2254165	38499.96	2278315	39949.00
Subcarrier Spacing (kHz)			12	0		
Total Number of Supported Uplink CCs (SISO)			2			
Total Number of Supported Uplink CCs (MIMO)			2 (CP-OFI	DM only)		
Total Number of Supported DL CCs			8			
CP-OFDM Modulations Supported in UL		QPSK, 16QAM, 64QAM				
DFT-s-OFDM Modulations Supported in UL	PI/2 BPSK, QPSK, 16QAM, 64QAM					
LTE Anchor Bands (n261)	2, 5, 12, 13, 48, 66					
LTE Anchor Bands (n260)		2, 5, 12, 13, 14, 30, 48, 66				
Duplex Type (mmWave)			TD	D		

# 1.2 Time-Averaging Algorithm for RF Exposure Compliance

The equipment under test (EUT) contains Qualcomm® SDX55M modem supporting 2G/3G/4G/5G NR WWAN technologies and is enabled with Qualcomm® Smart Transmit feature. This feature performs time averaging algorithm in real time to control and manage transmitting power and ensure the time-averaged RF exposure is in compliance with FCC requirements all the time. Refer to Compliance Summary document for detailed description of Qualcomm® Smart Transmit. Note that WLAN operations are not enabled with Smart Transmit.

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of SAR\_design\_target or PD\_design\_target, below the predefined time-averaged power limit (i.e.,  $P_{limit}$  for sub-6 radio, and input.power.limit for 5G mmW NR), for each characterized technology and band (see RF Exposure Part 0 Test Report).

Smart Transmit allows the device to transmit at higher power instantaneously when needed, but manages power limiting to maintain time-averaged transmit power to *input.power.limit*.

The purpose of this report (Part 1 test) is to demonstrate that the EUT meets FCC PD limits when transmitting in static transmission scenario at maximum allowable time-averaged power level given by *input.power.limit*.

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# 1.3 Input Power Specifications

All power density measurements for this device were performed at the *input.power.limit* given in below tables. Input power is per antenna element and polarization for each antenna module. When input.power.limit is calculated to be above the maximum input power, the device is limited to the maximum input power.

Table 1-1 5G mmWave NR Band n261 Antenna K

		Dana	IIZUI AIILEIIIIA N
Band	V Beam ID	H Beam ID	input.power.limit (dBm)
n261	1		9.3
n261	5		7.0
n261	6		7.2
n261	7		7.8
n261	10		7.7
n261	11		6.7
n261	17		4.2
n261	18		3.8
n261	19		4.1
n261	20		4.2
n261	21		4.4
n261	26		4.1
n261	27		3.9
n261	28		4.2
n261	29		4.3
n261		129	9.5
n261		133	8.1
n261		134	6.3
n261		135	7.0
n261		138	6.2
n261		139	6.8
n261		145	4.9
n261		145	3.9
n261		147	3.9
n261		147	4.2
n261		149	4.6
n261		154	4.3
n261 n261		155 156	3.9 4.0
n261 n261	1	157 129	4.2 6.4
	5	139	
n261	<b>-</b>		2.7
n261	6	138	2.4
n261	7	133	5.3
n261 n261	10 11	134	2.5 3.9
		135	
n261	17	156	0.1
n261	18	147	-0.2
n261	19	146	0.0
n261	20	154	0.0
n261	21	149	2.6
n261	26	148	0.2
n261	27	155	-0.1
n261	28	145	0.7
n261	29	157	2.1

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Table 1-2 5G mmWave NR Band n261 Antenna L

<u> </u>	IIIIIVVave	INIX Dania	IIZOI AIILEIIIIA L
Band	V Beam ID	H Beam ID	input.power.limit (dBm)
n261	0		9.7
n261	2		7.5
n261	3		6.8
n261	4		7.4
n261	8		6.2
n261	9		7.1
n261	12		3.8
n261	13		3.2
n261	14		3.1
n261	15		3.7
n261	16		5.8
n261	22		3.6
n261	23		3.0
n261	24		3.3
n261	25		4.9
n261	23	128	9.2
n261		130	6.5
n261		131	5.4
n261		132	6.1
n261		136	5.6
n261		137	5.7
n261		140	5.3
		140	
n261		141	3.3
n261 n261		142	3.0
n261		143	3.2
n261		150	3.8
n261		151	3.0
n261		152	3.0
n261		153	3.1
n261	0	128	5.5
n261	2	130	3.3
n261	3	131	1.8
n261	4	137	2.2
n261	8	136	1.9
n261	9	132	2.1
n261	12	141	-0.3
n261	13	150	-0.8
n261	14	142	-1.2
n261	15	143	-0.9
n261	16	153	0.6
n261	22	140	0.0
n261	23	151	-1.2
n261	24	152	-1.0
n261	25	144	-0.4

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Table 1-3 5G mmWave NR Band n260 Antenna K

Band	V Beam ID	H Beam ID	input.power.limit (dBm)
n260	1	-	9.9
n260	5	-	6.5
n260	6	-	6.9
n260	7	-	6.5
n260	10	-	6.9
n260	11	-	6.3
n260	17	-	3.5
n260	18	-	4.7
n260	19	-	3.7
n260	20	-	2.7
n260	21	-	3.7
n260	26	-	4.6
n260	27	-	4.5
n260	28	-	3.1
n260	29	-	2.9
n260	-	129	10.2
n260	-	133	6.3
n260	-	134	6.4
n260	_	135	6.5
n260	_	138	6.9
n260	_	139	6.0
n260	_	145	3.8
n260	_	146	4.7
n260	_	147	3.8
n260	_	148	2.8
n260	-	149	3.6
n260	-	154	5.0
n260	_	155	3.8
n260	_	156	3.0
n260	-	157	3.2
n260	1	129	8.4
n260	5	133	3.7
n260	6	138	2.8
n260	7	135	3.7
n260	10	134	2.5
n260	11	139	3.3
n260	17	156	0.1
n260	18	155	0.1
n260	19	154	0.1
n260	20	148	0.0
n260	21	149	1.4
n260	26	147	-0.2
n260	27	146	0.7
n260	28	145	-0.3
n260	29	157	0.6
11200	23	137	0.0

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Table 1-4 5G mmWave NR Band n260 Antenna L

	V Beam ID	H Beam ID	input.power.limit (dBm)
n260	0	-	7.6
n260	2	-	5.2
n260	3	-	5.9
n260	4	-	4.8
n260	8	-	6.0
n260	9	-	5.3
n260	12	-	3.5
n260	13	-	3.2
n260	14	-	2.6
n260	15	-	2.3
n260	16	-	2.6
n260	22	-	3.2
n260	23	-	3.3
n260	24	-	2.4
n260	25	-	2.4
n260	-	128	8.4
n260	-	130	5.9
n260	-	131	5.5
n260	-	132	5.0
n260	-	136	5.7
n260	-	137	5.2
n260	-	140	3.5
n260	_	141	3.4
n260	_	142	2.7
n260	_	143	2.6
n260	-	144	3.0
n260	-	150	3.4
n260	-	151	3.0
n260	-	152	2.8
n260	-	153	2.6
n260	0	128	3.7
n260	2	137	1.6
n260	3	136	1.4
n260	4	132	2.9
n260	8	131	1.3
n260	9	130	2.8
n260	12	152	-1.0
n260	13	151	-1.4
n260	14	150	-1.1
n260	15	153	-1.0
n260	16	143	-0.6
n260	22	142	-1.1
n260	23	141	-1.3
n260	24	140	-1.2
n260	25	144	-0.2

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# 1.4 DUT Antenna Locations

This device has the follow antenna arrays: K, L. Table below indicates the surfaces evaluated for near field power density (part 1) evaluation. Refer to RF Exposure Part 0 Test Report for justification of these worst-surfaces.

Table 1-5
5G mmWave NR Device Surfaces

Band	Module	Back	Front	Тор	Bottom	Right	Left	
n261	K	yes	no	no	no	no	yes	
n261	L	yes	no	no	no	yes	no	
n260	K	yes	no	no	no	no	yes	
n260	L	yes	no	no	no	yes	no	

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# 1.5 Simultaneous Transmission Capabilities

According to FCC KDB Publication 447498 D01v06, transmitters are considered to be operating simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds.

This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis according to FCC KDB Publication 447498 D01v06 4.3.2 procedures.

Table 1-6
5G mmWave NR Simultaneous Tx

Capable Transmit Configuration	Head	Body-Worn Accessory	Wireless Router	Phablet	Notes		
LTE + 5G NR	Yes	Yes	N/A	Yes			
LTE + 2.4 GHz WI-FI + 5G NR	Yes	Yes	Yes	Yes			
LTE + 5 GHz WI-FI + 5G NR	Yes	Yes	Yes	Yes			
LTE + 2.4 GHz Bluetooth + 5G NR	Yes^	Yes	Yes^	Yes^	^Bluetooth Tethering is considered		
LTE + 2.4 GHz Bluetooth + 5 GHz WI-FI + 5G NR	Yes^	Yes	Yes^	Yes^	^Bluetooth Tethering is considered		
LTE + 2.4 GHz WI-FI MIMO + 5G NR	Yes	Yes	Yes	Yes			
LTE + 5 GHz WI-FI MIMO + 5G NR	Yes	Yes	Yes	Yes			
LTE + 2.4 GHz WI-FI + 5 GHz WI-FI + 5G NR	Yes	Yes	Yes	Yes			
LTE + 2.4 GHz WI-FI MIMO + 5 GHz WI-FI MIMO + 5G NR	Yes	Yes	Yes	Yes			
LTE + 2.4 GHz Bluetooth + 5 GHz WI-FI MIMO + 5G NR	Yes^	Yes	Yes^	Yes^	'Bluetooth Tethering is considered		

#### NOTE:

- 1. 5G NR Operations are limited to Non-Standalone (EN-DC) operations only.
- 2. NR antenna arrays cannot transmit simultaneously.
- 3. Simultaneous 5G NR FR2 + LTE operations are possible only with 2/5/12/13/14/30/48/66.
- 4. 2.4 GHz WLAN, and 2.4 GHz Bluetooth share the same antenna path and cannot transmit simultaneously.
- 5. All non-5G NR licensed modes share the same antenna path and cannot transmit simultaneously.
- 6. 5G NR bands cannot transmit simultaneously.
- 7. This device supports time averaging smart transmit algorithm in WWAN. Smart transmit adds directly the time-averaged RF exposure from 4G and time-averaged RF exposure from 5G mmW NR to ensure that the normalized RF exposure from both 4G and 5G mmW NR does not exceed FCC limit.

# 1.6 Guidance Applied

- November 2017, October 2018, April 2019, November 2019 TCBC Workshop Notes
- SPEAG DASY6 System Handbook (September 2019)
- IEC TR 63170:2018
- FCC KDB 865664 D02 v01r04
- FCC KDB 447498 D01 v02r01

# 1.7 Bibliography

Table 1-7
5G mmWave NR Bibliography

Report Type	Report Serial Number
FCC SAR Evaluation Report (Part 1)	1M2005050081-01.A3L
PD Part 0 Test Report	Revision C
RF Exposure Part 2 Test Report	1M2005050081-25.A3L
RF Exposure Compliance Summary Report	1M2005050081-26.A3L
Power Density Simulation Report	Revision A

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### 2 MEASUREMENT SYSTEM

### 2.1 Measurement Setup

Peak spatially averaged power density (psPD) measurements for mmWave frequencies were performed using the DASY6 with cDASY6 5G module. The DASY6 is made by Schmid & Partner Engineering AG (SPEAG) in Zurich, Switzerland and consists of a high precision robotics system (Staubli), robot controller, desktop computer, nearfield probe, probe alignment sensor, and the 5G phantom. The robot is a six-axis industrial robot, performing precise movements to position the probe to the location (points) of maximum electromagnetic field (EMF).

#### 2.2 SPEAG EUmmWV3 Probe / E-Field 5G Probe

The EUmmWV3 probe consists of two dipoles optimally arranged to obtain pseudo-vector information.

Frequency Range	750 MHz – 110 GHz
Dynamic Range	< 20 V/m - 10,000 V/m with PRE-10 (min < 50 V/m - 3,000 V/m)
Position Precision	< 0.2 mm (cDASY6)
Dimensions	Probe Overall Length: 320 mm Probe Body Diameter: 8 mm Probe Tip Length: 23 mm Probe Tip Diameter: Encapsulation 8 mm Distance from Probe Tip to Sensor X Calibration Point: 1.5 mm Distance from Probe Tip to Sensor Y Calibration Point: 1.5 mm
Applications	E-field measurements of 5G devices and other mm-wave transmitters operating above 10 GHz in < 2 mm distance from device (free-space) Power density, H-field and far-field analysis using total field reconstruction
Compatibility	cDASY6 + 5G-Module SW 2.0.2.34



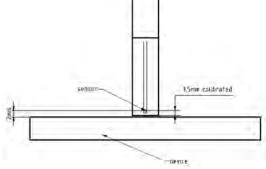


Figure 2-1 EUmmWV3 Probe

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# 2.3 Peak Spatially Averaged Power Density Assessment Based on E-field Measurements

Within a short distance from the transmitting source, power density was determined based on both electric and magnetic fields. Generally, the magnitude and phase of two components of either the E-field or H-field were needed on a sufficiently large surface to fully characterize the total E-field and H-field distributions. Nevertheless, solutions based on direct measurement of E-field and H-field can be used to compute power density. The general measurement approach used for this device was:

- a) The local E field on the measurement surface was measured at a reference location where the field is well above the noise level. This reference level was used at the end of this procedure to assess output power drift of the DUT during the measurement.
- b) The electric field on the measurement surface was scanned. Measurements are conducted according to the instructions provided by the measurement system manufacturer. Measurement spatial resolution can depend on the measured field characteristic and measurement methodology used by the system. The planar scan step size was configured at  $\lambda/4$ .
- c) For cDASY6, H-field was calculated from the measured E-field using a reconstruction algorithm. As the power density calculation requires knowledge of both amplitude and phase, reconstruction algorithms can also be used to obtain field information from the measured E-field data (e.g. the phase from the amplitude if only the amplitude is measured). H-field and phase data was reconstructed from repeated measurements (three per measurement point) on two measurement planes separated by λ/4.
- d) The total Peak spatially averaged power density (psPD) distribution on the evaluation surface is determined per the below equation. The spatial averaging area, *A*, is specified by the applicable exposure limits or regulatory requirements. A circular shape was used.

$$psPD = \frac{1}{2A_{av}} \qquad \iint_{A_{av}} || Re\{E \times H^*\} || dA$$

- e) The maximum spatial-average on the evaluation surface is the final quantity to determine compliance against applicable limits.
- f) The local E field reference value, at the same location as step 2, was re-measured after the scan was complete to calculate the power drift. If the drift deviated by more than 5%, the power density test and drift measurements were repeated.

### 2.4 Reconstruction Algorithm

Computation of the power density in general requires measurement information from the both E-field and H-field amplitudes and phases in the plane of incidence. Reconstruction of these quantities from pseudo-vector E-field measurements is feasible according to the manufacturer, as they are determined via Maxwell's equations. As such, the SPEAG reconstruction approach was based on the Gerchberg-Saxton algorithm, which benefits from the availability of the E-field polarization ellipse information obtained with the EUmmWV3 probe.

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### 3 RF EXPOSURE LIMITS FOR POWER DENSITY

#### 3.1 Uncontrolled Environment

UNCONTROLLED ENVIRONMENTS are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

#### 3.2 Controlled Environment

CONTROLLED ENVIRONMENTS are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

#### 3.3 RF Exposure Limits for Frequencies Above 6 GHz

Per §1.1310 (d)(3), the MPE limits are applied for frequencies above 6 GHz. Power Density is expressed in units of W/m² or mW/cm².

Peak Spatially Averaged Power Density was evaluated over a circular area of 4 cm<sup>2</sup> per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes.

Table 3-1
Human Exposure Limits Specified in FCC 47 CFR §1.1310

Human Exposure to Radiofrequency (RF) Radiation Limits					
Frequency Range Power Density Average Time [MHz] [mW/cm²] [Minutes]					
(A) Limits	For Occupational / Controlled	Environments			
1,500 - 100,000	1,500 – 100,000 5.0 6				
(B) Limits For General Population / Uncontrolled Environments					
1,500 – 100,000	1.0	30			

Note: 1.0 mW/cm<sup>2</sup> is 10 W/m<sup>2</sup>

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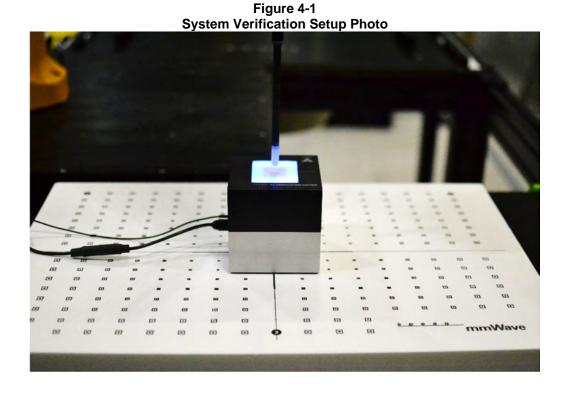
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### 4 SYSTEM VERIFICATION

### 4.1 Test System Verification

The system was verified to be within ±0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check.

The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.



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A3LSMN981U

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NEAR-FIELD POWER DENSITY EVALUATION REPORT

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# Table 4-1 30 GHz Verifications

#### System Verification Normal psPD (W/m² over 4 cm²) Source Total psPD (W/m<sup>2</sup> over 4 cm<sup>2</sup>) Freq. (GHz) Probe SN Deviation (dB) Deviation (dB) Syst. Date SN measured target measured target 30 05/26/2020 1035 9407 -0.29 -0.28 R 30.00 32.10 30.50 32.50 Q 30 05/26/2020 1035 9415 28.50 32.10 -0.52 28.90 32.50 -0.51 Q 30 05/27/2020 1035 9415 28.50 32.10 -0.52 29.00 32.50 -0.49 05/27/2020 9407 32.10 29.40 32.50 -0.44R 30 1035 29.00 -0.44Q 30 05/28/2020 1035 9415 28.80 32.10 -0.47 29.30 32.50 -0.45 30 1035 9407 30.40 32.10 -0.24 30.90 32.50 -0.22 R 05/28/2020 05/29/2020 9415 28.60 32.10 -0.50 32.50 -0.48 Q 30 1035 29.10 R 30 05/29/2020 1035 9407 29.30 32.10 -0.40 29.80 32.50 -0.38 Q 30 05/31/2020 1035 9415 28.90 32.10 -0.46 29.40 32.50 -0.44 R 30 05/31/2020 1035 9407 30.40 32.10 -0.24 30.90 32.50 -0.22Q 30 06/01/2020 1035 9415 28.50 32.10 -0.52 29.00 32.50 -0.49 9407 30 06/01/2020 1035 29.60 32.10 -0.35 30.10 32.50 -0.33

Note: A **10 mm distance spacing** was used from the reference horn antenna aperture to the probe element. This includes 4.45 mm from the reference antenna horn aperture to the surface of the verification source plus 5.55 mm from the surface to the probe. The SPEAG software requires a setting of "5.55 mm" for the correct set up.

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# **5** POWER DENSITY DATA @ INPUT.POWER.LIMIT

# 5.1 Power Density Results

Power density measurements were performed with DUT transmitting at *input.power.limit* for one single beam for each polarization (H & V) and one beam-pair, for each antenna on each worst-surface.

