



SAR EVALUATION REPORT

For

QUANZHOU KAILI ELECTRONICS CO., LTD.

Kaili Electronic Industrial Park(Photoelectric Information Base), Xiamei Town, Nanan, Quanzhou City, Fujian Province, China

FCC ID: 2AQX5KD-C1

Report Type: Original Report		Product Type: two way radio	
Report Number:	RXM200817052-	-20A	
Report Date:	2020-10-20		
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Attestation of Test Results					
	EUT Description	two way radio			
EUT Information	Tested Model	KD-C1			
	FCC ID	2AQX5KD-C1			
	Serial Number	RXM200817052-SA-S1			
	Test Date	2020-08-22			
MODE	E	Max. SAR Level(s	s) Reported(W/kg)	Limit (W/kg)	
РТТ		1g Head SAR (Face Up)	0.69	1.6	
		1g Body SAR (Body Back)	1.21	1.0	
	FCC 47 CFR part 2.1093 Radiofrequency radiation exposure evaluation: portable devices				
Applicable Standards	RF Exposure Procedures: TCB Workshop April 2019IEEE1528:2013 IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques IEC 62209-1:2016 Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz) KDB procedures KDB 447498 D01 General RF Exposure Guidance v06 KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04 KDB 865664 D02 RF Exposure Reporting v01r02 KDB 643646 D01 SAR Test for PTT Radios v01r03				
Note: This wireless device has been shown to be capable of compliance for localized specific absorption rate (SAR) for General Population/Uncontrolled Exposure limits specified in FCC 47 CFR part 2.1093 and has been tested in					
accordance with the measurement procedures specified in IEEE 1528-2013 and RF exposure KDB procedures. The results and statements contained in this report pertain only to the device(s) evaluated.					

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision	
1.0	RXM200817052-20A	Original Report	2020-10-20	

EUT DESCRIPTION

This report has been prepared on behalf of **QUANZHOU KAILI ELECTRONICS CO., LTD.** and their product **two way radio**, Model: **KD-C1**, FCC ID: **2AQX5KD-C1** or the EUT (Equipment under Test) as referred to in the rest of this report.

*All measurement and test data in this report was gathered from production sample serial number: RXM200817052-SA-S1 (Assigned by BACL, Dongguan). The EUT supplied by the applicant was received on 2020-08-17.

Technical Specification

Device Type:	Portable
Exposure Category:	General Population/Uncontrolled Exposure
Antenna Type(s):	Integral Antenna
Body-Worn Accessories:	Belt Clip
Face-Head Accessories:	None
Modulation Type:	PTT_FM
	462MHz (462.5500-462.7250MHz),
Frequency Band:	467MHz (467.5625-467.7125 MHz)
ERP Power:	462MHz: 31.42 dBm
ERF rower:	467MHz: 24.08 dBm
Power Source:	DC 3.7V from Battery
Normal Operation:	Face Up and Body-worn

REFERENCE, STANDARDS, AND GUIDELINES

FCC:

The Report and Order requires routine SAR evaluation prior to equipment authorization of portable transmitter devices, including portable telephones. For consumer products, the applicable limit is 1.6 mW/g as recommended by the ANSI/IEEE standard C95.1-1992 [6] for an uncontrolled environment (Paragraph 65). According to the Supplement C of OET Bulletin 65 "Evaluating Compliance with FCC Guide-lines for Human Exposure to Radio frequency Electromagnetic Fields", released on Jun 29, 2001 by the FCC, the device should be evaluated at maximum output power (radiated from the antenna) under "worst-case" conditions for normal or intended use, incorporating normal antenna operating positions, device peak performance frequencies and positions for maximum RF energy coupling.

This report describes the methodology and results of experiments performed on wireless data terminal. The objective was to determine if there is RF radiation and if radiation is found, what is the extent of radiation with respect to safety limits. SAR (Specific Absorption Rate) is the measure of RF exposure determined by the amount of RF energy absorbed by human body (or its parts) – to determine how the RF energy couples to the body or head which is a primary health concern for body worn devices. The limit below which the exposure to RF is considered safe by regulatory bodies in North America is 1.6 mW/g average over 1 gram of tissue mass.