Table 5-1 5G mmWave NR Band n261

						MEASUREMI			<u>.                                    </u>					
Band	Antenna	Frequency	Channel	Beam ID1	Beam ID2	input.power.limit	Signal Type	DUT S/N	Power Drift	Distance	DUT Surface	Normal psPD	Total psPD	Plot #
		MHz		٧	Н	dBm			dB	mm		mW/cm²	mW/cm <sup>2</sup>	
n261	К	27549.96	Low	18	-	3.8	CW	1795M	0.01	2	Back	0.389	0.467	
n261	К	27549.96	Low	18	-	3.8	cw	1795M	0.07	2	Left	0.490	0.549	
n261	К	27549.96	Low	-	156	4.0	CW	1795M	-0.02	2	Back	0.399	0.447	
n261	К	27549.96	Low	-	155	3.9	CW	1795M	0.11	2	Left	0.490	0.544	
n261	К	27549.96	Low	18	147	-0.2	cw	1795M	-0.07	2	Back	0.268	0.337	
n261	К	27549.96	Low	18	147	-0.2	cw	1795M	-0.06	2	Left	0.582	0.671	A1
n261	L	27549.96	Low	13	-	3.2	cw	1795M	0.04	2	Back	0.317	0.358	
n261	L	27549.96	Low	23	-	3.0	CW	1795M	-0.15	2	Right	0.376	0.409	
n261	L	27549.96	Low	-	144	3.2	cw	1795M	-0.06	2	Back	0.318	0.342	
n261	L	27549.96	Low	-	143	3.0	CW	1795M	0.15	2	Right	0.373	0.417	
n261	L	27549.96	Low	23	151	-1.2	CW	1795M	-0.03	2	Back	0.231	0.249	
n261	L	27549.96	Low	23	151	-1.2	CW	1795M	0.06	2	Right	0.354	0.433	A2
	47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population							Power   1 mW averaged (	//cm²	n²				

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#### Table 5-2 5G mmWave NR Band n260

	5G mmwave NR Band n260													
						MEASUREMI	ENT RES	ULTS						
Band	Antenna	Frequency	Channel	Beam ID1	Beam ID2	input.power.limit	Signal Type	DUT S/N	Power Drift	Distance	DUT Surface	Normal psPD	Total psPD	Plot #
		MHz		٧	Н	dBm	,,,,		dB	mm		mW/cm²	mW/cm²	
n260	к	38499.96	Mid	20	-	2.7	CW	1801M	-0.14	2	Back	0.188	0.214	
n260	К	38499.96	Mid	20	-	2.7	CW	1801M	0.02	2	Left	0.289	0.390	
n260	К	37050.00	Low	•	155	3.8	CW	1801M	-0.07	2	Back	0.380	0.433	А3
n260	к	38499.96	Mid	•	148	2.8	CW	1801M	0.13	2	Left	0.292	0.386	
n260	К	37050.00	Low	28	145	-0.3	CW	1801M	0.06	2	Back	0.106	0.126	
n260	К	37050.00	Low	28	145	-0.3	CW	1801M	-0.17	2	Left	0.134	0.215	
n260	L	38499.96	Mid	15	-	2.3	CW	1801M	0.19	2	Back	0.199	0.218	
n260	L	38499.96	Mid	15	-	2.3	CW	1801M	-0.16	2	Right	0.210	0.271	
n260	L	38499.96	Mid	ı	143	2.6	CW	1801M	0.12	2	Back	0.373	0.426	A4
n260	L	38499.96	Mid	•	143	2.6	CW	1801M	0.11	2	Right	0.250	0.288	
n260	L	38499.96	Mid	13	151	-1.4	CW	1801M	-0.21	2	Back	0.265	0.274	
n260	L	38499.96	Mid	13	151	-1.4	CW	1801M	-0.11	2	Right	0.092	0.112	
	47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population								Power   1 mW averaged (	//cm²	n²			

FCC ID: A3LSMN981U	PCTEST NE	EAR-FIELD POWER DENSITY EVALUATION REPORT	SAMSUNG	Approved by: Quality Manager
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# 5.2 Power Density Test Notes

#### General Notes:

- 1. The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
- 2. Batteries are fully charged at the beginning of the measurements. The DUT was connected to a wall charger for some measurements due to the test duration. It was confirmed that the charger plugged into this DUT did not impact the near-field PD test results.
- 3. Power density was calculated by repeated E-field measurements on two measurement planes separated by  $\lambda/4$ .
- 4. DUT was configured to transmit with a manufacturer provided test software to control specific antenna(s), Beam ID(s), and signal type to ensure the test configurations constant for the entire evaluation.
- 5. This device utilizes power reduction for some WLAN wireless modes and technologies for simultaneous transmission compliance. These mechanisms are assessed in the SAR Test Report.
- 6. PD design target of 0.6166 mW/cm<sup>2</sup> was used with mmW device design related uncertainty of 2.1 dB.
- 7. Input.power.limit parameter for 5G mmW NR radio was calculated in RF Exposure Part 0 test report.
- 8. This device is enabled with Qualcomm® Smart Transmit feature to control and manage transmitting power in real time and to ensure that the time-averaged RF exposure from WWAN is in compliance with FCC requirements. Per FCC guidance for devices enabled with Qualcomm® Smart Transmit feature, 4G LTE and 5G mmW NR simultaneous transmission scenario does not need to be evaluated under Total Exposure Ratio (TER). The validation of the time-averaging algorithm and compliance under the Tx varying transmission scenario for WWAN technologies are reported in Part 2 report.
- Per FCC guidance for devices enabled with Qualcomm<sup>®</sup> Smart Transmit feature, simultaneous transmission analysis is evaluated by combining the exposure from each WWAN and WLAN antenna. 5G mmW NR and WLAN simultaneous transmission scenario is evaluated under the Total Exposure Ratio (TER) in Appendix C.
- 10. The Beam IDs with one of the highest initial simulated power density for that surface and distance was selected for Part 1 Power Density measurements.
- 11. The device was configured to transmit CW wave signal for testing. Per FCC guidance for devices enabled with Qualcomm® Smart Transmit feature, additional testing was not required for different modulations (CP-OFDM: QPSK, 16QAM, 64QAM, DFT-s-OFDM: PI/2 BPSK, QPSK, 16QAM, 64QAM), RB configurations, component carriers, channel configurations (low channel, mid channel, high channel) since the smart transmit algorithm monitors powers on a per symbol basis, which is independent of these signal characteristics.
- 12. The device was configured to MIMO configuration with H and V polarization beams transmitting together.

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#### 6

Table 6-1 5G mmWave NR Equipment List

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
-	WL25-1	Conducted Cable Set (25GHz)	10/30/2019	Annual	10/30/2020	WL25-1
-	WL40-1	Conducted Cable Set (40GHz)	10/30/2019	Annual	10/30/2020	WL40-1
Agilent	N9038A	MXE EMI Receiver	07/17/2019	Annual	07/17/2020	MY51210133
Agilent	N9030A	PXA Signal Analyzer (44GHz)	06/12/2019	Annual	06/12/2020	MY52350166
EMCO	3160-09	Small Horn (18 - 26.5GHz)	08/09/2018	Biennial	08/09/2020	135427
Emco	3116.00	Horn Antenna (18 - 40GHz)	06/07/2018	Triennial	06/07/2021	9203-2178
Rohde & Schwarz	ESU40	EMI Test Receiver (40GHz)	09/23/2019	Annual	09/23/2020	100348
Rohde & Schwarz	SFUNIT-Rx	Shielded Filter Unit	07/08/2019	Annual	07/08/2020	102133
SPEAG	EUmmWV3	EUmmWV3 Probe	02/14/2020	Annual	02/14/2021	9415
SPEAG	EUmmWV3	EUmmWV3 Probe	12/10/2019	Annual	12/10/2021	9407
SPEAG	SM 003 100 AA	30GHz System Verification Ka- Band Source Antenna	02/12/2020	Annual	02/12/2021	1035
SPEAG	DAE4	Dasy Data Acquisition Electronics	03/12/2020	Annual	03/12/2021	1415
SPEAG	DAE4	Dasy Data Acquisition Electronics	02/20/2020	Annual	02/20/2021	1272
Agilent	N9030A	PXA Signal Analyzer (44GHz)	06/12/2019	Annual	06/12/2020	MY52350166
Rohde & Schwarz	180-442-KF	Horn (Small)	08/21/2018	Bienniel	08/21/2020	U157403-01
Rohde & Schwarz	ESU26	EMI Test Receiver (26.5GHz)	06/05/2019	Annual	06/05/2020	100342
Rohde & Schwarz	SFUNIT-Rx	Shielded Filter Unit	07/11/2019	Annual	07/11/2020	102134
Virginia Diodes Inc	SAX252	Spectrum Analyzer Extension Module	09/30/2019	Annual	09/30/2020	SAX252
Virginia Diodes Inc	SAX253	Spectrum Analyzer Extension Module	09/30/2019	Annual	09/30/2020	SAX253
Virginia Diodes Inc	SAX254	Spectrum Analyzer Extension Module	09/30/2019	Annual	09/30/2020	SAX254

#### Note:

1. Each equipment item was used solely within its respective calibration period.

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# 7 MEASUREMENT UNCERTAINTIES

a	b	С	d	е	f =	
a			3	C	b x e/d	g
Uncertainty Component	Unc.	Prob.			ui	
Oncertainty component	(± dB)	Dist.	Div.	ci	(± dB)	vi
Calibration	0.49	N	1	1.0	0.49	~
Probe correction	0	R	1.73	1.0	0.00	~
Frequency Response (BW ≤ 1 GHz)	0.20	R	1.73	1.0	0.12	∞
Sensor cross coupling	0	R	1.73	1.0	0.00	∞
Isotropy	0.50	R	1.73	1.0	0.29	∞
Linearity	0.20	R	1.73	1.0	0.12	∞
Probe Scattering	0	R	1.73	1.0	0	∞
Probe Positioning Offset	0.30	R	1.73	1.0	0.17	∞
Probe Positioning Repeatability	0.04	R	1.73	1.0	0.02	∞
Sensor Mechanical Offset	0	R	1.73	1.0	0	~
Probe Spatial Resolution	0	R	1.73	1.0	0	∞
Field Impedance Dependence	0	R	1.73	1.0	0	∞
Amplitude and phase drift	0	R	1.73	1.0	0	∞
Amplitude and phase noise	0.04	R	1.73	1.0	0.02	∞
Measurement area truncation	0	R	1.73	1.0	0	∞
Data acquisition	0.03	N	1	1.0	0.03	∞
Sampling	0	R	1.73	1.0	0	∞
Field Reconstruction	0.60	R	1.73	1.0	0.35	∞
Forward Transformation	0	R	1.73	1.0	0	∞
Power Density Scaling	-	R	1.73	1.0	-	∞
Spatial Averaging	0.10	R	1.73	1.0	0.06	~
System Detection Limit	0.04	R	1.73	1.0	0.02	∞
Test Sample and Environmental Factors		-		!	Į.	•
Probe Coupling with DUT	0	R	1.73	1.0	0	∞
Modulation Response	0.40	R	1.73	1.0	0.23	∞
Integration Time	0	R	1.73	1.0	0	∞
Response Time	0	R	1.73	1.0	0	∞
Device Holder Influence	0.10	R	1.73	1.0	0.06	∞
DUT Alignment	0	R	1.73	1.0	0	∞
RF Ambient Conditions	0.04	R	1.73	1.0	0.02	8
Ambient Reflections	0.04	R	1.73	1.0	0.02	∞
Immunity / Secondary Reception	0	R	1.73	1.0	0	∞
Drift of the DUT	0.22	R	1.73	1.0	0.13	∞
Combined Standard Uncertainty (k=1)		RSS			0.76	∞
(95% CONFIDENCE LEVEL)		k	=2		1.53	•

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### 8 CONCLUSION

#### 8.1 Measurement Conclusion

The power density measurements and total exposure ratio analysis indicate that the DUT complies with the RF radiation exposure limits of the FCC, with respect to all parameters subject to this test. These measurements were taken to simulate the RF effects of RF exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the RF Exposure and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables.

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- [10] October 2018 Telecommunications Certification Body Council (TCBC) Workshop Notes
- [11] April 2019 Telecommunications Certification Body Council (TCBC) Workshop Notes
- [12] November 2019 Telecommunications Certification Body Council (TCBC) Workshop Notes
- [13] SPEAG DASY6 System Handbook (September 2019)

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# **APPENDIX A: POWER DENSITY TEST PLOTS**

Date: 5/27/2020

Antenna K Beam 18/147; MIMO; Low Ch.; CW

# **Device Under Test Properties**

DUT		Serial Number	DUT Type
A3LSM	N981U	1795M	Portable Handset

# **Exposure Conditions**

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	LEFT	2.00	n261	27550.00

# **Hardware Setup**

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9415, 2/14/2020	DAE4 SN1415, 3/12/2020

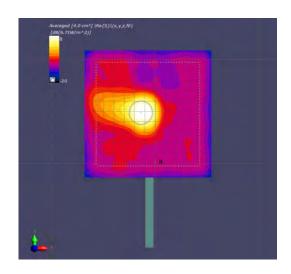
# **Software Setup**

Software	Software Version
cDASY6 Module mmWave	2.0.2.34

# **Scans Setup**

Scan Type	5G Scan
Grid Extents [mm]	120x120
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	6.71
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	5.82
E <sub>peak</sub> [V/m]	88.1
Power Drift [dB]	-0.06



Date: 6/1/2020

Antenna L Beam 23/151; MIMO; Low Ch.; CW

# **Device Under Test Properties**

DUT	Serial Number	DUT Type
A3LSMN981U	1795M	Portable Handset

# **Exposure Conditions**

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	RIGHT	2.00	n261	27550.00

# **Hardware Setup**

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9415, 2/14/2020	DAE4 SN1415, 3/12/2020

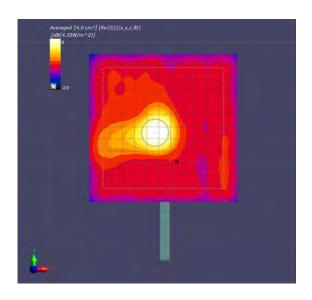
# Software Setup

Software	Software Version
cDASY6 Module mmWave	2.0.2.34

# **Scans Setup**

Scan Type	5G Scan
Grid Extents [mm]	120x120
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	4.33
pS <sub>n</sub> avg [W/m²]	3.54
E <sub>peak</sub> [V/m]	65.9
Power Drift [dB]	0.06



Date: 5/26/2020

Antenna K Beam 155; H; Low Ch.; CW

# **Device Under Test Properties**

DUT	Serial Number	DUT Type
A3LSMN981U	1801M	Portable Handset

# **Exposure Conditions**

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5 G	BACK	2.00	n260	37050.00

# **Hardware Setup**

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9407, 12/10/2019	DAE4 SN1272, 2/20/2020

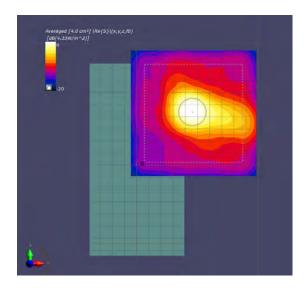
# Software Setup

Software	Software Version
cDASY6 Module mmWave	2.0.2.34

# **Scans Setup**

Scan Type	5G Scan
Grid Extents [mm]	100x100
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS <sub>tot</sub> avg [W/m²]	4.33
pS <sub>n</sub> avg [W/m²]	3.80
E <sub>peak</sub> [V/m]	62.6
Power Drift [dB]	-0.07



Date: 5/26/2020

Antenna L Beam 143; H; Mid Ch.; CW

# **Device Under Test Properties**

DUT	Serial Number	DUT Type
A3LSMN981U	1801M	Portable Handset

# **Exposure Conditions**

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	BACK	2.00	n260	38500.00

# **Hardware Setup**

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9407, 12/10/2019	DAE4 SN1272, 2/20/2020

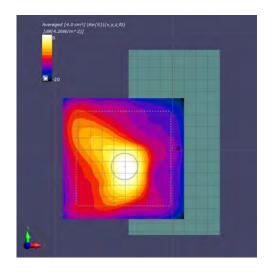
# Software Setup

Software	Software Version
cDASY6 Module mmWave	2.0.2.34

# **Scans Setup**

Scan Type	5G Scan
Grid Extents [mm]	100×100
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pStot avg [W/m <sup>2</sup> ]	4.26
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	3.73
E <sub>peak</sub> [V/m]	67.1
Power Drift [dB]	0.12



# APPENDIX B: POWER DENSITY SYSTEM VERIFICATION PLOTS

Date: 5/26/2020

30 GHz System Verification

# **Device Under Test Properties**

DUT	Serial Number
30 GHz Verification Source	1035

# **Exposure Conditions**

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.0

# **Hardware Setup**

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9415, 2/14/2020	DAE4 SN1415, 3/12/2020

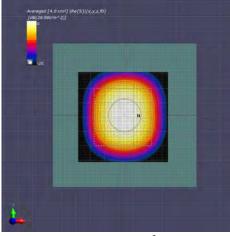
# Software Setup

Software	Software Version
cDASY6 Module mmWave	2.0.2.34

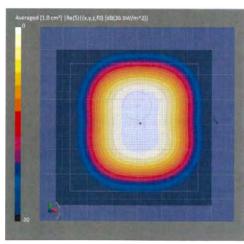
# **Scans Setup**

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS <sub>tot</sub> avg [W/m²]	28.9
pS <sub>n</sub> avg [W/m²]	28.5
E <sub>peak</sub> [V/m]	124
Deviation (dB)	-0.51



30GHz System Verification



**Calibration Certificate** 

Date: 5/27/2020

30 GHz System Verification

# **Device Under Test Properties**

DUT	Serial Number
30 GHz Verification Source	1035

# **Exposure Conditions**

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.0

# **Hardware Setup**

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9407, 12/10/2019	DAE4 SN1272, 2/20/2020

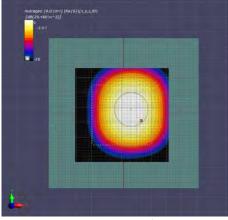
# Software Setup

Software	Software Version
cDASY6 Module mmWave	2.0.2.34

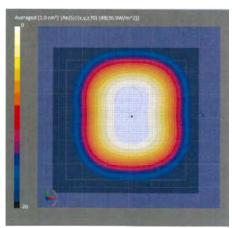
# **Scans Setup**

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS <sub>tot</sub> avg [W/m²]	29.4
pS <sub>n</sub> avg [W/m²]	29.0
E <sub>peak</sub> [V/m]	126
Deviation (dB)	-0.44



30GHz System Verification



**Calibration Certificate** 

# **APPENDIX C: TOTAL EXPOSURE RATIO**

The Total Exposure Ratio (TER) is calculated by combining all SAR measurements and power density measurements after normalizing to their respective limits. The general expression is below.

$$TER = \sum_{a=1}^{A} \frac{SAR_a}{SAR_a, limit} + \sum_{b=1}^{B} \frac{psPD_b}{psPD_b, limit} < 1$$

The TER shall be less than unity to ensure compliance with the limits.

$$\sum_{n=1}^{N} \frac{4G \ SAR_n}{4G \ SAR_n, limit} + \sum_{m=1}^{M} \frac{5G \ mmW \ NR \ psPD_m}{5G \ mmW \ NR \ psPD_m, limit} + \sum_{p=1}^{P} \frac{WLAN \ SAR_p}{WLAN \ SAR_p, limit} < 1$$

Qualcomm<sup>®</sup> Smart Transmit algorithm for WWAN adds directly the time-averaged RF exposure from 4G and timeaveraged RFexposure from 5G mmW NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G mmW NR to not exceed FCC limit. Therefore, per FCC guidance, TER does not need to be evaluated directly for the 4G and 5G simultaneous compliance via summation. The following equations are derived later in Appendix C. The validation of the time-averaging algorithm and compliance under the Tx varying transmission scenario for WWAN technologies are reported in Part 2 report. The report SN could be found in Bibliography section.

$$\sum_{n=1}^{N} \frac{4G SAR_n}{4G SAR_n, limit} + \sum_{p=1}^{P} \frac{WLAN SAR_p}{WLAN SAR_p, limit} < 1$$

$$\sum_{m=1}^{M} \frac{5G \ mmW \ NR \ psPD_{m}}{5G \ mmW \ NR \ psPD_{m}, limit} + \sum_{p=1}^{P} \frac{WLAN \ SAR_{p}}{WLAN \ SAR_{p}, limit} < 1$$

For 5G mmW NR, since there is total design-related uncertainty arising from TxAGC and device-to-device variation, the worst-case RF exposure should be determined by accounting for device uncertainty. Smart Transmit algorithm limits PD exposure to 75% of maximum to provide at least 25% margin allocated for 4G LTE anchor due to the 3 dB reserve power margin used in the device. Therefore, 5G mmW NR RF exposure for this DUT is evaluated by reported psPD calculated as:

Note that since not all the beams supported by this EUT are measured, reported psPD cannot be computed based on limited measured psPD data. Alternatively, since measured psPD for all the beams will be ≤ PD design target + PD uncertainty uncertainty, reported psPD is computed based on this worst-case PSPD as shown above.

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The compliance analysis for simultaneous transmission scenarios of WWAN (4G LTE & 5G mmW NR) with Smart Transmit and 4G & WLAN can be found in two reports indicated in the table below. This appendix demonstrates compliance for the 5G + WLAN scenarios. The report SNs can be found in Bibliography section.

	Simultaneous Scenario	Evaluation Report
1.	4G LTE WWAN + WLAN	FCC SAR Evaluation Report (Part 1)
2.	4G LTE WWAN + 5G mmW NR WWAN	RF Exposure Part 2 Test Report

RF exposure compliance with 5G mmW NR WWAN+WLAN simultaneous transmission scenarios is demonstrated for various radio configurations below.

Note that the above reported psPD applies to the worst-case surfaces of the DUT at 2mm evaluation distance.

Worst-case PD on other surfaces of the DUT are calculated from simulated PD data (see Power Density Simulation Report), by multiplying reported psPD with the highest proportion out of all beams and out of all three channels in each band, where the adjustment for each beam/channel is computed as the proportion of "simulated PD on desired surface" to "simulated PD on worst-surface". For example, to determine worst-case PD on front surface (needed for Head RF Exposure evaluation during simultaneous transmission), highest proportion of (simulated PD on front surface)/(simulated PD on worst surface) was determined out of all supported beams and out of all three channels by the DUT in each band.

In some cases, the simulation vs measurement for some surfaces can exceed the device's total uncertainty. In those cases, if the measured psPD > simulated adjusted psPD (assuming a linear congruency of the psPD across surfaces), then 75% of the measured value (based on the 3 dB reserve power margin) should be used towards the simultaneous TX analysis. Table C-1 lists the relevant worst-case reported psPD values based on the additional surfaces and evaluation distances needed to perform the TER analysis. The highest of the adjusted Reported psPD and Measured Total psPD\* 0.75 was chosen for TER analysis and the chosen values are indicated by bolded psPD values.

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#### Table C-1 5G mmW NR psPD

NR Band	<u>Surface</u>	Evaluation Distance (mm)	Adjustment Factor due to Simulation	Adjusted Reported psPD (W/m²)	Measured Total psPD (mW/cm²)	Measured Total psPD x 0.75 (mW/cm²)	Final Reported psPD (mW/cm²)
n261	Back	2	1.000	0.750	0.467	0.350	0.750
n261	Front	2	0.265	0.198	0.120	0.090	0.198
n261	Тор	2	0.125	0.093	-	•	0.093
n261	Bottom	2	0.100	0.075	-	•	0.075
n261	Right	2	1.000	0.750	0.433	0.325	0.750
n261	Left	2	1.000	0.750	0.671	0.503	0.750
n260	Back	2	0.960	0.720	0.433	0.325	0.720
n260	Front	2	0.415	0.312	0.280	0.210	0.312
n260	Тор	2	0.147	0.110	-	•	0.110
n260	Bottom	2	0.081	0.061	-	-	0.061
n260	Right	2	1.000	0.750	0.288	0.216	0.750
n260	Left	2	1.000	0.750	0.390	0.293	0.750

Note: Adjusted factor is (simulated PD on desired exposure plane)/(PD on worst-surface at 2mm evaluation distance) out of all beams and out of all channels. See Power Density Simulation Report.

	PCTEST	NEAR-FIELD POWER DENSITY	The state of the s	Approved by:		
FCC ID: A3LSMN981U	Protect to Los point of the saverner	EVALUATION REPORT	SAMSUNG	Quality Manager		
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#### Table C-2 5G mmW NR Head Total Exposure Ratio

		psPD	2.4 GHz WLAN Ant1 Reported SAR	2.4 GHz WLAN Ant2 Reported SAR	2.4 GHz WLAN MIMO Reported SAR	Bluetooth Reported SAR	5 GHz WLAN Ant1 Reported SAR			psPD + 2.4 GHz WLAN Ant1	psPD + 2.4 GHz WLAN Ant2	psPD + 2.4 GHz WLAN MIMO	psPD + 5 GHz WLAN Ant 1	psPD + 5 GHz WLAN Ant 2	psPD + 5 GHz WLAN MIMO	psPD + 2.4 GHz MIMO + 5 GHz MIMO	psPD + BT	psPD + BT + 5 GHz WLAN Ant 1	psPD + BT + 5GHz WLAN Ant 2	psPD + BT + SGHz WLAN MIMO
			16.0 dBm	16.0 dBm	19.0 dBm	16.0 dBm	13.0 dBm	13.0 dBm	16.0 dBm											
		m/W/cm <sup>3</sup>	W/kg	W/kg	W/kg	W/kg	W/kg	W/kg	W/kg											
		1	2	3	4	5	6	7	8	1+2	1+3	1+4	1+6	1+7	1+8	1+4+8	1+5	1+5+6	1+5+7	1+5+8
Ap	plicable Limit	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Front Side	Reported Value	0.312	0.411	0.018	0.429	0.778	0.149	0.033	0.182											
Profit Side	Ratio to Limit	0.312	0.257	0.011	0.268	0.486	0.093	0.021	0.114	0.569	0.323	0.580	0.405	0.333	0.426	0.694	0.798	0.891	0.819	0.912

#### Table C-3

5G mmW NR Body-Worn Total Exposure Ratio - Back Side at 15 mm

		psPD	2.4 GHz WLAN Ant1 Reported SAR	2.4 GHz WLAN Ant2 Reported SAR		Bluetooth Reported SAR	5 GHz WLAN Ant1 Reported SAR	5 GHz WLAN Ant2 Reported SAR	5 GHz WLAN MIMO Reported SAR	psPD + 2.4 GHz		ssPD + 2.4 GHz psPD + 2.4 GHz p		psPD + 5 GHz WLAN Ant 1	psPD + 5 GHz WLAN Ant 2	psPD + 5 GHz WLAN MIMO	psPD + 2.4 GHz MIMO + 5 GHz	psPD + BT	psPD + BT + 5 GHz WLAN Ant 1		5GHz WLAN
			20.0 dBm	20.0 dBm	20.0 dBm	16.0 dBm	17.0 dBm	13.0 dBm	16.0 dBm	WOM AND	WOOM AIRE	WLAN MIMO	WORK AIR I	WOOD ALL L	WDG IIIIIO	MIMO		WINN AIR I	W.Com Aint 2	MIMO	
		m/W/cm*	W/Ng	W/kg	W/kg	W/kg	W/kg	W/kg	W/kg										1 1	. )	
		1	2	3	4	5	6	7	8	1+2	1+3	1+4	1+6	1+7	1+8	1+4+8	1+5	1+5+6	1+5+7	1+5+8	
	Applicable Limit	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Back Side	Reported Value	0.750	0.160	0.082	0.242	0.056	0.146	0.082	0.109												
WALK SIDE	Ratio to Limit	0.750	0.100	0.051	0.151	0.035	0.091	0.051	0.068	0.850	0.801	0.901	0.841	0.801	0.818	0.969	0.785	0.876	0.836	0.853	

#### Table C-4

**5G mmW NR Hotspot Total Exposure Ratio** 

		psPD	2.4 GHz WLAN Ant1 Reported SAR	2.4 GHz WLAN Ant2 Reported SAR	2.4 GHz WLAN MIMO Reported SAR	Bluetooth Reported SAR	5 GHz WLAN Ant1 Reported SAR	5 GHz WLAN Ant2 Reported SAR	5 GHz WLAN MIMO Reported SAR	psPD + 2.4 GHz WLAN Ant1			psPD + 5 GHz WLAN Ant 1	psPD + 5 GHz WLAN Ant 2	psPD + 5 GHz WLAN MIMO	psPD + 2.4 GHz MIMO + 5 GHz	psPD + BT	psPD + BT + 5 GHz WLAN Ant 1	psPD + BT + 5GHz WLAN Ant 2	psPD + BT + 5GHz WLAN MIMO
			20.0 dBm	20.0 dBm	20.0 dBm	16.0 dBm	17.0 dBm	13.0 dBm	16.0 dBm	WLAN Anti	WLAN Antz	WLAN MIMO	WIAN Ant 1	WLAN Ant 2	WIAN MIMO	MIMO		WLAN Ant 1	WLAN Ant 2	WLAN MIMO
		mW/cm <sup>3</sup>	W/kg	W/kg	W/kg	W/kg	W/kg	W/kg	W/kg											
		1	2	3	4	5	6	7	8	1+2	1+3	1+4	1+6	1+7	1+8	1+4+8	1+5	1+5+6	1+5+7	1+5+8
Арр	olicable Limit	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Back Side	Reported Value	0.750	0.319	0.282	0.104	0.097	0.187	0.139	0.181											
DIRECK STORE	Ratio to Limit	0.750	0.199	0.176	0.065	0.061	0.117	0.087	0.113	0.949	0.926	0.815	0.867	0.837	0.863	0.928	0.811	0.928	0.898	0.924
Front Side	Reported Value	0.312	0.670	0.282	0.192	0.081	0.187	0.139	0.181											
Pront side	Ratio to Limit	0.312	0.419	0.176	0.120	0.051	0.117	0.087	0.113	0.731	0.488	0.432	0.429	0.399	0.425	0.545	0.363	0.480	0.450	0.476
Top Edge	Reported Value	0.110	0.670	0.282	0.192	0.297	0.187	0.139	0.181											
TOPLOGE	Ratio to Limit	0.110	0.419	0.176	0.120	0.186	0.117	0.087	0.113	0.529	0.286	0.230	0.227	0.197	0.223	0.343	0.296	0.413	0.383	0.409
Bottom Edge	Reported Value	0.075	0.000	0.000	0.000	0.000	0.000	0.000	0.000											
BOTTOM Edits	Ratio to Limit	0.075	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
Right Edge	Reported Value	0.750	0.000	0.000	0.000	0.000	0.000	0.000	0.000											
uskur page	Ratio to Limit	0.750	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
Left Edge	Reported Value	0.750	0.053	0.282	0.192	0.013	0.187	0.139	0.181											
Cert Edge	Ratio to Limit	0.750	0.033	0.176	0.120	0.008	0.117	0.087	0.113	0.783	0.926	0.870	0.867	0.837	0.863	0.983	0.758	0.875	0.845	0.871

#### Table C-5

**5G mmW NR Phablet Total Exposure Ratio** 

			G IIIIIIIVV IVIN I	Habiet Tota	I Exposure i	· atio		
		psPD	Reported SAR	5 GHz WLAN Ant2 Reported SAR	5 GHz WLAN MIMO Reported SAR	psPD + 5 GHz WLAN Ant 1	psPD + 5 GHz WLAN Ant 2	psPD + 5 GHz WLAN MIMO
			13.0 dBm	13.0 dBm	16.0 dBm			
		mW/cm²	W/kg	W/kg	W/kg			
		1	2	3	4	1+2	1+3	1+4
Appl	icable Limit	1.0	4.0	4.0	4.0	1.0	1.0	1.0
Back Side	Reported Value	0.750	0.154	0.286	0.514			
Back Side	Ratio to Limit	0.750	0.039	0.072	0.129	0.789	0.822	0.879
Front Side	Reported Value	0.312	0.434	0.286	0.514			
Tront side	Ratio to Limit	0.312	0.109	0.072	0.129	0.421	0.384	0.441
Top Edge	Reported Value	0.110	0.434	0.286	0.514			
Top Luge	Ratio to Limit	0.110	0.109	0.072	0.129	0.219	0.182	0.239
Bottom Edge	Reported Value	0.075	0.000	0.000	0.000			
Bottom Luge	Ratio to Limit	0.075	0.000	0.000	0.000	0.075	0.075	0.075
Right Edge	Reported Value	0.750	0.000	0.000	0.000			
Mgm Luge	Ratio to Limit	0.750	0.000	0.000	0.000	0.750	0.750	0.750
Left Edge	Reported Value	0.750	0.434	0.286	0.514			
Leit Euge	Ratio to Limit	0.750	0.109	0.072	0.129	0.859	0.822	0.879

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#### Notes:

- Worst-case power density results for each test configuration among all antenna arrays (K Patch, L Patch) and among all supported bands (n261, n260) were considered for TER analysis.
- For test positions that were not required to be evaluated for WLAN SAR per FCC KDB publication 248227, the worst-case WLAN SAR result for the applicable exposure conditions was used for simultaneous transmission analysis, as indicated in the above tables in blue.
- 3. Per KDB Publication 248227 D01v02r02, SAR for MIMO was evaluated by following the simultaneous SAR provisions from KDB Publication 447498 D01v06 by evaluating the sum of the 1g SAR values of each antenna transmitting independently, as indicated in the above tables in green.
- For back side, power density results at 2 mm were considered as a more conservative evaluation for 15 mm body-worn and 10mm hotspot.
- For front side, top edge, left edge, and right edge, power density results at 2 mm were considered as a more conservative evaluation for 10 mm hotspot.
- 6. Per FCC guidance, the bands/modes that are not required to be evaluated for Phablet SAR are not considered for TER analysis.
- 7. Per FCC guidance, for power density measurements, a test separation distance of 2 mm was used for phablet configuration due to probe restraints.
- Worst-case front side reported psPD was considered for Head TER analysis.
- The worst-case between Adjusted Reported\_psPD and Measured Total psPD x 0.75 was chosen for TER analysis. The bolded psPD values in Table C-1 indicate the worst-case Reported psPD used in TER analysis.
- 10. In WLAN MIMO operations, each antenna transmits at target powers to achieve the MIMO target powers as indicated above.

The above numerical summed PD and SAR for all the worst-case simultaneous transmission conditions were below the Total Exposure Ratio. Therefore, the above analysis is sufficient to determine no further test cases are required and that simultaneous transmission is compliant to the FCC RF Exposure Limit.

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### **Mathematical Derivation of TER Compliance**

Total Normalized RFx = Normalized RFx 
$$_{Time\ Averaged\ WWAN}$$
 + Normalized RFx  $_{WLAN}$   $\leq 1.0$  (1)

Since WWAN Smart Transmit algorithm adds directly the time-averaged RF exposure from 4G and time-averaged RF exposure from 5G mmW NR, per chipset manufacturer's guidance, Normalized RF exposure from 4G and from 5G mmW NR could be assumed as

Normalized RFx <sub>Time Averaged WWAN</sub> = 
$$\frac{4G SAR}{4G SAR Limit} + \frac{5G mmW NR psPD}{5G mmW NR psPD Limit} \le 1.0$$
 (2)

Smart Transmit algorithm assumes that 4G and 5G mmW NR hotspots are co-located and therefore:

Time Averaged WWAN = 
$$[x(t) \times A] + [(1-x(t)) \times B] \le 1.0$$
 Normalized Limit (3)

A = Max normalized time-averaged SAR exposure from 4G

B = Max normalized time-averaged PD exposure from 5G mmW NR

x(t) = Ranges between [0,1]

 $x(t) \times A = Percentage of normalized time-averaged RF exposure from 4G$ 

 $(1-x(t)) \times B = Remaining percentage of RF exposure contribution from 5G mmW NR$ 

Smart Transmit controls "x" in real time such that the sum of these exposures never exceeds 1.0 Normalized Limit. If the equations below (4a, 4b) are proven, then, mathematically equation (5) would be proven.

$$A + norm. SAR from WLAN \le 1.0 normalized limit$$
 (4a)

$$B + norm. SAR from WLAN \le 1.0 normalized limit$$
 (4b)

$$[x(t) \times A] + [(1-x(t)) \times B] + norm. SAR from WLAN \le 1.0 normalized limit$$
 (5)

Without 5G mmW NR, Smart Transmit limits the maximum RF exposure contributed from 4G to 100% normalized exposure. With 5G mmW NR, Smart Transmit limits the maximum RF exposure contributed from 5G mmW NR to 75% normalized exposure to guarantee at least 25% margin allocated to 4G LTE anchor to maintain the link. Therefore,

Smart Tx WWAN: 
$$A = max$$
 (normalized SAR exposure from  $4G$ )  $\leq 1.0$  normalized limit (6a)

Smart Tx WWAN: 
$$B = 0.75 \times max$$
 (normalized PD exposure from 5G mmW NR)  $\leq 1.0$  normalized limit (6b)

To demonstrate simultaneous transmission compliance in equation (1), below equations (7a & 7b) obtained by combining equations (4a & 4b) and (6a & 6b), should be proven for simultaneous transmission compliance:

Total Normalized RFx = Normalized SAR 
$$_{4GWWAN}$$
 + Normalized SAR  $_{WLAN}$  < 1.0 (7a)

Total Normalized RFx = 
$$0.75 \times Normalized psPD_{5G mmW NR WWAN} + Normalized SAR_{WLAN} < 1.0$$
 (7b)

which are re-written as:

Total Normalized RFx = 
$$\frac{4G \, SAR}{4G \, SAR \, Limit} + \frac{WLAN \, SAR}{WLAN \, SAR \, Limit} < 1$$
 (8a)

Total Normalized RFx = 
$$0.75 * \frac{5G \, mmW \, NR \, psPD}{5G \, mmW \, NR \, psPD \, Limit} + \frac{WLAN \, SAR}{WLAN \, SAR \, Limit} < 1$$
 (8b)

Analysis for equation (8a) is performed in Section 12 of FCC SAR Evaluation Report (Part 1). Analysis for equation (8b) is performed in this appendix, Tables C-2 to C-5.

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### **APPENDIX E: EQUIPMENT CALIBRATION CERTIFICATES**

### 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

Client

**PC Test** 

Certificate No: 5G-Veri30-1035\_Feb20

Accreditation No.: SCS 0108

CALIBRATION (	CERTIFICA	<u>TE</u>		
Object	5G Verification	n Source 30 GHz - SN: 1035		ر کام
Calibration procedure(s)	QA CAL-45.v2 Calibration pro	ocedure for sources in air above 6 GHz	Z	4/8/20
Calibration date:	February 12, 2	:020		
The measurements and the unce	ertainties with confidence	national standards, which realize the physical units o se probability are given on the following pages and an	re part of the certificate.	
All calibrations have been condu	cted in the closed labora	atory facility: environment temperature (22 ± 3)°C an	nd humidity < 70%.	
Calibration Equipment used (M&	TE critical for calibration	1)		
Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration	
Reference Probe EUmmWV3 DAE4ip	SN: 9374 SN: 1602	31-Dec-19 (No. EUmmWV3-9374_Dec19) 01-Oct-19 (No. DAE4ip-1602_Oct19)	Dec-20 Oct-20	
Secondary Standards	ID#	Check Date (in house)	Scheduled Check	
Calibrated by:	Name Jeton Kastrati	Function Laboratory Technician	Signature	
Approved by:	Katja Pokovic	Technical Manager	My	
			Issued: February 18, 20	20

Certificate No: 5G-Veri30-1035\_Feb20

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Glossary

CW

Continuous wave

### Calibration is Performed According to the Following Standards

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

### Methods Applied and Interpretation of Parameters

- Coordinate System: z-axis in the waveguide horn boresight, x-axis is in the direction of the E-field, y-axis normal to the others in the field scanning plane parallel to the horn flare and horn flange.
- Measurement Conditions: (1) 10 GHz: The forward power to the horn antenna is measured prior and after the measurement with a power sensor. During the measurements, the horn is directly connected to the cable and the antenna ohmic and mismatch losses are determined by far-field measurements. (2) 30, 45, 60 and 90 GHz. The verification sources are switched on for at least 30 minutes. Absorbers are used around the probe cub and at the ceiling to minimize reflections.
- Horn Positioning: The waveguide horn is mounted vertically on the flange of the waveguide source to allow vertical positioning of the EUmmW probe during the scan. The plane is parallel to the phantom surface. Probe distance is verified using mechanical gauges positioned on the flare of the horn.
- E- field distribution: E field is measured in two x-y-plane (10mm, 10mm +  $\lambda$ /4) with a vectorial E-field probe. The E-field value stated as calibration value represents the E-field-maxima and the averaged (1cm² and 4cm²) power density values at 10mm in front of the horn.
- Field polarization: Above the open horn, linear polarization of the field is expected. This is verified graphically in the field representation.

### **Calibrated Quantity**

 Local peak E-field (V/m) and peak values of the total and normal component of the poynting vector |Re{S}| and n.Re{S} averaged over the surface area of 1 cm² (pStotavg1cm² and pSnavg1cm²) and 4cm² (pStotavg4cm² and pSnavg4cm²) at the nominal operational frequency of the verification source.

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

Certificate No: 5G-Veri30-1035\_Feb20

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### **Measurement Conditions**

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

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

## Calibration Parameters, 30 GHz

Distance Horn Aperture to Measured Plane	Prad¹ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	n.Re{S}	er Density ,  Re{S}  m2)	Uncertainty (k = 2)
				1 cm <sup>2</sup>	4 cm <sup>2</sup>	
10 mm	29.0	126	1.27 dB	36.5, 36.9	32.1, 32.5	1.28 dB

<sup>&</sup>lt;sup>1</sup> derived from far-field data

### **DASY Report**

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

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

Name, ManufacturerDimensions [mm]IMEIDUT Type5G Verification Source 30 GHz100.0 x 100.0 x 100.0SN: 1035

#### **Exposure Conditions**

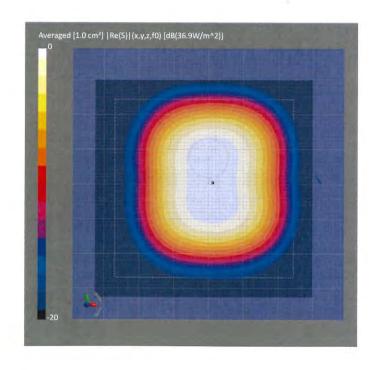
Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	<b>Conversion Factor</b>	
5G -	5.55 mm	Validation band	CW	30000.0, 30000	1.0	

Hardware Setup			
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-78GHz,	DAE4ip Sn1602,
		2019-12-31	2019-10-01

#### Scan Setup

	5G Scan		5G Scan
Grid Extents [mm]	60.0 x 60.0	Date	2020-02-12, 08:14
Grid Steps [lambda]	0.25 x 0.25	Avg. Area [cm <sup>2</sup> ]	1.00
Sensor Surface [mm]	5.55	pStot avg [W/m <sup>2</sup> ]	36.9
MAIA	MAIA not used	pS <sub>n</sub> avg [W/m <sup>2</sup> ]	36.5
		E <sub>peak</sub> [V/m]	126
		Power Drift [dB]	-0.05

**Measurement Results** 



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Client

PC Test

Accreditation No.: SCS 0108

Certificate No: EUmmWV3-9407\_Dec19

### **CALIBRATION CERTIFICATE**

Object

EUmmWV3 - SN:9407

Calibration procedure(s)

QA CAL-02.v9, QA CAL-25.v7, QA CAL-42.v2

Calibration procedure for E-field probes optimized for close near field

evaluations in air

Calibration date:

December 10, 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-Арг-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
Reference Probe ER3DV6	SN: 2328	05-Oct-19 (No. ER3-2328_Oct19)	Oct-20
DAE4	SN: 789	14-Jan-19 (No. DAE4-789_Jan19)	Jan-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 HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-19)	In house check: Oct-20

Name Function Signature

Calibrated by: Laboratory Technician

Approved by: Katja Pokovic

Technical Manager

Issued: December 17, 2019

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Certificate No: EUmmWV3-9407\_Dec19

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Glossary:

NORMx,y,z DCP sensitivity in free space 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 Sensor Angles information used in DASY system to align probe sensor X to the robot coordinate system sensor deviation from the probe axis, used to calculate the field orientation and polarization

is the wave propagation direction

Calibration is Performed According to the Following Standards:

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

### Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization θ = 0 for XY sensors and θ = 90 for Z sensor (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). For frequencies > 6 GHz, the far field in front of waveguide horn antennas is measured for a set of frequencies in various waveguide bands up to 110 GHz.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R, R<sub>p</sub>, inductance L and capacitors C, C<sub>p</sub>).
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- Sensor Offset: The sensor offset corresponds to the mechanical from the probe tip (on probe axis). No
  tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).
- Equivalent Sensor Angle: The two probe sensors are mounted in the same plane at different angles. The angles are assessed using the information gained by determining the NORMx (no uncertainty required).
- Spherical isotropy (3D deviation from isotropy): in a locally homogeneous field realized using an open waveguide / horn setup.