CE:

The order requires routine SAR evaluation prior to equipment authorization of portable transmitter devices, including portable telephones. For consumer products, the applicable limit is 2 mW/g as recommended by EN62209-1 for an uncontrolled environment. According to the Standard, the device should be evaluated at maximum output power (radiated from the antenna) under "worst-case" conditions for normal or intended use, incorporating normal antenna operating positions, device peak performance frequencies and positions for maximum RF energy coupling.

This report describes the methodology and results of experiments performed on wireless data terminal. The objective was to determine if there is RF radiation and if radiation is found, what is the extent of radiation with respect to safety limits. SAR (Specific Absorption Rate) is the measure of RF exposure determined by the amount of RF energy absorbed by human body (or its parts) – to determine how the RF energy couples to the body or head which is a primary health concern for body worn devices. The limit below which the exposure to RF is considered safe by regulatory bodies in Europe is 2 mW/g average over 10 gram of tissue mass.

The test configurations were laid out on a specially designed test fixture to ensure the reproducibility of measurements. Each configuration was scanned for SAR. Analysis of each scan was carried out to characterize the above effects in the device.

SAR Limits

FCC&IC Limit

	SAR (W/kg)		
EXPOSURE LIMITS	(General Population / Uncontrolled Exposure Environment)	(Occupational / Controlled Exposure Environment)	
Spatial Average (averaged over the whole body)	0.08	0.4	
Spatial Peak (averaged over any 1 g of tissue)	1.60	8.0	
Spatial Peak (hands/wrists/feet/ankles averaged over 10 g)	4.0	20.0	

CE Limit

	SAR (W/kg)		
EXPOSURE LIMITS	(General Population / Uncontrolled Exposure	(Occupational / Controlled Exposure	
	Environment)	Environment)	
Spatial Average (averaged over the whole body)	0.08	0.4	
Spatial Peak (averaged over any 10 g of tissue)	2.0	10	
Spatial Peak (hands/wrists/feet/ankles averaged over 10 g)	4.0	20.0	

Population/Uncontrolled Environments are defined as locations where there is the exposure of individual who have no knowledge or control of their exposure.

Occupational/Controlled Environments are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure (i.e. as a result of employment or occupation).

General Population/ Uncontrolled environments Spatial Peak limit 1.6 W/kg (FCC&IC) & 2.0 W/kg (CE) applied to the EUT.

FACILITIES

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218,the FCC Designation No. : CN1220.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier : CN0022.

The test sites and measurement facilities used to collect data are located at:

SAR Lab 1	SAR Lab 2
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Declarations

- BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol "△". Customer model name, addresses, names, trademarks etc. are not considered data.
- 2. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
- 3. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
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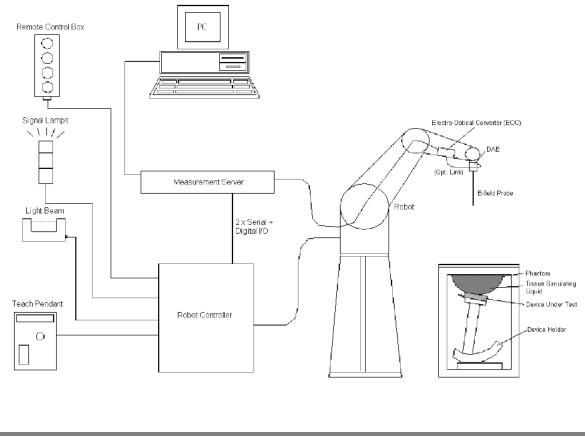
DESCRIPTION OF TEST SYSTEM

These measurements were performed with the automated near-field scanning system DASY5 from Schmid & Partner Engineering AG (SPEAG) which is the Fifth generation of the system shown in the figure hereinafter:



DASY5 System Description

The DASY5 system for performing compliance tests consists of the following items:



Bay Area Compliance Laboratories Corp. (Dongguan)

- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal application, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win7 professional operating system and the DASY52 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

DASY5 Measurement Server

The DASY5 measurement server is based on a PC/104 CPU board with a 400MHz Intel ULV Celeron, 128MB chip-disk and 128MB RAM. The necessary circuits for communication with the DAE4 (or DAE3) electronics box, as well as the 16 bit AD-converter system for optical detection and digital I/O interface are contained on the DASY5 I/O board, which is directly connected to the PC/104 bus of the CPU board.