EUmmWV3 - SN: 9407 December 10, 2019

### DASY - Parameters of Probe: EUmmWV3 - SN:9407

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Unc (k=2)
Norm $(\mu V/(V/m)^2)$	0.02290	0.02745	± 10.1 %
DCP (mV) <sup>8</sup>	102.0	113.0	
Equivalent Sensor Angle	-58.6	31.2	

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

Frequency	Target E-Field	Deviation Sensor X	Deviation Sensor Y	Unc (k=2)
GHz	V/m	dB	dB	dB
0.75	77.2	-0.15	0.33	± 0.43 dB
1.8	140.4	0.13	0.23	± 0.43 dB
2	133.0	0.07	0.13	± 0.43 dB
2.2	124.8	0.05	0.04	± 0.43 dB
2.5	123.0	-0.07	-0.19	± 0.43 dB
3.5	256.2	0.02	-0.32	± 0.43 dB
3.7	249.8	0.08	-0.30	± 0.43 dB
6.6	41.8	0.47	0.49	± 0.98 dB
8	48.4	-0.03	-0.20	± 0.98 dB
10	54.4	-0.04	0.00	± 0.98 dB
15	71.5	0.36	-0.21	± 0.98 dB
18	85.3	-0.36	0.03	± 0.98 dB
26.6	96.9	-0.14	0.03	± 0.98 dB
30	92.6	0.12	0.08	± 0.98 dB
35	93.7	-0.37	-0.21	± 0.98 dB
40	91.5	-0.62	-0.59	± 0.98 dB
50	19.6	-0.07	0.01	± 0.98 dB
55	22.4	0.68	0.42	± 0.98 dB
60	23.0	0.06	0.02	± 0.98 dB
65	27.4	-0.38	-0.09	± 0.98 dB
70	23.9	-0.15	-0.23	± 0.98 dB
<b>7</b> 5	20.0	-0.09	-0.06	± 0.98 dB
75	14.8	0.10	0.21	± 0.98 dB
80	22.5	0.38	0.35	± 0.98 dB
85	22.8	0.13	0.09	± 0.98 dB
90	23.8	-0.03	0.04	± 0.98 dB
92	23.9	0.12	-0.08	± 0.98 dB
95	20.5	-0.03	-0.19	± 0.98 dB
97	24.4	-0.06	-0.15	± 0.98 dB
100	22.6	0.09	-0.07	± 0.98 dB
105	22.7	-0.08	0.00	± 0.98 dB
110	19.7	0.08	0.23	± 0.98 dB

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

<sup>&</sup>lt;sup>B</sup> 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.

EUmmWV3 - SN: 9407 December 10, 2019

# DASY - Parameters of Probe: EUmmWV3 - SN:9407

**Calibration Results for Modulation Response** 

UID	Communication System Name		A dB	B dBõV	C	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> (k≃2)
0	CW	Х	0.00	0.00	1.00	0.00	109.4	± 2.7 %	± 4.7 %
		Y	0.00	0.00	1.00		86.2		
10352-	Pulse Waveform (200Hz, 10%)	Х	2.12	60.00	13.39	10.00	6.0	± 1.3 %	± 9.6 %
AAA		Y	1.41	60.00	14.71		6.0		
10353-	Pulse Waveform (200Hz, 20%)	X	1.37	60.00	12.36	6.99	12.0	± 0.8 %	± 9.6 %
AAA	, , , , ,	Y	0.94	60.00	13.81		12.0		
10354-	Pulse Waveform (200Hz, 40%)	X	0.78	60.00	11.17	3.98	23.0	± 1.0 %	± 9.6 %
AAA	·	Y	0.56	60.00	12.74		23.0		
10355-	Pulse Waveform (200Hz, 60%)	X	0.48	60,00	10.18	2.22	27.0	± 0.9 %	± 9.6 %
AAA		Υ	0.38	60.00	11.82		27.0		
10387-	QPSK Waveform, 1 MHz	Х	1.19	117.15	13.96	0.00	22.0	± 1.1 %	± 9.6 %
AAA		Υ	3.79	84.56	1.83		22.0		
10388-	QPSK Waveform, 10 MHz	X	1.27	60.00	11.50	0.00	22.0	± 0.6 %	± 9.6 %
AAA		Y	1.17	60.00	11.99		22.0		
10396-	64-QAM Waveform, 100 kHz	X	1.93	60.00	13.68	3.01	17.0	± 0.6 %	± 9.6 %
AAA		Υ	1.90	60.00	13.43		17.0		
10399-	64-QAM Waveform, 40 MHz	Х	2.13	60.00	12.16	0.00	19.0	± 0.7 %	± 9.6 %
AAA		Y	1.93	60.00	12.50		19.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	3.20	60.00	12.63	0.00	12.0	± 0.8 %	± 9.6 %
AAA		Y	2.86	60.00	12.92		12.0		

Note: For details on all calibrated UID parameters see Appendix

**Calibration Results for Linearity Response** 

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k=2) dB
0.9	50.0	0.10	-0.02	± 0.2 dB
0.9	100.0	0.01	0.02	± 0.2 dB
0.9	500.0	0.00	-0.02	± 0.2 dB
0.9	1000.0	0.03	0.01	± 0.2 dB
0.9	1500.0	0.00	0.00	± 0.2 dB
0.9	2000.0	-0.04	0.01	± 0.2 dB

Sensor Frequency Model Parameters (750 MHz - 78 GHz)

	Sensor X	Sensor Y
R (Ω)	47.82	49.82
$R_{o}(\Omega)$	92.12	88.50
L (nH)	0.03674	0.04042
C (pF)	0.2744	0.2956
C <sub>n</sub> (pF)	0.1087	0.1004

Sensor Frequency Model Parameters (55 GHz - 110 GHz)

	Sensor X	Sensor Y
R (Ω)	34.05	43.37
$R_{0}(\Omega)$	97.85	91.31
L (nH)	0.03646	0.02927
C (pF)	0.1587	0.3237
C <sub>p</sub> (pF)	0.1222	0.1221

# DASY - Parameters of Probe: EUmmWV3 - SN:9407

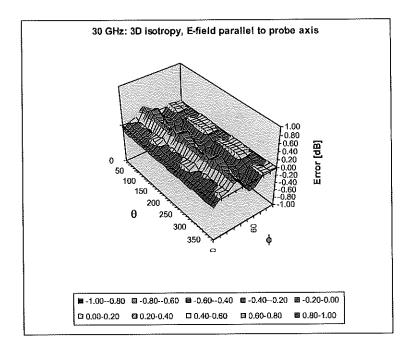
**Sensor Model Parameters** 

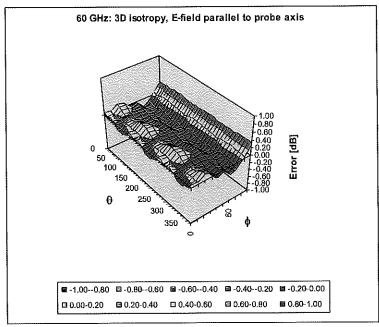
	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms.V <sup>-2</sup>	T2 ms.V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	Т6
X	28.4	213.34	35.57	0.92	3.76	4.99	0.00	1.13	1.01
Υ	28.5	198.32	31.35	0.92	2.68	5.01	0.00	1.20	1.00

### **Other Probe Parameters**

Sensor Arrangement	Rectangular
Connector Angle (°)	201.2
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	320 mm
Probe Body Diameter	8 mm
Tip Length	23 mm
Tip Diameter	8.0 mm
Probe Tip to Sensor X Calibration Point	1.5 mm
Probe Tip to Sensor Y Calibration Point	1.5 mm

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





Probe isotropy for E<sub>tot</sub>: probe rotated  $\phi$  = 0° to 360°, tilted from field propagation direction  $\vec{k}$  Parallel to the field propagation ( $\psi$  =0° - 90°) at 30 GHz: deviation within ± 0.39 dB Parallel to the field propagation ( $\psi$  =0° - 90°) at 60 GHz: deviation within ± 0.30 dB

## **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> (k=2)
0		CW	CW	0.00	±47%
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 12.62	± 9.6 % ± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM GSM	9.55	±9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	4.80	±9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	3.55	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10029	DAC	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	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 (91/4-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 (Pl/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (174-DQ1 31, D110)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	4.77	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10038	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 %
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 WiFl 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 GSM	4.77 6.56	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	WCDMA	3.98	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA) UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10098	CAB		GSM	9.55	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4) 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, QPSN)  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, 16-QAM)	LTE-FDD	6.60	± 9.6 %
10102 10103	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-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 %
10105	CAG	LTE-FIDD (SC-FDMA, 100% RB, 20 MHz, 04-QAM)	LTE-FDD	5.80	± 9.6 %
טוטו	UAG	LIL-I DD (30-I DIVIA, 100 /6 ND, 10 WILL, QFON)	; LIL"[	1 0.00	

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12122		LET EDD (OO EDNA 4000) DD 40 NUL 40 OAAN	TTE CDD	C 49	+069/
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		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	± 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 %
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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)	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 9.90	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD		±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 % ± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96 10.08	±9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD LTE-TDD	9.34	±9.6 %
10258	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.98	±9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10260	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.24	± 9.6 %
10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.83	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)  LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TOD	10.16	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10264 10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSR)  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, 10-QAM)	LTE-TDD	10.07	± 9.6 %
10266	CAG	LTE-TDD (SC-PDMA, 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 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 10-QAM)	LTE-TDD	10.13	± 9.6 %
10209	CAF	LTE-TDD (SC-FDMA, 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 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6 %
10277	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 %

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 %
40000	0.00	symbols) IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10303	AAA		WIMAX	11.86	± 9.6 %
10304	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15	WiMAX	15.24	± 9.6 %
10305	AAA	symbols)	VVIIVIAA	13.24	2 3.0 /6
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	WiMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	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, 18 symbols)	WiMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	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 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	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 WLAN	6.27 8.37	± 9.6 % ± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle) IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10401 10402	AAD AAD	IEEE 802.11ac WiFi (40MHz, 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 %
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	LTE-TDD	7.82	± 9.6 %
	' ' ' '	Subframe=2,3,4,7,8,9, Subframe Conf=4)			1
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, 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	8.45	± 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 % ± 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 7.82	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD		
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 %

,,	AAA		WCDMA	7.59	±9.6%
	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6%
	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10.01	, , , ,	Subframe=2.3.4.7.8.9)			
10462	AAB	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	AAB	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	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)			1000
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
		Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL	LIE-IDD	7.02	2 9.0 76
-10100		Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10468	AAF		LIC-1DD	0.02	2 3.0 /0
10469	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
10469	AAF	Subframe=2,3,4,7,8,9)		)	
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10470	7470	Subframe=2,3,4,7,8,9)			
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10-17 1	7011	Subframe=2,3,4,7,8,9)			
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
,		Subframe=2,3,4,7,8,9)			
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)			
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.00	1000
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL	LIETION	0.07	1 2.0 %
40470	A A D	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10479	AAB	Subframe=2,3,4,7,8,9)		1.,4	2 0.0 70
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	± 9.6 %
10400	7770	Subframe=2,3,4,7,8,9)			
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
10-10	, , , ,	Subframe=2,3,4,7,8,9)			
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL	LTE-TDD	7.71	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10483	AAC	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	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.47	± 9.6 %
		Subframe=2,3,4,7,8,9)		7.50	. 0.00
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL	LTE-TDD	7.59	± 9.6 %
10100	=	Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL	[[-100	0.30	1 5.0 %
40407	A A I-	Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)		0.00	1 20.0 /0
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL.	LTE-TDD	7.70	± 9.6 %
10400	~~-	Subframe=2,3,4,7,8,9)	100		- 5.5 /5
10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
10708	, ,	Subframe=2,3,4,7,8,9)			1
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10,300					
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %

				·····	
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.41	± 9.6 %
		Subframe=2,3,4,7,8,9)	1 75 755	0.55	
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
10101		Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL	LIE-IDD	7.74	19.0 /
10495	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.37	± 9.6 %
10493	AAF	Subframe=2,3,4,7,8,9)		0.01	0.0 /0
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10430	7	Subframe=2,3,4,7,8,9)	1.2.2	3.0.	/.
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.40	± 9.6 %
	<u> </u>	Subframe=2,3,4,7,8,9)			
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.68	±9.6 %
		Subframe=2,3,4,7,8,9)	LTE TOD	7.07	
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
40504	110	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.44	± 9.6 %
10501	AAC		LIE-IDD	0.44	1 3.0 %
10502	AAC	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.52	± 9.6 %
10002	1	Subframe=2,3,4,7,8,9)		0.02	- 0.0 /0
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL	LTE-TDD	7.72	± 9.6 %
10000	""	Subframe=2,3,4,7,8,9)			
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.31	±9.6%
		Subframe=2,3,4,7,8,9)			
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
		Subframe=2,3,4,7,8,9)		ļ	
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL	LTE-TDD	7.74	±9.6 %
		Subframe=2,3,4,7,8,9)	LTC TOD	0.00	106%
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.36	± 9.6 %
10508	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.55	±9.6 %
10000	AAF	Subframe=2,3,4,7,8,9)		0.00	20.0 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL	LTE-TDD	7.99	± 9.6 %
10000	' ' ' ' ' '	Subframe=2.3.4.7.8.9)			
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.49	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.51	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
40540		Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL	LIE-IDD	0.42	T 3.0 %
10514	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
10314	/-V-\	Subframe=2,3,4,7,8,9)		0.40	20.0 %
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 % ± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN WLAN	8.36 8.42	± 9.6 %
10526 10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	± 9.6 %
10527	AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.36	± 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, 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, MCS0, 99pc duty cycle)	WLAN	8.45	± 9.6 %
	, ,-				

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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 %
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 %
		cycle)			
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	±9.6 %
		cycle)		<del></del>	10000
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8,10	± 9.6 %
		cycle)	1.27.22		. 0 0 0/
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
	ļ	cycle)	100 000	4.00	1000
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 %
1	<del> </del>	cycle)	10/1 051	<del></del>	1000
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	± 9.6 %
		cycle)	JAJI A NI	0.70	1069/
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	± 9.6 %
400=0		cycle)	WLAN	8.49	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	0.49	T 5.0 76
40570	A A A	cycle)	WLAN	8.36	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	0.30	2 3.0 /0
40500	1	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	8.76	± 9.6 %
10580	AAA		AALVIA	0.70	- 3.0 /6
10581	AAA	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	± 9.6 %
TOSOI	AAA	cycle)	44 EVIA	0.55	
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	± 9.6 %
10002	AAA	cycle)	YYLATIN	3.07	- 0.0 /0
10583	AAB	Cycle)   IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
	_	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %
10587	AAB	TIERE OUZ. I TA/IT VYIET O GEZ (OFDIVI, 24 IVIDES, 90HC GUTY CYCIE)	AAFW(A	1 0.30	j ± 3.0 /0

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40500		TEET 000 44 - % VAUTE FOUL (OFFINA 20 Mbms 00ms duty ovols)	I MALANI	9.76	+06%
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN WLAN	8.76 8.35	±9.6 % ±9.6 %
10589 10590	AAB AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10590	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 30pc 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)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	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	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 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, 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	8.58	± 9.6 %
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, 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 % ± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88 8.71	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN WLAN	8.85	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10630	AAB		WLAN	8.81	± 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, MCS6, 90pc duty cycle) IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10633 10634	AAB AAB	IEEE 802,11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (60MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 30pc 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	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10040		LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10646	AAF		·		1 1060/
	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10647 10648 10652		LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6 %
10647 10648	AAA				

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10055		LITE TOD (OFDIAN CONTINUE TAKEN A COllegia of 149/)	LTE-TDD	7.21	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)		10.00	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test		± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 % ± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	
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 %
		IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)	WLAN	8.28	± 9.6 %
10686	AAA		WLAN	8.45	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)			± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	
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 %
10707	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 %
10709	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN	8.39	± 9.6 %
		IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.67	± 9.6 %
10712	AAA		WLAN	8.33	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN		
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)		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 %
	1	1	<u> </u>		

40700	Ι Δ Δ Δ	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	± 9.6 %
10728 10729	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10729	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 %
10747	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 %
10749	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS37, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10752		IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10754	AAA		WLAN	8.64	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	8.77	± 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, MCS3, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.49	± 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	8.49	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.54	± 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	8.51	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)			± 9.6 %
10767	AAA	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1	7.99	I 9.0 %
		FOUR COR OFFILM A DR. 40 MILL OPPOK AS VILV	TDD 5G NR FR1	8.01	±9.6 %
10768	AAA	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	TDD	0.01	± 9.0 %
	1	TO MO (OD OFFINIA DD AF MILL ODO)( AF III.)		0.04	± 9.6 %
10769	AAA	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1	8.01	19.0 %
		TO HE (OF OFFILM & DR. OR MILL OFFILM & F. MILL)	TDD FD4	0.00	± 9.6 %
10770	AAA	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.0 %
	1	SO NO (OR OFFINAL OR OF MALE OR O	TDD FOAT	0.00	1000
10771	AAA	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.6 %
			TDD	0.00	106%
10772	AAA	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8.23	± 9.6 %
			TDD TDD	0.00	10000
10773	AAA	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.03	± 9.6 %
			TDD 50 ND 504	0.00	1000
10774	AAA	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.6 %
			TDD FD4	0.00	1.0000
10776	AAA	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1	8.30	± 9.6 %
	<u> </u>		TDD FD4	0.04	1000
10778	AAA	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1	8.34	± 9.6 %
<u> </u>			TDD FD4	0.00	1000
10780	AAA	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8.38	± 9.6 %
			TDD FD4	0.00	1000
10781	AAA	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.38	± 9.6 %
<u></u>		CONDICED OF THE CONDICED CONTRACTOR OF THE CONTR	TDD FO ND FD4	0.40	1000
10782	AAA	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1	8.43	± 9.6 %
1	1		TDD		<u> </u>

10783	AAA	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAA	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAA	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAA	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAA	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAA	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAA	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAA	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAA	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6%
10792	AAA	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAA	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAA	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAA	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6%
10796	AAA	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAA	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAA	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAA	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAA	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAA	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAA	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6 %
10805	AAA	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAA	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAA	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAA	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAA	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAA	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAA	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAA	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAA	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAA	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAA	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAA	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAA	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %

10825	AAA	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAA	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAA	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAA	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAA	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1	7,63	± 9.6 %
10831	AAA	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1	7.73	± 9.6 %
10832	AAA	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAA	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAA	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAA	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAA	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAA	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6 %
10839	AAA	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAA	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAA	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6 %
10843	AAA	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAA	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAA	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAA	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAA	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6 %
10856	AAA	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAA	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6 %
10858	AAA	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAA	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAA	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6 %
10861	AAA	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6 %
10863	AAA	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAA	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6 %
10865	AAA	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAA	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6 %
10868	AAA	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6 %
10869	AAA	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAA	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %

•					
10871	AAA	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAA	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAA	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAA	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAA	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAA	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAA	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2	7.95	± 9.6 %
10878	AAA	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAA	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAA	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2	5.75	± 9.6 %
10882	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	6.61	± 9.6 %
10886	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAA	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAA	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAA	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAA	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2	8.40	± 9.6 %
10891	AAA	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAA	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %

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

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





S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
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Swiss Calibration Service

Accreditation No.: SCS 0108

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Multilateral Agreement for the recognition of calibration certificates

Client

**PC Test** 

Certificate No: EUmmWV3-9415\_Feb20

### CALIBRATION CERTIFICATE

Object

EUmmWV3 - SN:9415

Calibration procedure(s)

QA CAL-02.v9, QA CAL-25.v7, QA CAL-42.v2

Calibration procedure for E-field probes optimized for close near field

evaluations in air

Calibration date:

February 14, 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
Reference Probe ER3DV6	SN: 2328	05-Oct-19 (No. ER3-2328_Oct19)	Oct-20
DAE4	SN: 789	27-Dec-19 (No. DAE4-789_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 HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-19)	In house check: Oct-20

Name Function Signature
Calibrated by: Jeton Kastrati Laboratory Technician

Approved by: Katja Pokovic

Technical Manager

Issued: February 15, 2020

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

Certificate No: EUmmWV3-9415\_Feb20

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# Calibration Laboratory of Schmid & Partner

**Engineering AG** Zeughausstrasse 43, 8004 Zurich, Switzerland





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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

Glossarv:

NORMx,y,z sensitivity in free space DCP diode compression point

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

Polarization o φ rotation around probe axis

Polarization § 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

information used in DASY system to align probe sensor X to the robot coordinate system Connector Angle Sensor Angles sensor deviation from the probe axis, used to calculate the field orientation and polarization

is the wave propagation direction

Calibration is Performed According to the Following Standards:

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

#### Methods Applied and Interpretation of Parameters:

- *NORMx,y,z*: Assessed for E-field polarization  $\vartheta = 0$  for XY sensors and  $\vartheta = 90$  for Z sensor (f  $\leq 900$  MHz in TEM-cell; f > 1800 MHz: R22 waveguide). For frequencies > 6 GHz, the far field in front of waveguide horn antennas is measured for a set of frequencies in various waveguide bands up to 110 GHz.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R, R<sub>0</sub>, inductance L and capacitors C, C<sub>0</sub>).
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- Sensor Offset: The sensor offset corresponds to the mechanical from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).
- Equivalent Sensor Angle: The two probe sensors are mounted in the same plane at different angles. The angles are assessed using the information gained by determining the NORMx (no uncertainty required).
- Spherical isotropy (3D deviation from isotropy): in a locally homogeneous field realized using an open waveguide / horn setup.

EUmmWV3 - SN: 9415

### DASY - Parameters of Probe: EUmmWV3 - SN:9415

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Unc (k=2)
Norm (μV/(V/m) <sup>2</sup> )	0.02252	0.02610	± 10.1 %
DCP (mV) <sup>B</sup>	100.0	113.0	
Equivalent Sensor Angle	-60.2	34.7	

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

Frequency	Target E-Field	Deviation Sensor X	Deviation Sensor Y	Unc (k=2)
GHz	V/m	dB	dB	dB
0.75	77.2	0.01	0.12	± 0.43 dB
1,8	140.4	0.09	0.12	± 0.43 dB
2	133.0	0.04	0.07	± 0.43 dB
2.2	124.8	0.04	0.04	± 0.43 dB
2.5	123.0	-0.06	-0.08	± 0.43 dB
3.5	256.2	0.07	-0.02	± 0.43 dB
3.7	249.8	0.12	0.04	± 0.43 dB
6.6	41.8	0.57	0.29	± 0.98 dB
8	48.4	0.12	-0.21	± 0.98 dB
10	54.4	-0.05	-0.01	± 0.98 dB
15	71.5	-0.13	-0.31	± 0.98 dB
18	85.3	0.03	0.23	± 0.98 dB
26.6	96.9	-0.04	0.11	± 0.98 dB
30	92.6	0.12	0.12	± 0.98 dB
35	93.7	-0.40	-0.14	± 0.98 dB
40	91.5	-0.48	-0.49	± 0.98 dB
50	19.6	-0.21	-0.42	± 0.98 dB
55	22.4	0.75	0.21	± 0.98 dB
60	23.0	0.02	-0.01	± 0.98 dB
65	27.4	-0.31	0.05	± 0.98 dB
70	23.9	0.13	0.07	± 0.98 dB
75	20.0	-0.07	0.07	± 0.98 dB
75	14.8	-0.06	-0.08	± 0.98 dB
80	22.5	0.04	0.18	± 0.98 dB
85	22.8	0.01	-0.05	± 0.98 dB
90	23.8	0.03	0.06	± 0.98 dB
92	23.9	-0.09	-0.16	± 0.98 dB
95	20.5	-0.10	-0.17	± 0.98 dB
97	24.4	0.02	-0.07	± 0.98 dB
100	22.6	-0.04	-0.04	± 0.98 dB
105	22.7	-0.08	0.00	± 0.98 dB
110	19.7	0.14	0.14	± 0.98 dB

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

<sup>&</sup>lt;sup>B</sup> 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 - Parameters of Probe: EUmmWV3 - SN:9415

**Calibration Results for Modulation Response** 

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> (k=2)
0	CW	X	0.00	0.00	1.00	0.00	110.9	± 3.8 %	±4.7 %
		Y	0.00	0.00	1.00		95.6		
10352-	Pulse Waveform (200Hz, 10%)	Х	2.49	60.00	13.67	10.00	6.0	± 1.2 %	± 9.6 %
AAA		Y	2.06	60.00	14.31		6.0	]	
10353-	Pulse Waveform (200Hz, 20%)	X	1.63	60.00	12.61	6.99	12.0	± 0.8 %	± 9.6 %
AAA	, , , , , , , , , , , , , , , , , , ,	Y	1.36	60.00	13.35		12.0	1	
10354-	Pulse Waveform (200Hz, 40%)	X	0.92	60.00	11.37	3.98	23.0	±0.9%	± 9.6 %
AAA		Y	0.79	60.00	12.22	1	23.0	]	
10355-	Pulse Waveform (200Hz, 60%)	X	0.56	60.00	10.42	2.22	27.0	± 0.8 %	±9.6 %
AAA		Y	0.50	60.00	11.35		27.0	*	
10387-	QPSK Waveform, 1 MHz	Х	1.00	60.00	11.30	1.00	22.0	± 2.1 %	± 9.6 %
AAA		Υ	0.99	60.00	11.63	}	22.0	1	
10388-	QPSK Waveform, 10 MHz	X	1.26	60.00	11.64	0.00	22.0	± 0.7 %	± 9.6 %
AAA		Υ	1,22	60.00	11.83		22.0	1	
10396-	64-QAM Waveform, 100 kHz	X	2.61	62.98	15.02	3.01	17.0	± 0.6 %	± 9.6 %
AAA		Y	2.18	61.08	14.03	1	17.0	1	
10399-	64-QAM Waveform, 40 MHz	Х	2.12	60.00	12.25	0.00	19.0	± 0.7 %	± 9.6 %
AAA		Y	2.00	60.00	12.36	1	19.0	1	
10414-	WLAN CCDF, 64-QAM, 40MHz	X	3.22	60.00	12.72	0.00	12.0	± 0.9 %	± 9.6 %
AAA		Y	3.01	60.00	12.79	1	12.0	1	

Note: For details on all calibrated UID parameters see Appendix

**Calibration Results for Linearity Response** 

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k=2) dB
0.9	50.0	-0.14	-0.14	± 0.2 dB
0.9	100.0	-0.11	-0.02	± 0.2 dB
0.9	500.0	0.02	0.01	± 0.2 dB
0.9	1000.0	0.05	0.03	± 0.2 dB
0.9	1500.0	0.04	0.03	± 0.2 dB
0.9	2000.0	0,00	0.01	± 0.2 dB

Sensor Frequency Model Parameters (750 MHz - 78 GHz)

	Sensor X	Sensor Y
R (Ω)	41.29	47.24
$R_{p}(\Omega)$	94.83	89.63
L (nH)	0.03642	0.04028
C (pF)	0.2073	0.2715
C <sub>p</sub> (pF)	0.1227	0.1167

Sensor Frequency Model Parameters (55 GHz – 110 GHz)

	Sensor X	Sensor Y
R (Ω)	29.45	32.76
$R_{p}(\Omega)$	99.11	94.92
L (nH)	0.03900	0.03350
C (pF)	0.1315	0.1918
C <sub>p</sub> (pF)	0.1283	0.1320

# DASY - Parameters of Probe: EUmmWV3 - SN:9415

### **Sensor Model Parameters**

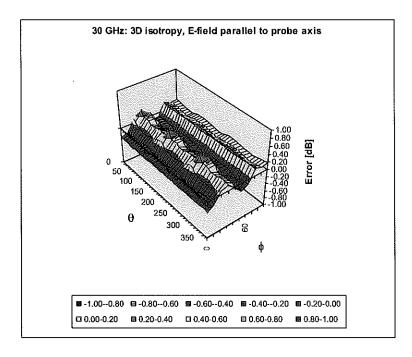
	C1 fF	C2 fF	α <b>V</b> ⁻¹	T1 ms.V <sup>-2</sup>	T2 ms.V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	Т6
X	34.6	259.81	35.60	0.92	5.09	4.98	0.00	1.54	1.01
Y	34.5	242.14	31.75	0.92	4.21	5.00	0.00	1.45	1.01

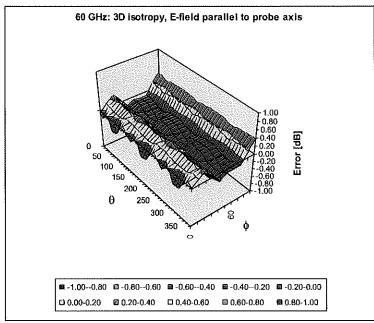
### **Other Probe Parameters**

Sensor Arrangement	Rectangular
Connector Angle (°)	185.2
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	320 mm
Probe Body Diameter	8 mm
Tip Length	23 mm
Tip Diameter	8.0 mm
Probe Tip to Sensor X Calibration Point	1.5 mm
Probe Tip to Sensor Y Calibration Point	1.5 mm

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





Probe isotropy for E<sub>lot</sub>: probe rotated  $\varphi$  = 0° to 360°, tilted from field propagation direction  $\vec{k}$  Parallel to the field propagation ( $\psi$  =0° - 90°) at 30 GHz: deviation within ± 0.34 dB Parallel to the field propagation ( $\psi$  =0° - 90°) at 60 GHz: deviation within ± 0.37 dB

## **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> (k=2)
0		CW	CW	0.00	±4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	±9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6%
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6%
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	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	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 %
		LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10105	CAG	LIE-100 (30-00M, 100% ND, 20 ME)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 117,331	