The measurement server performs all real-time data evaluation of field measurements and surface detection, controls robot movements and handles safety operation. The PC operating system cannot interfere with these time critical



processes. All connections are supervised by a watchdog, and disconnection of any of the cables to the measurement server will automatically disarm the robot and disable all program-controlled robot movements. Furthermore, the measurement server is equipped with an expansion port which is reserved for future applications. Please note that this expansion port does not have a standardized point out, and therefore only devices provided by SPEAG can be connected. Devices from any other supplier could seriously damage the measurement server.

Data Acquisition Electronics

The data acquisition electronics (DAE4) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.

The mechanical probe mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection.

The input impedance of both the DAE4 as well as of the DAE3 box is 200MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

EX3DV4 E-Field Probes

Frequency	10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	\pm 0.3 dB in TSL (rotation around probe axis) \pm 0.5 dB in TSL (rotation normal to probe axis)
Dynamic Range	10 μ W/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better 30%.
Compatibility	DASY3, DASY4, DASY52 SAR and higher, EASY4/MRI

Calibration Frequency Points for ES3DV2 E-Field Probes SN: 3019 Calibrated: 2019/9/25

Calibration	Frequency Range(MHz)		Conversion Factor		
Frequency Point(MHz)	From	То	Х	Y	Z
150 Head	100	200	7.59	7.59	7.59
450 Head	350	550	7.02	7.02	7.02

Robots

The DASY5 system uses the high precision industrial robot. The robot offers the same features important for our application:

- High precision (repeatability 0.02mm)
- High reliability (industrial design)
- Low maintenance costs (virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements (brushless synchrony motors; no stepper motors)
- Low ELF interference (motor control fields shielded via the closed metallic construction shields)

The above mentioned robots are controlled by the Staubli CS8c robot controllers. All information regarding the use and maintenance of the robot arm and the robot controller is contained on the CDs delivered along with the robot. Paper manuals are available upon request direct from Staubli.

Area Scans

Area scans are defined prior to the measurement process being executed with a user defined variable spacing between each measurement point (integral) allowing low uncertainty measurements to be conducted. Scans defined for FCC applications utilize a 15mm 2 step integral, with 1.5mm interpolation used to locate the peak SAR area used for zoom scan assessments.

Where the system identifies multiple SAR peaks (which are within 25% of peak value) the system will provide the user with the option of assessing each peak location individually for zoom scan averaging.

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Zoom Scan (Cube Scan Averaging)

The averaging zoom scan volume utilized in the DASY5 software is in the shape of a cube and the side dimension of a 1 g or 10 g mass is dependent on the density of the liquid representing the simulated tissue. A density of 1000 kg/m^3 is used to represent the head and body tissue density and not the phantom liquid density, in order to be consistent with the definition of the liquid dielectric properties, i.e. the side length of the 1g cube is 10mm,with the side length of the 10g cube is 21.5mm.

When the cube intersects with the surface of the phantom, it is oriented so that 3 vertices touch the surface of the shell or the center of a face is tangent to the surface. The face of the cube closest to the surface is modified in order to conform to the tangent surface.

The zoom scan integer steps can be user defined so as to reduce uncertainty, but normal practice for typical test applications (including FCC) utilize a physical step of 7 x7 x 7 (5mmx5mmx5mm) providing a volume of 30 mm in the X & Y & Z axis.

Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEC 62209-1:2016

Recommended Tissue Dielectric Parameters for Head liquid

Table A.3 - Dielectric properties of the head tissue-equivalent liquid

Frequency	Relative permittivity	Conductivity (o)
MHz	ε _r	S/m
300	45,3	0,87
450	43,5	0,87
750	41,9	0,89
835	41,5	0,90
900	41,5	0,97
1 450	40,5	1,20
1 500	40,4	1,23
1 640	40,2	1,31
1 750	40,1	1,37
1 800	40,0	1,40
1 900	40,0	1,40
2 000	40,0	1,40
2 100	39,8	1,49
2 300	39,5	1,67
2 450	39,2	1,80
2 600	39,0	1,96
3 000	38,5	2,40
3 500	37,9	2,91
4 000	37,4	3,43
4 500	36,8	3,94
5 000	36,2	4,45
5 200	36,0	4,66
5 400	35,8	4,86
5 600	35,5	5,07
5 800	35,3	5,27
6 000	35,1	5,48

NOTE For convenience, permittivity and conductivity values at those frequencies which are not part of the original data provided by Drossos et al. [33] or the extension to 5 800 MHz are provided (i.e. the values shown *in italics*). These values were linearly interpolated between the values in this table that are immediately above and below these values, except the values at 6 000 MHz that were linearly extrapolated from the values at 3 000 MHz and 5 800 MHz.