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10110   CAG   LIE-FDD (SC-FDMA, 100% RB, 15 MHZ, 16-CAM)   LIE-FDD   5.73   ±9.6 %   10111   CAG   LIE-FDD (SC-FDMA, 100% RB, 5 MHZ, 16-CAM)   LIE-FDD   5.73   ±9.6 %   10112   CAG   LIE-FDD (SC-FDMA, 100% RB, 5 MHZ, 16-CAM)   LIE-FDD   5.75   ±9.6 %   10113   CAG   LIE-FDD (SC-FDMA, 100% RB, 10 MHZ, 64-CAM)   LIE-FDD   5.65   ±9.6 %   10113   CAG   LIE-FDD (SC-FDMA, 100% RB, 10 MHZ, 64-CAM)   LIE-FDD   5.65   ±9.6 %   10113   CAG   LIE-FDD (SC-FDMA, 100% RB, 5 MHZ, 64-CAM)   LIE-FDD   5.62   ±9.6 %   10114   CAG   LIE-FDD (SC-FDMA, 100% RB, 5 MHZ, 64-CAM)   WILAN   8.10   ±9.6 %   10115   CAG   LIE-FDD (SC-FDMA, 100% RB, 5 MHZ, 64-CAM)   WILAN   8.16   ±9.6 %   10116   CAG   LIE-FDD (SC-FDMA, 100% RB, 5 MHZ, 64-CAM)   WILAN   8.16   ±9.6 %   10116   CAG   LIE-FDD (SC-FDMA, 100% RB, 16 MHZ, 16 CAM)   WILAN   8.16   ±9.6 %   10116   CAG   LIE-FDD (SC-FDMA, 100% RB, 16 MHZ, 16 CAM)   WILAN   8.16   ±9.6 %   10119   CAG   LIE-FDD (SC-FDMA, 100% RB, 16 MHZ, 16 CAM)   WILAN   8.16   ±9.6 %   10119   CAG   LIE-FDD (SC-FDMA, 100% RB, 16 MHZ, 16 CAM)   WILAN   8.16   ±9.6 %   10119   CAG   LIE-FDD (SC-FDMA, 100% RB, 16 MHZ, 16 CAM)   WILAN   8.16   ±9.6 %   10119   CAG   LIE-FDD (SC-FDMA, 100% RB, 16 MHZ, 16 CAM)   WILAN   8.16   ±9.6 %   10119   CAG   LIE-FDD (SC-FDMA, 100% RB, 16 MHZ, 16 CAM)   UIT-FDD   C4.9   ±9.6 %   10141   CAE   LIE-FDD (SC-FDMA, 100% RB, 3 MHZ, 0FSK)   UIT-FDD   C5.73   ±9.6 %   10141   CAE   LIE-FDD (SC-FDMA, 100% RB, 3 MHZ, 0FSK)   UIT-FDD   C6.65   ±9.6 %   10141   CAE   LIE-FDD (SC-FDMA, 100% RB, 3 MHZ, 0FSK)   UIT-FDD   C6.65   ±9.6 %   10144   CAE   LIE-FDD (SC-FDMA, 100% RB, 3 MHZ, 0FSK)   UIT-FDD   C6.65   ±9.6 %   10144   CAE   LIE-FDD (SC-FDMA, 100% RB, 3 MHZ, 0FSK)   UIT-FDD   C6.65   ±9.6 %   10144   CAE   LIE-FDD (SC-FDMA, 100% RB, 3 MHZ, 0FSK)   UIT-FDD   C6.65   ±9.6 %   10144   CAE   LIE-FDD (SC-FDMA, 100% RB, 3 MHZ, 0FSK)   UIT-FDD   C6.65   ±9.6 %   10144   CAE   LIE-FDD (SC-FDMA, 100% RB, 3 MHZ, 0FSK)   UIT-FDD   C6.65   ±9.6 %   10144   CAE   LIE-FDD (SC-FDMA, 100% RB, 3 M				r	1	
10111	10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10113   CAG   LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-OAM)   LTE-FDD   6.62   ±9.6 %   10114   CAC   LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-OAM)   LTE-FDD   6.62   ±9.6 %   10116   CAC   LEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)   WLAN   8.10   ±9.6 %   10116   CAC   LEEE 802.11n (HT Greenfield, 13.5 Mbps, 64-OAM)   WLAN   8.46   ±9.6 %   10116   CAC   LEEE 802.11n (HT Greenfield, 13.5 Mbps, 64-OAM)   WLAN   8.07   ±9.6 %   10117   CAC   LEEE 802.11n (HT Greenfield, 13.5 Mbps, 64-OAM)   WLAN   8.07   ±9.6 %   10118   CAC   LEEE 802.11n (HT Mixed, 31 Mbps, 16-OAM)   WLAN   8.07   ±9.6 %   10119   CAC   LEEE 802.11n (HT Mixed, 31 Mbps, 16-OAM)   WLAN   8.13   ±9.6 %   10119   CAC   LEEE 802.11n (HT Mixed, 31 Mbps, 16-OAM)   WLAN   8.13   ±9.6 %   10140   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-OAM)   LTE-FDD   6.69   ±9.6 %   10142   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-OAM)   LTE-FDD   6.53   ±9.6 %   10142   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 0FSK)   LTE-FDD   6.53   ±9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 0FSK)   LTE-FDD   6.55   ±9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 0FSK)   LTE-FDD   6.65   ±9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 0FSK)   LTE-FDD   6.65   ±9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 0FSK)   LTE-FDD   6.65   ±9.6 %   10146   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 0FSK)   LTE-FDD   6.65   ±9.6 %   10146   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 0FSK)   LTE-FDD   6.65   ±9.6 %   10146   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 0FSK)   LTE-FDD   6.64   ±9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 0FSK)   LTE-FDD   6.64   ±9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 0FSK)   LTE-FDD   6.64   ±9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 0FSK)   LTE-FDD   6.64   ±9.6 %   10150   CAG   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 0FSK)   LTE-FDD   6.64   ±9.6 %   10150   CAG   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 0FSK)   LTE-FDD   6.64   ±9.6 %   10150   CAG   LTE-FDD (SC-FDMA, 500% RB, 20 M	10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10113   CAG   LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-OAM)   LTE-FDD   6.62   ±9.6 %   10114   CAC   LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-OAM)   LTE-FDD   6.62   ±9.6 %   10116   CAC   LEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)   WLAN   8.10   ±9.6 %   10116   CAC   LEEE 802.11n (HT Greenfield, 13.5 Mbps, 64-OAM)   WLAN   8.46   ±9.6 %   10116   CAC   LEEE 802.11n (HT Greenfield, 13.5 Mbps, 64-OAM)   WLAN   8.07   ±9.6 %   10117   CAC   LEEE 802.11n (HT Greenfield, 13.5 Mbps, 64-OAM)   WLAN   8.07   ±9.6 %   10118   CAC   LEEE 802.11n (HT Mixed, 31 Mbps, 16-OAM)   WLAN   8.07   ±9.6 %   10119   CAC   LEEE 802.11n (HT Mixed, 31 Mbps, 16-OAM)   WLAN   8.13   ±9.6 %   10119   CAC   LEEE 802.11n (HT Mixed, 31 Mbps, 16-OAM)   WLAN   8.13   ±9.6 %   10140   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-OAM)   LTE-FDD   6.69   ±9.6 %   10142   CAE   LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-OAM)   LTE-FDD   6.53   ±9.6 %   10142   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 0FSK)   LTE-FDD   6.53   ±9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 0FSK)   LTE-FDD   6.55   ±9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 0FSK)   LTE-FDD   6.65   ±9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 0FSK)   LTE-FDD   6.65   ±9.6 %   10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 0FSK)   LTE-FDD   6.65   ±9.6 %   10146   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 0FSK)   LTE-FDD   6.65   ±9.6 %   10146   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 0FSK)   LTE-FDD   6.65   ±9.6 %   10146   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 0FSK)   LTE-FDD   6.64   ±9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 0FSK)   LTE-FDD   6.64   ±9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 0FSK)   LTE-FDD   6.64   ±9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 0FSK)   LTE-FDD   6.64   ±9.6 %   10150   CAG   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 0FSK)   LTE-FDD   6.64   ±9.6 %   10150   CAG   LTE-FDD (SC-FDMA, 500% RB, 20 MHz, 0FSK)   LTE-FDD   6.64   ±9.6 %   10150   CAG   LTE-FDD (SC-FDMA, 500% RB, 20 M	10111	CAG				
10114	<b>———</b>					
10116						
10116   CAC     EEE 802.11n (HT Greenfield, 81 Mbps, 16-CAM)						
10111		CAC		WLAN	8.10	
10111	10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10111   CAC	10116			WLAN	8 15	
10119						
10119				***************************************		
10141   CAE						
10141   CAE   LTE-FDD   (SC-FDMA, 100% RB, 15 MHz, 64-OAM)				WLAN		± 9.6 %
10143 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, GPSK)  10144 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM)  10145 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM)  10146 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)  10147 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)  10148 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)  10149 CAE LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)  10149 CAE LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)  10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10151 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10152 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10154 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10155 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10156 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10157 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10158 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10159 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10156 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-CAM)  10157 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-CAM)  10158 CAG LTE-FDD (SC-FDMA, 50% RB, 16 MHz, 16-CAM)  10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, CAPSK)  10158 CAG LTE-FDD (SC-FDMA, 50% RB, 16 MHz, 16-CAM)  10159 CAG LTE-FDD (SC-FDMA, 50% RB, 16 MHz, 16-CAM)  10159 CAG LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  10160 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101616 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101617 CAC LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101618 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101619 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50%	10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10143 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, GPSK)  10144 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM)  10145 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM)  10146 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)  10147 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)  10148 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)  10149 CAE LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)  10149 CAE LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)  10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10151 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10152 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10154 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10155 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10156 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10157 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10158 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10159 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)  10156 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-CAM)  10157 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-CAM)  10158 CAG LTE-FDD (SC-FDMA, 50% RB, 16 MHz, 16-CAM)  10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, CAPSK)  10158 CAG LTE-FDD (SC-FDMA, 50% RB, 16 MHz, 16-CAM)  10159 CAG LTE-FDD (SC-FDMA, 50% RB, 16 MHz, 16-CAM)  10159 CAG LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  10160 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101616 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101617 CAC LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101618 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101619 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50% RB, 16 MHz, CAPSK)  101610 CAE LTE-FDD (SC-FDMA, 50%	10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10144   CAE   LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-OAM)						
10144   CAE   LTE-FDD   (SC-FDMA, 100% RB, 3 MHz, 64-QAM)   LTE-FDD   5.76   ± 9.6 %   10146   CAF   LTE-FDD   (SC-FDMA, 100% RB, 1.4 MHz, QPSK)   LTE-FDD   6.41   ± 9.6 %   10147   CAF   LTE-FDD   (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)   LTE-FDD   6.72   ± 9.8 %   10149   CAE   LTE-FDD   (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)   LTE-FDD   6.42   ± 9.6 %   10150   CAE   LTE-FDD   (SC-FDMA, 50% RB, 2.0 MHz, 16-QAM)   LTE-FDD   6.62   ± 9.6 %   10150   CAE   LTE-FDD   (SC-FDMA, 50% RB, 2.0 MHz, 64-QAM)   LTE-FDD   6.62   ± 9.6 %   10151   CAG   LTE-FDD   (SC-FDMA, 50% RB, 2.0 MHz, QPSK)   LTE-TDD   9.28   ± 9.6 %   10152   CAG   LTE-TDD   (SC-FDMA, 50% RB, 2.0 MHz, QPSK)   LTE-TDD   9.28   ± 9.6 %   10152   CAG   LTE-TDD   (SC-FDMA, 50% RB, 2.0 MHz, QPSK)   LTE-TDD   9.2   ± 9.6 %   10153   CAG   LTE-FDD   (SC-FDMA, 50% RB, 2.0 MHz, QPSK)   LTE-TDD   10.05   ± 9.6 %   10154   CAG   LTE-FDD   (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-FDD   10.05   ± 9.6 %   10155   CAG   LTE-FDD   (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-FDD   6.43   ± 9.6 %   10155   CAG   LTE-FDD   (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-FDD   6.43   ± 9.6 %   10155   CAG   LTE-FDD   (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-FDD   6.43   ± 9.6 %   10155   CAG   LTE-FDD   (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-FDD   6.42   ± 9.6 %   10156   CAG   LTE-FDD   (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-FDD   6.62   ± 9.6 %   10159   CAG   LTE-FDD   (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.62   ± 9.6 %   10159   CAG   LTE-FDD   (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.62   ± 9.6 %   10160   CAE   LTE-FDD   (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.56   ± 9.6 %   10160   CAE   LTE-FDD   (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.56   ± 9.6 %   10160   CAE   LTE-FDD   (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.58   ± 9.6 %   10160   CAE   LTE-FDD   (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.58   ± 9.6 %   10160   CAE   LTE-FDD   (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.51   ± 9.6 %   10160   CAE   LTE-FDD   (SC-FDMA, 18R, 10 MHz, QPSK)   LTE-FDD   6.52				-		
10146   CAF   LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QFSK)   LTE-FDD   5.76   ±9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)   LTE-FDD   6.41   ±9.6 %   10147   CAF   LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)   LTE-FDD   6.42   ±9.6 %   10149   CAE   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)   LTE-FDD   6.60   ±9.6 %   10151   CAE   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)   LTE-FDD   6.60   ±9.6 %   10151   CAE   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)   LTE-FDD   9.22   ±9.6 %   10152   CAG   LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)   LTE-TDD   9.22   ±9.6 %   10153   CAG   LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)   LTE-TDD   9.22   ±9.6 %   10153   CAG   LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)   LTE-TDD   10.05   ±9.6 %   10154   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)   LTE-FDD   10.05   ±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, 50 MHz, 10-QAM)   LTE-FDD   6.43   ±9.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 10-QAM)   LTE-FDD   6.45   ±9.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 10-QAM)   LTE-FDD   6.62   ±9.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 10-QAM)   LTE-FDD   6.62   ±9.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 10-QAM)   LTE-FDD   6.62   ±9.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 10-QAM)   LTE-FDD   6.62   ±9.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 10-QAM)   LTE-FDD   6.62   ±9.6 %   10166   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 10-QAM)   LTE-FDD   6.62   ±9.6 %   10166   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 10-QAM)   LTE-FDD   6.62   ±9.6 %   10166   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 10-QAM)   LTE-FDD   6.63   ±9.6 %   10166   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 10-QAM)   LTE-FDD   6.63   ±9.6 %   10166   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 10-QAM)   LTE-FDD   6.63   ±9.6 %   10166   CAE   LTE-FDD (SC-FDMA, 178, 20 MHz, 10-QAM)   LTE-FDD   6.63   ±9.6 %   10166   CAE   LTE-FDD (SC						
10148   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 84-OAM)   LTE-FDD (S-PDMA, 100% RB, 14 MHz, 84-OAM)   LTE-FDD (S-PDMA, 50% RB, 20 MHz, 16-OAM)   LTE-FDD (S-PDMA, 50% RB, 20 MHz, 16-OAM)   LTE-FDD (S-PDMA, 50% RB, 20 MHz, 64-OAM)   LTE-TDD (S-PDMA, 50% RB, 10 MHz, 64-OAM)   LTE-TDD (S-PDMA, 50% RB, 10 MHz, 64-OAM)   LTE-TDD (S-PDMA, 50% RB, 10 MHz, 64-OAM)   LTE-FDD (S-PDMA, 50% RB, 10 MHz, 64-OAM)   LTE-FDD (S-PDMA, 50% RB, 50 MHz, 64-OAM)   LTE-FDD (S-SE)	<u></u>	***************************************				
10147   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 48-QAM)	10145		LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6%
10147   CAF   LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 48-QAM)	10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1,4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6%
10149   CAE	10147					
10150   CAE   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-CAM)						
10151   CAG   LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)   LTE-TDD   9.28   9.6 %   10152   CAG   LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)   LTE-TDD   10.05   19.6 %   10154   CAG   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)   LTE-TDD   10.05   19.6 %   10154   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)   LTE-FDD   5.75   19.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)   LTE-FDD   6.43   19.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 0PSK)   LTE-FDD   6.49   19.6 %   10157   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 0PSK)   LTE-FDD   6.49   19.6 %   10157   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-FDD   6.49   19.6 %   10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-FDD   6.69   19.6 %   10159   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-FDD   6.60   19.6 %   10159   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-FDD   6.56   19.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 26-QAM)   LTE-FDD   6.56   19.6 %   101610   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 26-QAM)   LTE-FDD   6.56   19.6 %   10162   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 26-QAM)   LTE-FDD   6.58   19.6 %   10162   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 26-QAM)   LTE-FDD   6.58   19.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 26-QAM)   LTE-FDD   6.58   19.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 26-QAM)   LTE-FDD   6.58   19.6 %   10169   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 26-QAM)   LTE-FDD   5.73   19.6 %   10169   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 26-QAM)   LTE-FDD   5.73   19.6 %   10169   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 26-QAM)   LTE-FDD   5.73   19.6 %   10170   CAE   LTE-FDD (SC-FDMA, 18 R) 20 MHz, 26-QAM)   LTE-FDD   6.29   19.6 %   10171   CAE   LTE-FDD (SC-FDMA, 18 R) 20 MHz, 26-QAM)   LTE-FDD   6.29   19.6 %   10172   CAG   LTE-FDD (SC-FDMA, 18 R) 20 MHz, 26-QAM)   LTE-FDD   6.52   19.6 %   10174   CAG   LTE-FDD (SC-FDMA, 18 R) 20 MHz, 26-QAM)   LTE-FDD   6.52   19.6 %   10176   CAG   LTE-FDD (SC-FDMA, 18 R) 20 MHz						
10152   CAG   LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-OAM)						
10152	10151	CAG		LTE-TDD	9.28	± 9.6 %
10163   CAG   LTE-FDD (SC-FDMA, 50% RB, 20 MHz, GPSK)   LTE-FDD   5.75   ±9.6 %   10155   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-FDD   5.75   ±9.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-FDD   5.79   ±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, GPSK)   LTE-FDD   6.43   ±9.6 %   10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, GA-QAM)   LTE-FDD   6.49   ±9.6 %   10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, G4-QAM)   LTE-FDD   6.56   ±9.6 %   10169   CAG   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM)   LTE-FDD   6.56   ±9.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM)   LTE-FDD   6.56   ±9.6 %   10161   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM)   LTE-FDD   6.56   ±9.6 %   10162   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM)   LTE-FDD   6.56   ±9.6 %   10162   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM)   LTE-FDD   6.58   ±9.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)   LTE-FDD   6.54   ±9.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)   LTE-FDD   6.56   ±9.6 %   10168   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, G4-QAM)   LTE-FDD   6.21   ±9.6 %   10169   CAE   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, G4-QAM)   LTE-FDD   6.21   ±9.6 %   10169   CAE   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, G4-QAM)   LTE-FDD   6.21   ±9.6 %   10173   CAG   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)   LTE-FDD   6.21   ±9.6 %   10174   CAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)   LTE-FDD   6.22   ±9.6 %   10174   CAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)   LTE-FDD   6.22   ±9.6 %   10174   CAG   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)   LTE-FDD   6.22   ±9.6 %   10174   CAG   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)   LTE-FDD   6.22   ±9.6 %   10174   CAG   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)   LTE-FDD   6.52   ±9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 50 MHz, G4-QAM)   LTE-FDD   6.52   ±9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 50 MHz, G4-QAM)   LTE	10152	CAG		LTE-TDD	9.92	± 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 %   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, 5 MHz, 16-QAM)   LTE-FDD   6.49   ±9.6 %   10159   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-FDD   6.62   ±9.6 %   10159   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-FDD   6.56   ±9.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.56   ±9.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.56   ±9.6 %   10161   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-FDD   6.58   ±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, 14 MHz, 64-QAM)   LTE-FDD   6.58   ±9.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM)   LTE-FDD   5.46   ±9.6 %   10168   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM)   LTE-FDD   5.46   ±9.6 %   10168   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM)   LTE-FDD   5.46   ±9.6 %   10168   CAF   LTE-FDD (SC-FDMA, 16% RB, 20 MHz, QPSK)   LTE-FDD   6.21   ±9.6 %   10170   CAE   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, QPSK)   LTE-FDD   6.79   ±9.6 %   10171   CAE   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, QPSK)   LTE-FDD   6.52   ±9.6 %   10172   CAG   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, QPSK)   LTE-FDD   6.52   ±9.6 %   10173   CAG   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, QPSK)   LTE-FDD   6.52   ±9.6 %   10173   CAG   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, QPSK)   LTE-FDD   6.52   ±9.6 %   10173   CAG   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, GPSK)   LTE-FDD   5.73   ±9.6 %   10173   CAG   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, GPSK)   LTE-FDD   5.72   ±9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 17 RB, 20 MHz, GPSK)   LTE-FDD   6.52   ±9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 17 RB, 10 MHz, QPSK)   LTE-FDD   6.52   ±9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 17 RB, 10 MHz, QPSK)   LTE-FDD   6.5						
10155   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)   LTE-FDD   5.73   49.6 %   10156   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-FDD   5.73   49.6 %   10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-FDD   6.49   49.6 %   10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-FDD   6.62   49.6 %   10159   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-FDD   6.56   49.6 %   10160   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QFSK)   LTE-FDD   5.82   49.6 %   10161   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QFSK)   LTE-FDD   6.43   49.6 %   10162   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 10-QAM)   LTE-FDD   6.43   49.6 %   10162   CAE   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 10-QAM)   LTE-FDD   6.43   49.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 10-QAM)   LTE-FDD   5.46   49.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 10-QAM)   LTE-FDD   5.46   49.6 %   10167   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 10-QAM)   LTE-FDD   5.46   49.6 %   10169   CAF   LTE-FDD (SC-FDMA, 18B, 20 MHz, QPSK)   LTE-FDD   6.21   49.6 %   10169   CAE   LTE-FDD (SC-FDMA, 18B, 20 MHz, 10-QAM)   LTE-FDD   5.73   49.6 %   10170   CAE   LTE-FDD (SC-FDMA, 18B, 20 MHz, 10-QAM)   LTE-FDD   5.73   49.6 %   10170   CAE   LTE-FDD (SC-FDMA, 18B, 20 MHz, 64-QAM)   LTE-FDD   5.73   49.6 %   10171   CAE   LTE-FDD (SC-FDMA, 18B, 20 MHz, 64-QAM)   LTE-FDD   5.73   49.6 %   10172   CAG   LTE-TDD (SC-FDMA, 18B, 20 MHz, 64-QAM)   LTE-FDD   5.79   48.6 %   10173   CAG   LTE-TDD (SC-FDMA, 18B, 20 MHz, 64-QAM)   LTE-FDD   5.79   48.6 %   10174   CAG   LTE-FDD (SC-FDMA, 18B, 20 MHz, 64-QAM)   LTE-FDD   5.79   48.6 %   10175   CAG   LTE-FDD (SC-FDMA, 18B, 20 MHz, 64-QAM)   LTE-FDD   5.70   48.6 %   10176   CAG   LTE-FDD (SC-FDMA, 18B, 20 MHz, 64-QAM)   LTE-FDD   5.70   48.6 %   10176   CAG   LTE-FDD (SC-FDMA, 18B, 20 MHz, 64-QAM)   LTE-FDD   5.70   48.6 %   10176   CAG   LTE-FDD (SC-FDMA, 18B, 50 MHz, 64-QAM)   LTE-FDD   5.70   48.6 %   10176   CAG   LTE-FDD (SC-FDMA, 18B, 50 MHz, 64-QAM)   LTE-FDD   5.70						
10156						
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, 5 MHz, 64-QAM)   LTE-FDD   6.62   ±9.6 %   10160   CAE   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   6.43   ±9.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-FDD   6.56   ±9.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM)   LTE-FDD   6.44   ±9.6 %   10167   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM)   LTE-FDD   6.21   ±9.6 %   10168   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM)   LTE-FDD   6.21   ±9.6 %   10169   CAE   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)   LTE-FDD   6.79   ±9.6 %   10169   CAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 20 PSK)   LTE-FDD   6.79   ±9.6 %   10170   CAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   6.79   ±9.6 %   10171   AAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   6.52   ±9.6 %   10172   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   6.52   ±9.6 %   10173   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   6.52   ±9.6 %   10173   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   6.52   ±9.6 %   10175   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-TDD   9.21   ±9.6 %   10175   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   6.52   ±9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)   LTE-FDD   6.52   ±9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)   LTE-FDD   6.52   ±9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)   LTE-FDD   6.52   ±9.6 %   10180   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, 10 MHz, 64-QAM)   LTE-FDD   6.50   ±9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)   LTE-F		•		<del>}</del>		
10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10158   CAG   LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 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, LTE-FDM   LTE-FDD   5.82   ± 9.6 %   10162   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, 16-QAM)   LTE-FDD   6.58   ± 9.6 %   10166   CAF   LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)   LTE-FDD   6.58   ± 9.6 %   10167   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM)   LTE-FDD   6.21   ± 9.6 %   10168   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM)   LTE-FDD   6.21   ± 9.6 %   10168   CAF   LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-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, QPSK)   LTE-FDD   6.52   ± 9.6 %   10171   AAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   6.52   ± 9.6 %   10172   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   6.52   ± 9.6 %   10173   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   6.49   ± 9.6 %   10173   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   9.21   ± 9.6 %   10174   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   9.24   ± 9.6 %   10174   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   9.25   ± 9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)   LTE-FDD   5.72   ± 9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)   LTE-FDD   5.72   ± 9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)   LTE-FDD   5.72   ± 9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)   LTE-FDD   5.72   ± 9.6 %   10179   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)   LTE-FDD   6.52   ± 9.6 %   10183   AAD   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)   LTE-FDD   6.52   ± 9.6 %   10183   AAD   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)   LTE-FDD   6.50   ± 9.6 %   10183   AAD   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)   LTE-FDD   6.50   ± 9.6 %   10183   AAD   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 6		CAG		I TF-FDD		
10160   CAE	Ļ	<del></del>				
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, QPSK)   LTE-FDD   6.21   ±9.6 %   10168   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 %   10170   CAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)   LTE-FDD   6.73   ±9.6 %   10170   CAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)   LTE-FDD   6.52   ±9.6 %   10171   AAE   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, GPSK)   LTE-FDD   6.49   ±9.6 %   10172   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)   LTE-FDD   6.49   ±9.6 %   10173   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, GPSK)   LTE-TDD   9.21   ±9.6 %   10173   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, GPSK)   LTE-TDD   9.48   ±9.6 %   10175   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, GPSK)   LTE-TDD   9.48   ±9.6 %   10175   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, GPSK)   LTE-TDD   10.25   ±9.6 %   10175   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, GPSK)   LTE-FDD   5.72   ±9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, GPSK)   LTE-FDD   5.73   ±9.6 %   10178   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)   LTE-FDD   5.73   ±9.6 %   10178   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)   LTE-FDD   5.73   ±9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)   LTE-FDD   5.73   ±9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)   LTE-FDD   5.73   ±9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)   LTE-FDD   5.72   ±9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)   LTE-FDD   5.72   ±9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)   LTE-FDD   5.73   ±9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)   LTE-FDD   6.50   ±9.6 %   10180   CAC   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)   LTE-FDD   6.50   ±9.6 %   10180   CAC   LTE-FDD (SC-FD						
10162	\					
10166	10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	
10166	10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10167	10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	
10168				· • · · · · · · · · · · · · · · · · · ·		
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   9.48   ± 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, QPSK)   LTE-FDD   5.72   ± 9.6 %   10176   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)   LTE-FDD   5.72   ± 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, QPSK)   LTE-FDD   5.73   ± 9.6 %   10179   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)   LTE-FDD   6.52   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10181   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10182   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10183   AAD   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10184   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10185   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10186   AAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10186   AAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10188   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10188   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10189   AAF   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10189   CAC   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, G4-QAM)   LTE-FDD   6.50   ± 9.6 %   10193   CAC   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, G4-QAM)   LTE-FDD   6.50						
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, GPSK)   LTE-TDD   9.48   ± 9.6 %   10174   CAG   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, GPSK)   LTE-TDD   9.48   ± 9.6 %   10175   CAG   LTE-FDD (SC-FDMA, 1 RB, 20 MHz, GPSK)   LTE-TDD   10.25   ± 9.6 %   10176   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, GPSK)   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, GP-QAM)   LTE-FDD   6.52   ± 9.6 %   10179   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, GP-QAM)   LTE-FDD   6.52   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 10 MHz, GP-QAM)   LTE-FDD   6.50   ± 9.6 %   10180   CAG   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, GP-QAM)   LTE-FDD   6.50   ± 9.6 %   10181   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, GP-QAM)   LTE-FDD   5.72   ± 9.6 %   10182   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, GP-QAM)   LTE-FDD   6.52   ± 9.6 %   10183   AAD   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, GP-QAM)   LTE-FDD   6.52   ± 9.6 %   10184   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GP-QAM)   LTE-FDD   6.50   ± 9.6 %   10185   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GP-QAM)   LTE-FDD   6.50   ± 9.6 %   10186   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GP-QAM)   LTE-FDD   6.50   ± 9.6 %   10187   CAF   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GP-QAM)   LTE-FDD   6.50   ± 9.6 %   10188   CAF   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GP-QAM)   LTE-FDD   6.50   ± 9.6 %   10189   CAC   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GP-QAM)   LTE-FDD   6.50   ± 9.6 %   10189   CAC   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GP-QAM)   LTE-FDD   6.50   ± 9.6 %   10199   CAC   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GP-QAM)   LTE-FDD   6.50   ± 9.6 %   10199   CAC   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GP-QAM)   LTE-FDD   6.50						
10171   AAE					~~~	
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, QPSK)   LTE-FDD   5.72   ± 9.6 %   10177   CAI   LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)   LTE-FDD   6.52   ± 9.6 %   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   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, QPSK)   LTE-FDD   6.50   ± 9.6 %   10181   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)   LTE-FDD   6.50   ± 9.6 %   10182   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)   LTE-FDD   6.50   ± 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   6.50   ± 9.6 %   10185   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)   LTE-FDD   6.50   ± 9.6 %   10186   AAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)   LTE-FDD   6.50   ± 9.6 %   10187   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)   LTE-FDD   6.50   ± 9.6 %   10188   CAF   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)   LTE-FDD   6.50   ± 9.6 %   10189   AAF   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)   LTE-FDD   6.50   ± 9.6 %   10189   CAC   LEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)   LTE-FDD   6.50   ± 9.6 %   10193   CAC   LEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)   WLAN   8.12   ± 9.6 %   10196   CAC   LEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)   WLAN   8.12   ± 9.6 %   10198   CAC   LEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)   WLAN   8.13   ± 9.6 %   10198   CAC   LEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)   WLAN   8.13   ± 9.6 %   10198   CAC   LEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)   WLAN   8.13   ± 9.6 %   10198	10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 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   6.50   ± 9.6 %   10182   CAE   LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)   LTE-FDD   6.50   ± 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, 15 MHz, 64-QAM)   LTE-FDD   6.50   ± 9.6 %   10185   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 0PSK)   LTE-FDD   6.50   ± 9.6 %   10186   AAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 0PSK)   LTE-FDD   6.51   ± 9.6 %   10187   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 0PSK)   LTE-FDD   6.51   ± 9.6 %   10188   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 0PSK)   LTE-FDD   6.50   ± 9.6 %   10188   CAE   LTE-FDD (SC-FDMA, 1 RB, 1 MHz, 0PSK)   LTE-FDD   6.50   ± 9.6 %   10188   CAE   LTE-FDD (SC-FDMA, 1 RB, 1 MHz, 0PSK)   LTE-FDD   6.50   ± 9.6 %   10189   CAC   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 0PSK)   LTE-FDD   6.50   ± 9.6 %   10193   CAC   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 0PSK)   LTE-FDD   6.50   ± 9.6 %   10193   CAC   LTE-BDD (SC-FDMA, 1 RB, 1.4 MHz, 0PSK)   LTE-FDD   6.50   ± 9.6 %   10193   CAC   LTE-BDD (SC-FDMA, 1 RB, 1.4 MHz, 0PSK)   LTE-FDD   6.50   ± 9.6 %   10193   CAC   LTE-BDD (SC-FDMA, 1 RB, 1.4 MHz, 0PSK)   LTE-FDD   6.50   ± 9.6 %   10193   CAC   LTE-BDD (SC-FDMA, 1 RB, 1.4 MHz, 0PSK)   LTE-FDD   6.50   ± 9.6 %   101	10171	AAE	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, 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, QPSK)   LTE-FDD   6.52   ± 9.6 %   10179   CAG   LTE-FDD (SC-FDMA, 1 RB, 5 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, 16-QAM)   LTE-FDD   6.52   ± 9.6 %   10184   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)   LTE-FDD   6.50   ± 9.6 %   10185   CAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)   LTE-FDD   6.50   ± 9.6 %   10186   AAE   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)   LTE-FDD   6.51   ± 9.6 %   10187   CAF   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)   LTE-FDD   6.51   ± 9.6 %   10187   CAF   LTE-FDD (SC-FDMA, 1 RB, 14 MHz, QPSK)   LTE-FDD   6.50   ± 9.6 %   10188   CAF   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)   LTE-FDD   6.50   ± 9.6 %   10189   AAF   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)   LTE-FDD   6.50   ± 9.6 %   10189   AAF   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)   LTE-FDD   6.50   ± 9.6 %   10189   AAF   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)   LTE-FDD   6.50   ± 9.6 %   10189   AAF   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)   LTE-FDD   6.50   ± 9.6 %   10189   AAF   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)   LTE-FDD   6.50   ± 9.6 %   10189   AAF   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)   LTE-FDD   6.50   ± 9.6 %   10199   CAC   IEEE 802.11n (HT Greenfield, 65 Mbps, BPSK)   WLAN   8.12   ± 9.6 %   10199   CAC   IEEE 802.11n (HT Mixed, 65 Mbps, BPSK)   WLAN   8.13   ± 9.	10172	CAG	LTE-TDD (SC-EDMA 1 RB 20 MHz, OPSK)			<del></del>
10174						
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         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GPSK)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GPSK)         LTE-FDD				<del></del>		
10176		· · · · · · · · · · · · · · · · · · ·				
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         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GPSK)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK)         LTE-FDD						,
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         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GPSK)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK)         LTE-FDD	10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±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         ± 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, 64-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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         ± 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, 64-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.52         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN<						
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         6.52         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN			<u></u>			
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 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)						
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         6.52         ± 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, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         W					•	
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, 65 Mbps, 64-QAM)         WLAN         8.12         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLA					, <u> </u>	
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, 65 Mbps, 64-QAM)         WLAN         8.12         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLA	10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)		6.52	±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, 65 Mbps, 64-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.21         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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 Mixed, 6.5 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, 65 Mbps, 64-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLA						
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 %						
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 %			· · · · · · · · · · · · · · · · · · ·			
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 %						
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 %	10187		LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	
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 %		CAF			6.52	± 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 %						
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 %						
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 %						
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 %						
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 %					8.21	
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 %	10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6 %
10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %					<del> </del>	
					<del></del>	
10219   CAC   IEEE 002.1111 (T1 Mixeu, 7.2 Midps, BPSN)   WLAN   8.03   ±9.6 %						
	10219	LOHO	IEEE OUZ.   III (TI WIIXEU, 1.2 WIDPS, DEON)	I VYLAIN	0.03	I 5.0 %

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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		<u> </u>		
***************************************	<del> </del>	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 %
10239		· · · · · · · · · · · · · · · · · · ·			± 9.6 %
	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	
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 %
10252	CAF		LTE-TDD	9.90	± 9.6 %
		LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)			
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 %
			LTE-TDD	10.06	
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)			± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TOD	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, SC3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC3, SO3, Full Rate  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%

LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)  IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)  IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)  IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)  IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)  IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)  IDEN 1:3	UTE-FDD WIMAX	12.03 12.57 12.52 11.86 15.24 14.67 14.49 14.46 14.58	± 9.6 % ± 9.6 %
IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)  IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)  IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)  IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)  IDEN 1:3	WIMAX	12.57 12.52 11.86 15.24 14.67 14.49 14.46 14.58	± 9.6 %  ± 9.6 %  ± 9.6 %  ± 9.6 %  ± 9.6 %  ± 9.6 %
symbols)  IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)  IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)  IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)  IDEN 1:3	WIMAX WIMAX WIMAX WIMAX WIMAX WIMAX WIMAX WIMAX WIMAX	12.52 11.86 15.24 14.67 14.49 14.46 14.58	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC) IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	WIMAX WIMAX WIMAX WIMAX WIMAX WIMAX WIMAX	11.86 15.24 14.67 14.49 14.46 14.58	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols) IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols) IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols) IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols) IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols) LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) IDEN 1:3	WIMAX WIMAX WIMAX WIMAX WIMAX WIMAX WIMAX	11.86 15.24 14.67 14.49 14.46 14.58	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)  IDEN 1:3	WIMAX WIMAX WIMAX WIMAX WIMAX WIMAX	15.24 14.67 14.49 14.46 14.58	± 9.6 %  ± 9.6 %  ± 9.6 %  ± 9.6 %
symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)  IDEN 1:3	WIMAX WIMAX WIMAX WIMAX WIMAX	14.67 14.49 14.46 14.58	± 9.6 % ± 9.6 %
IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)  IDEN 1:3	WIMAX WIMAX WIMAX	14.49 14.46 14.58	± 9.6 %
symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)  IDEN 1:3	WIMAX WIMAX WIMAX	14.49 14.46 14.58	± 9.6 %
symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)  IDEN 1:3	WIMAX WIMAX WIMAX	14.46 14.58	±9.6%
symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)  IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)  IDEN 1:3	WiMAX	14.58	
IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols) LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) IDEN 1:3	WiMAX	14.58	
symbols)  IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)  IDEN 1:3	WiMAX		± 9.6 %
IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)  IDEN 1:3		14 57	
symbols) LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) IDEN 1:3		14.57	
LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) IDEN 1:3	ITE END	17.01	±9.6%
iDEN 1:3	LITE EDD :		
		6.06	± 9.6 %
IDEN 1:6	IDEN	10.51	± 9.6 %
	IDEN	13.48	± 9.6 %
IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	± 9.6 %
IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
			± 9.6 %
			± 9.6 %
			± 9.6 %
			± 9.6 %
		<del></del>	± 9.6 %
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			± 9.6 %
			± 9.6 %
			± 9.6 %
			± 9.6 %
			± 9.6 %
	Generic	8.54	±9.6%
	WLAN	1.54	±9.6 %
IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
	WLAN	8.23	± 9.6 %
	WLAN	8.14	± 9.6 %
Long preambule)			
	WLAN	8.19	± 9.6 %
			L
		<del> </del>	± 9.6 %
			±9.6 %
			± 9.6 %
			± 9.6 %
	WLAN	8.45	± 9.6 %
IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
	LTE-FDD	8,28	± 9.6 %
LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)			+ un %
LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6%
LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD LTE-FDD	8.34 8.34	± 9.6 % ± 9.6 %
LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH)	LTE-FDD LTE-FDD WCDMA	8.34 8.34 8.60	± 9.6 % ± 9.6 % ± 9.6 %
LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	LTE-FDD LTE-FDD	8.34 8.34	± 9.6 % ± 9.6 %
LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-FDD LTE-FDD WCDMA LTE-TDD	8.34 8.34 8.60 7.82	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	LTE-FDD LTE-FDD WCDMA	8.34 8.34 8.60	± 9.6 % ± 9.6 % ± 9.6 %
	A Pulse Waveform (200Hz, 80%) A QPSK Waveform, 1 MHz A G4-QAM Waveform, 100 kHz A G4-QAM Waveform, 40 MHz D IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11bc WiFi (80MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11bc WiFi (80MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11bc WiFi (80MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11bc WiFi (80MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11bc WiFi (80MHz, 64-QAM, 99pc duty cycle) D IEEE 802.11bc WiFi (80MHz, 64-QAM, 60Mps, 99pc duty cycle) D IEEE 802.11bc WiFi (80MHz, 64-QAM, 60Mps, 99pc duty cycle) D IEEE 802.11bc WiFi (80MHz, 64-QAM, 60Mps, 99pc duty cycle) D IEEE 802.11bc WiFi (80MHz, 64-QAM, 60Mps, 99pc duty cycle) D IEEE 802.11bc WiFi (80MHz, 64-QAM, 60Mps, 80pc, 80	A Pulse Waveform (200Hz, 10%) A Pulse Waveform (200Hz, 20%) A Pulse Waveform (200Hz, 40%) B Pulse Waveform (200Hz, 40%) C Pulse Waveform (200Hz, 60%) C Pulse Waveform (200Hz, 60%) C Pulse Waveform (200Hz, 80%) C Pulse Waveform, 1 MHz C Generic C QPSK Waveform, 1 MHz C Generic C DMA2000 C DMA2000 C CDMA2000 C LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) C LTE-TDD C GENERO C DMA2000 C LTE-TDD C GENERO C C MLAN C MLAN C C	A Pulse Waveform (200Hz, 10%) Generic 10.00 A Pulse Waveform (200Hz, 20%) Generic 6.99 A Pulse Waveform (200Hz, 60%) Generic 3.98 A Pulse Waveform (200Hz, 60%) Generic 2.22 A Pulse Waveform (200Hz, 80%) Generic 0.97 A QPSK Waveform, 1 MHz Generic 5.10 A QPSK Waveform, 10 MHz Generic 5.22 A 64-QAM Waveform, 100 kHz Generic 6.27 A 64-QAM Waveform, 40 MHz Generic 6.27 B CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 B CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 B CDMA2000 (1xEV-DO, Rev. A) CDMA2000 5.22 B LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL SUbframe-2,3,4,7,8,9, Subframe Confe-4) A WLAN CCDF, 64-QAM, 40MHz Generic 8.54 A IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 B IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 B IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 B IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.32 B IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.40 B IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.41 B IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.41

	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)			
10451			LTE-FDD	7.48	± 9.6 %
	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	±9.6%
	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
	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	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10462	AAB	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	AAB	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	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL	LTE-TDD	7.82	±9.6%
		Subframe=2,3,4,7,8,9)			
10465	AAC	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	AAC	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	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL	LTE-TDD	7.82	±9.6 %
		Subframe=2,3,4,7,8,9)		=	
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.32	±9.6 %
.0.00	,	Subframe=2,3,4,7,8,9)	1.2.25		0.10 ,0
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.56	±9.6 %
10100   1	, , , ,	Subframe=2,3,4,7,8,9)	12.2.100	0.50	= 0.0 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	±9.6 %
10470   1	700	Subframe=2,3,4,7,8,9)		1.02	0,0 ,0
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
1047 1   1	, , , ,	Subframe=2,3,4,7,8,9)	212 100	0.02	20.0%
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10412	700	Subframe=2,3,4,7,8,9)		0.07	20.070
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL	LTE-TDD	7.82	±9.6%
10470	70 IL	Subframe=2,3,4,7,8,9)	212 100	'	= 0.0 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
] 10.77	, o	Subframe=2,3,4,7,8,9)		0.02	_ 0.0 /4
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.57	±9.6%
' ' ' '   '	, , ,	Subframe=2,3,4,7,8,9)	2.2.00	0.5.	0.0 ,0
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10-11	700	Subframe=2,3,4,7,8,9)		0.02	20.0 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.57	±9.6%
10476	771	Subframe=2,3,4,7,8,9)	LIL-IDD	0.07	3.0.0 /0
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
104/3		Subframe=2,3,4,7,8,9)	LIL-100	'.'	3.0.0 /0
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	± 9.6 %
10400	770	Subframe=2,3,4,7,8,9)	L. 100	0.10	0.0 /0
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
10401	7010	Subframe=2,3,4,7,8,9)	12.2.755	0.70	20.0 70
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL	LTE-TDD	7.71	± 9.6 %
10402	7770	Subframe=2,3,4,7,8,9)	L12-100	'.''	1 20.0 /8
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8,39	± 9.6 %
10465	AAC	Subframe=2,3,4,7,8,9)	LIL-100	0,55	3.0.0 /0
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.47	± 9.6 %
10404	770	Subframe=2,3,4,7,8,9)	212-100	0.77	1 2.0 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL	LTE-TDD	7.59	± 9.6 %
10465	7-7/-11	Subframe=2,3,4,7,8,9)	LILTIDO	1.00	1 5.0 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.38	± 9.6 %
10400	/VII	Subframe=2,3,4,7,8,9)	L.L. 12D	0.50	20.070
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.60	± 9.6 %
10467	CVAL	Subframe=2,3,4,7,8,9)	[ [ [ [ [ ] ] ]	0.00	1 2.0 /0
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL	LTE-TDD	7.70	± 9.6 %
10400	WYL		-1100	'.'0	
10490	A A I''	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
10489	AAF		LIE-1DD	0.31	± 9.0 70
1		Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10100				0.04	
10490	AAF	Subframe=2,3,4,7,8,9)	LIL-IDD	0.04	20.0 /0

10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10492	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.41	± 9.6 %
		Subframe=2,3,4,7,8,9)			
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	LTE-TDD	8.37	± 9.6 %
10496	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10497	AAB	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
10498	AAB	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.40	± 9.6 %
10499	AAB	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.68	± 9.6 %
		Subframe=2,3,4,7,8,9)	-		
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6%
10501	AAC	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	AAC	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	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL	LTE-TDD	7.72	± 9.6 %
10504	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
10505	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10506	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10507	AAF	Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.36	± 9.6 %
10508	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
10509	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL	LTE-TDD	7.99	± 9.6 %
10510	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL	LTE-TOD	8.49	
		Subframe=2,3,4,7,8,9)			± 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	LTE-TDD	8.45	± 9.6 %
10515	AAA	Subframe=2,3,4,7,8,9) 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	±96%
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±96%
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, 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 10533	AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN WLAN	8.29 8.38	± 9.6 % ± 9.6 %