Note:

- 1, Effective February 19, 2019, FCC has permitted the use of single head-tissue simulating liquid specified in IEC 62209-1 for all SAR tests.
- 2, Mix and Match of traditional FCC SAR TSLs and IEC 62209-1 TSL in a single application is not permitted TSL can be changed in a Permissive Change.
- 3, If SAR increases and original SAR > 1.2 W/kg, additional SAR measurements will be required IEC 62209-1 TSL is an alternative, not mandatory at this time.
- 4, If FCC parameters are used, $\pm 5\%$ tolerance. If IEC parameters, $\pm 10\%$.
- 5, In this case, IEC parameters applied.

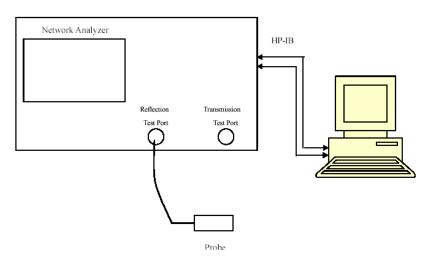
EQUIPMENT LIST AND CALIBRATION

Equipments List & Calibration Information

Equipment	Model	S/N	Calibration Date	Calibration Due Date
DASY5 Test Software	DASY52.10	N/A	NCR	NCR
DASY5 Measurement Server	DASY5 4.5.12	1470	NCR	NCR
Data Acquisition Electronics	DAE3	471	2019/12/25	2020/12/25
E-Field Probe	ES3DV2	3019	2019/9/25	2020/9/25
Dipole, 450MHz	D450V3	1096	2019/11/27	2022/11/27
Mounting Device	MD4HHTV5	SD 000 H01 KA	NCR	NCR
Oval Flat Phantom	ELI V8.0	2051	NCR	NCR
Simulated Tissue 450 MHz	TS-450	1709045001	Each Time	/
Network Analyzer	8753C	3033A02857	2020/8/3	2021/8/3
Dielectric assessment kit	1253	SM DAK 040 CA	NCR	NCR
synthesized signal generator	8665B	3438a00584	2019/9/12	2020/9/11
Power Meter	E4419B	MY45103907	2020/5/9	2021/5/8
Power Amplifier	ZVA-213-S+	SN054 201245	NCR	NCR
Directional Coupler	53dB	488Z	NCR	NCR
Attenuator	20dB, 100W	LN749	NCR	NCR
Attenuator	6dB, 150W	2754	NCR	NCR

SAR MEASUREMENT SYSTEM VERIFICATION

Liquid Verification



Liquid Verification Setup Block Diagram

Liquid Verification Results

Frequency	Liquid Type	Liquid Parameter		Target Value		Delta (%)		Tolerance
(MHz)	Liquiu Type	8r	0' (S/m)	8r	0' (S/m)	$\Delta \epsilon_{\rm r}$	ΔΟ΄ (S/m)	(%)
450	Simulated Tissue 450 MHz	43.695	0.864	43.5	0.87	0.45	-0.69	±10
462.6375	Simulated Tissue 450 MHz	43.566	0.889	43.43	0.87	0.31	2.18	±10
467.6375	Simulated Tissue 450 MHz	43.319	0.891	43.41	0.87	-0.21	2.41	±10

*Liquid Verification above was performed on 2020/8/22.

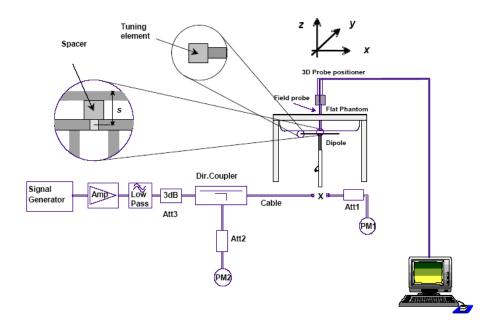
System Accuracy Verification

Prior to the assessment, the system validation kit was used to test whether the system was operating within its specifications of $\pm 10\%$. The validation results are tabulated below. And also the corresponding SAR plot is attached as well in the SAR plots files.