1993   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.45 ± 9.5 %   1958   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.45 ± 9.5 %   1958   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.45 ± 9.5 %   1958   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.46 ± 9.5 %   1958   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.46 ± 9.5 %   1958   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.50 ± 9.5 %   1958   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.46 ± 9.5 %   1958   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.46 ± 9.5 %   1958   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.46 ± 9.5 %   1958   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.46 ± 9.5 %   1958   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.46 ± 9.5 %   1958   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.46 ± 9.5 %   1958   AMB   IEEE 802.11st Will (40MHz, MCS), 99pc duty cycle)   WILAN   8.45 ± 9.5 %   1958   AMB   IEEE 802.11st Will (90MHz, MCS), 99pc duty cycle)   WILAN   8.45 ± 9.5 %   1958   AMB   IEEE 802.11st Will (90MHz, MCS), 99pc duty cycle)   WILAN   8.45 ± 9.5 %   1958   AMB   IEEE 802.11st Will (90MHz, MCS), 99pc duty cycle)   WILAN   8.45 ± 9.5 %   1958   AMB   IEEE 802.11st Will (90MHz, MCS), 99pc duty cycle)   WILAN   8.45 ± 9.5 %   1958   AMB   IEEE 802.11st Will (90MHz, MCS), 99pc duty cycle)   WILAN   8.45 ± 9.5 %   1958   AMB   IEEE 802.11st Will (90MHz, MCS), 99pc duty cycle)   WILAN   8.45 ± 9.5 %   1958   AMB   IEEE 802.11st Will (90MHz, MCS), 99pc duty cycle)   WILAN   8.46 ± 9.5 %   1958   AMB   IEEE 802.11st Will (90MHz, MCS), 99pc duty cycle)   WILAN   8.46 ± 9.5 %   1958   AMB   IEEE 802.11st Will (90MHz, MCS), 99pc duty cycle)   WILAN   8.47 ± 9.5 %   1958   AMB   IEEE 802.11st Will (10MHz, MCS), 99pc duty cycle)   WILAN   8.47 ± 9.5 %   1958   AMB   IEEE 80	40504	1 A A D	TEET 000 44 140E1 (40141) 14000 00 14	1,		
1958   AAB	10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN	8.45	± 9.6 %
19539   AAB		<del></del>				
19938   AAB						
10541   AAB   IEEE 802.11ac WIFI (40MHz, MCSG, 99pc duty cycle)						<del>,</del>
10541   AAB   IEEE 802.11sc WIFI (40MHz, MCSS, 99pc duty cycle)						
19542   AAB   EEE 802.11ac WIF1 (40MHz, MCS8), 99pc duty cycle)						
10944   AAB   EEE 802.11ac WiF1 (40MHz, MCS0, 99pc duty cycle)   WLAN   8.65   ± 9.6 %   10546   AAB   EEE 802.11ac WiF1 (60MHz, MCS0, 99pc duty cycle)   WLAN   8.55   ± 9.6 %   10546   AAB   EEE 802.11ac WiF1 (60MHz, MCS1, 99pc duty cycle)   WLAN   8.55   ± 9.6 %   10547   AAB   EEE 802.11ac WiF1 (60MHz, MCS3, 99pc duty cycle)   WLAN   8.55   ± 9.6 %   10548   AAB   EEE 802.11ac WiF1 (60MHz, MCS3, 99pc duty cycle)   WLAN   8.37   ± 9.6 %   10549   AAB   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.37   ± 9.6 %   10550   AAB   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.37   ± 9.6 %   10551   AAB   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10553   AAB   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.42   ± 9.6 %   10553   AAB   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.42   ± 9.6 %   10553   AAB   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.42   ± 9.6 %   10553   AAC   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.47   ± 9.6 %   10555   AAC   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.47   ± 9.6 %   10555   AAC   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.47   ± 9.6 %   10556   AAC   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10556   AAC   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10560   AAC   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10560   AAC   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10560   AAC   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10560   AAC   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10560   AAC   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10560   AAC   EEE 802.11ac WiF1 (60MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10560   AAA   EEE 802.11g WiF1 2.4 GHz (DSSS-OFDM, 9Mps, 99pc duty   WLAN   8.50   ± 9						
10545						
19546   AAB   IEEE 802.11ac WIF (80MHz, MCS2, 99pc duty cycle)   WLAN   8.35   ± 9.6 %   19547   AAB   IEEE 802.11ac WIF (80MHz, MCS2, 99pc duty cycle)   WLAN   8.49   ± 9.6 %   19547   AAB   IEEE 802.11ac WIF (80MHz, MCS3, 99pc duty cycle)   WLAN   8.49   ± 9.6 %   19550   AAB   IEEE 802.11ac WIF (80MHz, MCS4, 99pc duty cycle)   WLAN   8.37   ± 9.6 %   19550   AAB   IEEE 802.11ac WIF (80MHz, MCS4, 99pc duty cycle)   WLAN   8.38   ± 9.6 %   19550   AAB   IEEE 802.11ac WIF (80MHz, MCS5, 99pc duty cycle)   WLAN   8.40   ± 9.6 %   19553   AAB   IEEE 802.11ac WIF (80MHz, MCS5, 99pc duty cycle)   WLAN   8.42   ± 9.6 %   19553   AAB   IEEE 802.11ac WIF (80MHz, MCS5, 99pc duty cycle)   WLAN   8.45   ± 9.6 %   19553   AAB   IEEE 802.11ac WIF (80MHz, MCS5, 99pc duty cycle)   WLAN   8.45   ± 9.6 %   19553   AAB   IEEE 802.11ac WIF (190MHz, MCS5, 99pc duty cycle)   WLAN   8.45   ± 9.6 %   19553   AAB   IEEE 802.11ac WIF (190MHz, MCS5, 99pc duty cycle)   WLAN   8.47   ± 9.6 %   19553   AAC   IEEE 802.11ac WIF (190MHz, MCS5, 99pc duty cycle)   WLAN   8.47   ± 9.6 %   19553   AAC   IEEE 802.11ac WIF (190MHz, MCS5, 99pc duty cycle)   WLAN   8.47   ± 9.6 %   19553   AAC   IEEE 802.11ac WIF (190MHz, MCS5, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   19553   AAC   IEEE 802.11ac WIF (190MHz, MCS5, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   19553   AAC   IEEE 802.11ac WIF (190MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   19553   AAC   IEEE 802.11ac WIF (190MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   19553   AAC   IEEE 802.11ac WIF (190MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   19553   AAC   IEEE 802.11ac WIF (190MHz, MCS6, 99pc duty cycle)   WLAN   8.73   ± 9.6 %   19553   AAC   IEEE 802.11ac WIF (190MHz, MCS6, 99pc duty cycle)   WLAN   8.76   ± 9.6 %   19553   AAC   IEEE 802.11ac WIF (190MHz, MCS6, 99pc duty cycle)   WLAN   8.77   ± 9.6 %   19553   AAC   IEEE 802.11ac WIF (190MHz, MCS6, 99pc duty cycle)   WLAN   8.79   ± 9.6 %   19553   AAC   IEEE 802.11ac WIF (190MHz, MCS6, 99pc duty cycle)   WLAN		-1				
10547   AAB   IEEE 802.11ac WIFI (80MHz, MCS2, 99c duty cycle)   WLAN   8.49   ±9.8 %   10548   AAB   IEEE 802.11ac WIFI (80MHz, MCS3, 99c duty cycle)   WLAN   8.37   ±9.8 %   10550   AAB   IEEE 802.11ac WIFI (80MHz, MCS4, 99c duty cycle)   WLAN   8.37   ±9.8 %   10551   AAB   IEEE 802.11ac WIFI (80MHz, MCS6, 99c duty cycle)   WLAN   8.38   ±9.8 %   10551   AAB   IEEE 802.11ac WIFI (80MHz, MCS6, 99c duty cycle)   WLAN   8.40   ±9.8 %   10552   AAB   IEEE 802.11ac WIFI (80MHz, MCS6, 99c duty cycle)   WLAN   8.42   ±9.8 %   10553   AAB   IEEE 802.11ac WIFI (80MHz, MCS8, 99c duty cycle)   WLAN   8.42   ±9.8 %   10554   AAC   IEEE 802.11ac WIFI (80MHz, MCS9, 99c duty cycle)   WLAN   8.48   ±9.8 %   10555   AAC   IEEE 802.11ac WIFI (106MHz, MCS9, 99c duty cycle)   WLAN   8.48   ±9.8 %   10555   AAC   IEEE 802.11ac WIFI (106MHz, MCS9, 99c duty cycle)   WLAN   8.47   ±9.6 %   10555   AAC   IEEE 802.11ac WIFI (106MHz, MCS2, 99c duty cycle)   WLAN   8.50   ±9.6 %   10556   AAC   IEEE 802.11ac WIFI (106MHz, MCS2, 99c duty cycle)   WLAN   8.50   ±9.6 %   10556   AAC   IEEE 802.11ac WIFI (106MHz, MCS4, 99c duty cycle)   WLAN   8.51   ±9.6 %   10556   AAC   IEEE 802.11ac WIFI (106MHz, MCS4, 99c duty cycle)   WLAN   8.51   ±9.6 %   10556   AAC   IEEE 802.11ac WIFI (106MHz, MCS4, 99c duty cycle)   WLAN   8.51   ±9.6 %   10556   AAC   IEEE 802.11ac WIFI (106MHz, MCS7, 99c duty cycle)   WLAN   8.51   ±9.6 %   10556   AAC   IEEE 802.11ac WIFI (106MHz, MCS7, 99c duty cycle)   WLAN   8.56   ±9.6 %   10566   AAA   IEEE 802.11ac WIFI (106MHz, MCS7, 99c duty cycle)   WLAN   8.56   ±9.6 %   10566   AAA   IEEE 802.11ac WIFI (106MHz, MCS7, 99c duty cycle)   WLAN   8.56   ±9.6 %   10566   AAA   IEEE 802.11ac WIFI (106MHz, MCS9, 99c duty cycle)   WLAN   8.45   ±9.6 %   10566   AAA   IEEE 802.11ac WIFI (106MHz, MCS9, 99c duty cycle)   WLAN   8.45   ±9.6 %   10566   AAA   IEEE 802.11ac WIFI (106MHz, MCS9, 99c duty cycle)   WLAN   8.45   ±9.6 %   10566   AAA   IEEE 802.11ac WIFI (24 GHz (DSSS-OFDM, 24 Mbps, 99c duty cycle)   WLAN   8.50						
10549						
10590					~····•	
10550	<b>!</b>					
10551   AAB   IEEE 802.11ac WiFi (80MHz, MCSF, 99pc duty cycle)   WILAN   8.40   \$2.9.6 %   10553   AAB   IEEE 802.11ac WiFi (80MHz, MCSB, 99pc duty cycle)   WILAN   8.41   \$2.9.6 %   10553   AAB   IEEE 802.11ac WiFi (80MHz, MCSB, 99pc duty cycle)   WILAN   8.45   \$2.6 %   10554   AAC   IEEE 802.11ac WiFi (80MHz, MCSB, 99pc duty cycle)   WILAN   8.46   \$2.6 %   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WILAN   8.47   \$2.6 %   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WILAN   8.50   \$2.9 6 %   10558   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WILAN   8.51   \$2.9 6 %   10558   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WILAN   8.51   \$2.9 6 %   10559   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WILAN   8.51   \$2.9 6 %   10560   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WILAN   8.56   \$2.6 6 %   10563   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WILAN   8.56   \$2.6 6 %   10564   AAA   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WILAN   8.56   \$2.6 6 %   10565   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WILAN   8.56   \$2.6 6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WILAN   8.25   \$2.6 6 %   10566   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)   WILAN   8.25   \$2.6 6 %   10566   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)   WILAN   8.45   \$2.6 6 %   10566   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)   WILAN   8.10   \$2.6 6 %   10566   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)   WILAN   8.00   \$2.9 6 %   10570   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)   WILAN   8.00   \$2.9 6 %   10570   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)   WILAN   8.00   \$2.9 6 %   10570   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)   WILAN   8.60   \$2.9 6 %   10570   AAA						
10552					<del>- 1</del>	
10553         AAB         IEEE 802.11ac WiFI (60MHz, MCS9, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10554         AAC         IEEE 802.11ac WiFI (160MHz, MCS1, 99pc duty cycle)         WLAN         8.47         ± 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, MCS3, 99pc duty cycle)         WLAN         8.52         ± 9.6 %           10557         AAC         IEEE 802.11ac WiFI (160MHz, MCS3, 99pc duty cycle)         WLAN         8.61         ± 9.6 %           10560         AAC         IEEE 802.11ac WiFI (160MHz, MCS3, 99pc duty cycle)         WLAN         8.61         ± 9.6 %           10561         AAC         IEEE 802.11ac WiFI (160MHz, MCS9, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10562         AAC         IEEE 802.11ac WiFI (160MHz, MCS9, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10563         AAC         IEEE 802.11ac WiFI (160MHz, MCS9, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10564         AAC         IEEE 802.11ac WiFI (160MHz, MCS9, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10565         A			IEEE 802.11ac WiFi (80MHz, MCS8, 99nc duty cycle)		_	
10554						<del> </del>
10555						
10556						
10557         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)         WLAN         8.52         ± 9.6 %           10560         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)         WLAN         8.61         ± 9.6 %           10560         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)         WLAN         8.73         ± 9.6 %           10562         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10563         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10564         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10565         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10566         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.13         ± 9.6 %           10567         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)         WLAN         8.37         ± 9.6 %           10568         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)         WLAN         8.30         ± 9			IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)			
10558						
10560	10558					***************************************
10561						
10562						
10564	10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
Cycle	10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	4
10565	10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	± 9.6 %
Cycle						
10566	10565	AAA	1	WLAN	8.45	± 9.6 %
Cycle   Cycl		<b></b>				
10567	10566	AAA	1	WLAN	8.13	± 9.6 %
10568	40507			344 651	1 000	
10568	10007	AAA		WLAN	8.00	± 9.6 %
Cycle   Cycl	10568	ΛΛΛ		JA/L A NI	0.27	106%
10569	10300	~~~		WLAN	0.37	19.0 %
Cycle	10569	AAA		WLAN	810	+96%
10570		,,,,,			0.10	0.0 /8
10571	10570	AAA		WLAN	8.30	±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 cycle)         WLAN         8.59         ± 9.6 %           10576         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)         WLAN         8.60         ± 9.6 %           10577         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10578         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)         WLAN         8.49         ± 9.6 %           10579         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)         WLAN         8.36         ± 9.6 %           10580         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)         WLAN         8.35         ± 9.6 %           10581         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) <t< td=""><td></td><td></td><td></td><td></td><td></td><td>  /-</td></t<>						/-
10573         AAA         IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)         WLAN         1.98         ± 9.6 %           10574         AAA         IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)         WLAN         1.98         ± 9.6 %           10575         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)         WLAN         8.59         ± 9.6 %           10576         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)         WLAN         8.60         ± 9.6 %           10577         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10578         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)         WLAN         8.49         ± 9.6 %           10579         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)         WLAN         8.36         ± 9.6 %           10580         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10581         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)         WLAN         8.35         ± 9.6 %           10582         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10574	10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6%
10575	10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10576	10574	AAA		WLAN	1.98	± 9.6 %
10576       AAA       IÉEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)       WLAN       8.60       ± 9.6 %         10577       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10578       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)       WLAN       8.49       ± 9.6 %         10579       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)       WLAN       8.36       ± 9.6 %         10580       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10581       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)       WLAN       8.35       ± 9.6 %         10582       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)       WLAN       8.67       ± 9.6 %         10583       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)       WLAN       8.59       ± 9.6 %         10585       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)       WLAN       8.60       ± 9.6 %	10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	± 9.6 %
10577						
10577       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10578       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)       WLAN       8.49       ± 9.6 %         10579       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)       WLAN       8.36       ± 9.6 %         10580       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10581       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)       WLAN       8.35       ± 9.6 %         10582       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)       WLAN       8.67       ± 9.6 %         10583       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, 12 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 %	10576	AAA		WLAN	8.60	± 9.6 %
Cycle	10	<u> </u>				
10578       AAA       IÉEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)       WLAN       8.49       ± 9.6 %         10579       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)       WLAN       8.36       ± 9.6 %         10580       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10581       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)       WLAN       8.35       ± 9.6 %         10582       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)       WLAN       8.67       ± 9.6 %         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, 12 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 %	10577	AAA		WLAN	8.70	± 9.6 %
Cycle						
10579       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)       WLAN       8.36       ± 9.6 %         10580       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10581       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)       WLAN       8.35       ± 9.6 %         10582       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)       WLAN       8.67       ± 9.6 %         10583       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 %	10578	AAA		WLAN	8.49	± 9.6 %
Cycle	10570	A A A	Cycle)	AA/L A N I	0.00	1069/
10580       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10581       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)       WLAN       8.35       ± 9.6 %         10582       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)       WLAN       8.67       ± 9.6 %         10583       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 %	10579	AAA		WLAN	8.36	±9.6%
Cycle	10580			M/LAN	9.76	+06%
10581       AAA       IÉEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)       WLAN       8.35       ± 9.6 %         10582       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)       WLAN       8.67       ± 9.6 %         10583       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 %	10300	\		AA LAIA	0.70	1 2.0 70
Cycle	10581	AAA		WIAN	8.35	±96%
10582       AAA       IÉEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)       WLAN       8.67       ± 9.6 %         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 %	10001	' ' ' '	, , , , , , , , , , , , , , , , , , , ,	******	3.00	20.0 /6
cycle)         LEE         S02.11a/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 %	10582	AAA		WLAN	8.67	±9.6 %
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 %						/~
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 %	10583	AAB		WLAN	8.59	± 9.6 %
10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 %	10584				<del> </del>	
10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %	10585		IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)			
	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 %
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)	WLAN	8,74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 30pc duty cycle)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 30pc 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, MCS0, 90pc duty cycle)	WLAN	8.88	±9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.82	
10601					± 9.6 %
	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	8.97	±9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±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, 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	8.58	±9.6 %
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, 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 WiF1 (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 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, 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	±96%
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	9.11	± 9.6 %
10646	AAG	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	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 %

1995   Apr.   Life-Tip OrD-DNA, 20 MHz, E-TM 3.1, Culpting 44%)   Life-Tip O 7.2 i. 95.6 %   1905	40054	1 A A D	LITE TOD (OFDMA AF MULE F TM 0.4 Offering A40/)	LITE TOD	1 6 06	1069/
10659   AAA   Pulse Waveform (2001±, 20%)   Test   10,00   9,96 %   10660   AAA   Pulse Waveform (2001±, 20%)   Test   3,98   19,6 %   10660   AAA   Pulse Waveform (2001±, 60%)   Test   3,98   19,6 %   10661   AAA   Pulse Waveform (2001±, 60%)   Test   2,22   19,6 %   10662   AAA   Pulse Waveform (2001±, 60%)   Test   2,22   19,6 %   10662   AAA   Pulse Waveform (2001±, 60%)   Test   2,22   19,6 %   10670   AAA   Election (2001±, 60%)   Test   2,22   19,6 %   10670   AAA   Election (2001±, 60%)   Test   2,22   19,6 %   10671   AAA   Election (2001±, 60%)   Pulse Waveform (2001±, 60%)   Pulse Wavef	10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6%
10659						
10660   AAA   Pulse Waveform (2001b; 60%)   Test   2.22   1.9.6 %		<b></b>				
10661   AAA   Pulse Waveform (2001+z, 60%)   Test   2.22   ±9.6 %   10670   AAA   Bulecloth Low Energy   Blustooth   2.19   ±9.6 %   10670   AAA   Bulecloth Low Energy   Blustooth   2.19   ±9.6 %   10672   AAA   IEEE 602.11ax (20MHz, MCS0, 90pc duty cycle)   WLAN   9.09   ±9.6 %   10672   AAA   IEEE 602.11ax (20MHz, MCS0, 90pc duty cycle)   WLAN   8.67   ±9.6 %   10673   AAA   IEEE 602.11ax (20MHz, MCS0, 90pc duty cycle)   WLAN   8.67   ±9.6 %   10674   AAA   IEEE 602.11ax (20MHz, MCS3, 90pc duty cycle)   WLAN   8.74   ±9.6 %   10675   AAA   IEEE 602.11ax (20MHz, MCS3, 90pc duty cycle)   WLAN   8.74   ±9.6 %   10676   AAA   IEEE 602.11ax (20MHz, MCS3, 90pc duty cycle)   WLAN   8.74   ±9.6 %   10676   AAA   IEEE 602.11ax (20MHz, MCS3, 90pc duty cycle)   WLAN   8.77   ±9.6 %   10676   AAA   IEEE 602.11ax (20MHz, MCS3, 90pc duty cycle)   WLAN   8.77   ±9.6 %   10677   AAA   IEEE 602.11ax (20MHz, MCS3, 90pc duty cycle)   WLAN   8.77   ±9.6 %   10679   AAA   IEEE 602.11ax (20MHz, MCS3, 90pc duty cycle)   WLAN   8.78   ±9.6 %   10689   AAA   IEEE 602.11ax (20MHz, MCS3, 90pc duty cycle)   WLAN   8.78   ±9.6 %   10680   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.80   ±9.6 %   10681   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.80   ±9.6 %   10682   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.80   ±9.6 %   10683   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.80   ±9.6 %   10683   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ±9.6 %   10686   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ±9.6 %   10686   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ±9.6 %   10686   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ±9.6 %   10686   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ±9.6 %   10686   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ±9.6 %   10686   AAA   IEEE 602.11ax (20MHz, MCS9, 90pc duty cycle)   WLAN   8.20   ±9.6 %						
10602		<del></del>				
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10876					<del> </del>	
10677	10676					
10679		AAA			8.73	
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10681	10679					
10682	10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6%
10683	10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.62	± 9.6 %
10683	·	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)		8.83	
10684   AAA   IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	10683		IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)		8.42	± 9.6 %
10886   AAA   IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)   WLAN   8.45   ± 9.6 %   10688   AAA   IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)   WLAN   8.45   ± 9.6 %   10688   AAA   IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)   WLAN   8.29   ± 9.6 %   10689   AAA   IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)   WLAN   8.29   ± 9.6 %   10690   AAA   IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)   WLAN   8.29   ± 9.6 %   10691   AAA   IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)   WLAN   8.29   ± 9.6 %   10692   AAA   IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)   WLAN   8.29   ± 9.6 %   10693   AAA   IEEE 802.11ax (20MHz, MCS10, 89pc duty cycle)   WLAN   8.29   ± 9.6 %   10693   AAA   IEEE 802.11ax (20MHz, MCS10, 89pc duty cycle)   WLAN   8.25   ± 9.6 %   10694   AAA   IEEE 802.11ax (20MHz, MCS10, 89pc duty cycle)   WLAN   8.57   ± 9.6 %   10695   AAA   IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)   WLAN   8.57   ± 9.6 %   10696   AAA   IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)   WLAN   8.76   ± 9.6 %   10696   AAA   IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10699   AAA   IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)   WLAN   8.61   ± 9.6 %   10699   AAA   IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)   WLAN   8.61   ± 9.6 %   10699   AAA   IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)   WLAN   8.61   ± 9.6 %   10700   AAA   IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10700   AAA   IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10700   AAA   IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10700   AAA   IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10700   AAA   IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10700   AAA   IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10700   AAA   IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10700   AAA   IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)   WLAN   8.66   ± 9.6 %		AAA	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)		+	
10687   AAA   IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)						
10688		AAA				
10889	***************************************					
10690	.,				<del> </del>	
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10700   AAA						
10701   AAA   IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)					· · · · · · · · · · · · · · · · · · ·	
10702						
10703						
10704   AAA   IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)					1	
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         ± 9.6 %           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 %           10715         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty					<del></del>	
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         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.33         ± 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, MCS9, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty						
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         ± 9.6 %           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         8.33         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty				MI AN		
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         ± 9.6 %           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, MCS10, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10718         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty						
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         ± 9.6 %           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 %           10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty						
10710       AAA       IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         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 (80MHz, MCS11, 99pc duty cycle)       WLAN       8.24       ± 9.6 %         10720       AAA       IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)       WLAN       8.81       ± 9.6 %         10721       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10723						
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, MCS9, 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, MCS2, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10721       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.75       ± 9.6 %         10723					+	
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, MCS3, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10723       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724						<del></del>
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, MCS3, 90pc duty cycle)         WLAN         8.76         ± 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						
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         8.76         ± 9.6 %           10722         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10724         AAA         IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty					- <del> </del>	
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         8.70         ± 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         8.74         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty						
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       8.70       ± 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 %						
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 %						
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 %					<del></del>	
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 %						
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 %						
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 %						
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 %		<del>-1</del>				
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 %						± 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 %					8.70	
10726 AAA IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle) WLAN 8.72 ± 9.6 %		AAA			8.74	
	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 %
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 %
			WLAN		
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)		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 %
10760	AAA		WLAN	8.58	± 9.6 %
		IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.49	
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)			± 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 %
10767	AAB	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1	7.99	± 9.6 %
			TDD		
10768	AAB	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1	8.01	± 9.6 %
			TDD		
10769	AAB	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1	8.01	± 9.6 %
			TDD		
10770	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	±9.6 %
			TDD		
10771	AAB	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	±9.6%
			TDD		
10772	AAB	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8.23	±9.6%
		To the first of the state of th	TDD		
10773	AAB	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.03	± 9.6 %
10,70	'" "	To the term of the	TDD	5.55	
10774	AAB	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.6 %
10774	\ \\	OCTAT (OF FOR DIVI) TIND, OU WIELE, OR ON, TO KILL)	TDD	0.02	2 0.0 /0
10776	AAB	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1	8.30	± 9.6 %
10//6	MAB	ן סט זאג (טר-טרטואו, סטא גם, זט אוחב, ערטג, זס גמב)		0.30	J. 5.U 70
40770	+ A A E	FO NID (OD OFDM FOW DD OO MULE ODOY 45 LULE)	TDD 50 NB EB1	0 24	1060
10778	AAB	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1	8.34	± 9.6 %
40700	1	FO ND (OD OFDM FOW DD 20 MH - ODOY 45 MH)	TDD FOND FD4		1000
10780	AAB	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8.38	± 9.6 %
40751	1	FO NE (OF OFFILE FOR PR. AS LALL OFFILE A	TDD FOA		1000
10781	AAB	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
1					

10782	AAB	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1	8.43	± 9.6 %
			TDD		
10783	AAB	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAB	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6%
10786	AAB	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1	8.35	± 9.6 %
10787	AAB	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1	8.44	± 9.6 %
10788	AAB	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAB	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.37	± 9.6 %
10790	AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAB	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAB	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1	7.92	± 9.6 %
10793	AAB	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1	7.95	± 9.6 %
10794	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAB	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAB	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1	7.82	± 9.6 %
10797	AAB	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAB	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1	7.89	± 9.6 %
10799	AAB	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAB	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAB	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAB	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAB	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1	8.37	± 9.6 %
10809	AAB	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAB	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1	8.34	± 9.6 %
10812	AAB	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAB	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1	8.34	± 9.6 %
10819	AAB	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1	8.33	± 9.6 %
10820	AAB	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1	8.30	± 9.6 %
10821	AAB	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1	8.41	± 9.6 %
10822	AAB	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1	8.41	± 9.6 %
10823	AAB	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1	8.36	± 9.6 %

10824	AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1	8.39	± 9.6 %
10825	AAB	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAB	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAB	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1	8.40	± 9.6 %
10830	AAB	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1	7.63	± 9.6 %
10831	AAB	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAB	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAB	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAB	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAB	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAB	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAB	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAB	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAB	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6 %
10843	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAB	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAB	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAB	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAB	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAB	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAB	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAB	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6 %
10861	AAB	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAB	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAB	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAB	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %

10870	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2	5.75	± 9.6 %
10872	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2	6.52	± 9.6 %
10873	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2	6.61	± 9.6 %
10874	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8,41	± 9.6 %
10879	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	8.13	± 9.6 %
10892	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	8.41	± 9.6 %

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