The spacing distances in the System Verification Setup Block Diagram is given by the following:

- a) $s = 15 \text{ mm} \pm 0.2 \text{ mm}$ for 300 MHz $\leq f \leq 1 \text{ 000 MHz}$;
- b) $s = 10 \text{ mm} \pm 0.2 \text{ mm}$ for 1 000 MHz < f \leq 3 000 MHz;
- c) $s = 10 \text{ mm} \pm 0.2 \text{ mm}$ for 3 000 MHz $< f \le 6$ 000 MHz.

System Verification Setup Block Diagram



System Accuracy Check Results

Date	Frequency Band	Input Power (mW)	Measured SAR (W/kg)		Normalized to 1W (W/kg)	Target Value (W/kg)	Delta (%)	Tolerance (%)
2020/8/22	450 MHz	100	1g	0.448	4.48	4.53	-1.1	±10

*The SAR values above are normalized to 1 Watt forward power.

SAR SYSTEM VALIDATION DATA

System Performance 450 MHz

DUT: Dipole 450 MHz; Type: D450V3; Serial: 1096

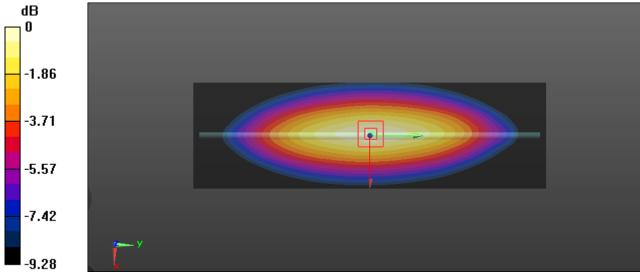
Communication System: CW; Frequency: 450 MHz;Duty Cycle: 1:1 Medium parameters used: f = 450 MHz; σ = 0.864 S/m; ϵ_r = 43.695; ρ = 1000 kg/m³ Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 SN3019; ConvF(7.02, 7.02, 7.02) @ 450 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 0.477 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mmReference Value = 23.48 V/m; Power Drift = -0.01 dB Peak SAR (extrapolated) = 0.669 W/kg SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.302 W/kg Maximum value of SAR (measured) = 0.481 W/kg



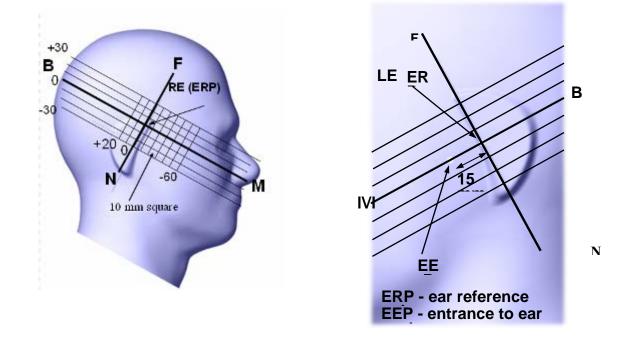
0 dB = 0.481 W/kg = -3.18 dBW/kg

EUT TEST STRATEGY AND METHODOLOGY

Test Positions for Device Operating Next to a Person's Ear

This category includes most wireless handsets with fixed, retractable or internal antennas located toward the top half of the device, with or without a foldout, sliding or similar keypad cover. The handset should have its earpiece located within the upper ¹/₄ of the device, either along the centerline or off-centered, as perceived by its users. This type of handset should be positioned in a normal operating position with the "test device reference point" located along the "vertical centerline" on the front of the device aligned to the "ear reference point". The "test device reference point" should be located at the same level as the center of the earpiece region. The "vertical centerline" should bisect the front surface of the handset at its top and bottom edges. A "ear reference point" is located on the outer surface of the head phantom on each ear spacer. It is located 1.5 cm above the center of the ear canal entrance in the "phantom reference plane" defined by the three lines joining the center of each "ear reference point" (left and right) and the tip of the mouth.

A handset should be initially positioned with the earpiece region pressed against the ear spacer of a head phantom. For the SCC-34/SC-2 head phantom, the device should be positioned parallel to the "N-F" line defined along the base of the ear spacer that contains the "ear reference point". For interim head phantoms, the device should be positioned parallel to the cheek for maximum RF energy coupling. The "test device reference point" is aligned to the "ear reference point" on the head phantom and the "vertical centerline" is aligned to the "phantom reference plane". This is called the "initial ear position". While maintaining these three alignments, the body of the handset is gradually adjusted to each of the following positions for evaluating SAR:



Cheek/Touch Position

The device is brought toward the mouth of the head phantom by pivoting against the "ear reference point" or along the "N-F" line for the SCC-34/SC-2 head phantom.

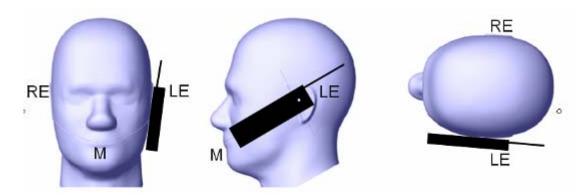
This test position is established:

When any point on the display, keypad or mouthpiece portions of the handset is in contact with the phantom.

(or) When any portion of a foldout, sliding or similar keypad cover opened to its intended self-adjusting normal use position is in contact with the cheek or mouth of the phantom.

For existing head phantoms – when the handset loses contact with the phantom at the pivoting point, rotation should continue until the device touches the cheek of the phantom or breaks its last contact from the ear spacer.

Cheek /Touch Position



Ear/Tilt Position

With the handset aligned in the "Cheek/Touch Position":

1) If the earpiece of the handset is not in full contact with the phantom's ear spacer (in the "Cheek/Touch position") and the peak SAR location for the "Cheek/Touch" position is located at the ear spacer region or corresponds to the earpiece region of the handset, the device should be returned to the "initial ear position" by rotating it away from the mouth until the earpiece is in full contact with the ear spacer.

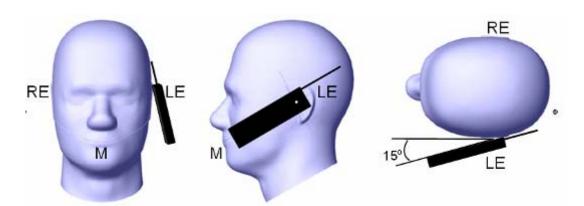
2) (otherwise) The handset should be moved (translated) away from the cheek perpendicular to the line passes through both "ear reference points" (note: one of these ear reference points may not physically exist on a split head model) for approximate 2-3 cm. While it is in this position, the device handset is tilted away from the mouth with respect to the "test device reference point" until the inside angle between the vertical centerline on the front surface of the phone and the horizontal line passing through the ear reference point is by 15 80°. After the tilt, it is then moved (translated) back toward the head perpendicular to the line passes through both "ear reference points" until the device touches the phantom or the ear spacer. If the antenna touches the head first, the positioning process should be repeated with a tilt angle less than 15° so that the device and its antenna would touch the phantom simultaneously. This test position may require a device holder or positioner to achieve the translation and tilting with acceptable positioning repeatability.

If a device is also designed to transmit with its keypad cover closed for operating in the head position, such positions should also be considered in the SAR evaluation. The device should be tested on the left and right side of the head phantom in the "Cheek/Touch" and "Ear/Tilt" positions. When applicable, each configuration should be tested with the antenna in its fully extended and fully retracted positions. These test configurations should be tested at the high, middle and low frequency channels of each operating mode; for example, AMPS, CDMA, and TDMA. If the SAR

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measured at the middle channel for each test configuration (left, right, Cheek/Touch, Tilt/Ear, extended and retracted) is at least 2.0 dB lower than the SAR limit, testing at the high and low channels is optional for such test configuration(s). If the transmission band of the test device is less than 10 MHz, testing at the high and low frequency channels is optional.

Ear /Tilt 15° Position



Test positions for body-worn and other configurations

Body-worn operating configurations should be tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in normal use configurations. Devices with a headset output should be tested with a headset connected to the device. When multiple accessories that do not contain metallic components are supplied with the device, the device may be tested with only the accessory that dictates the closest spacing to the body. When multiple accessories that contain metallic components are supplied with the device, the device must be tested with each accessory that contains a unique metallic component. If multiple accessories share an identical metallic component (e.g., the same metallic belt-clip used with different holsters with no other metallic components), only the accessory that dictates the closest spacing to the body must be tested.

Body-worn accessories may not always be supplied or available as options for some devices that are intended to be authorized for body-worn use. A separation distance of 1.5 cm between the back of the device and a flat phantom is recommended for testing body-worn SAR compliance under such circumstances. Other separation distances may be used, but they should not exceed 2.5 cm. In these cases, the device may use body-worn accessories that provide a separation distance greater than that tested for the device provided however that the accessory contains no metallic components.

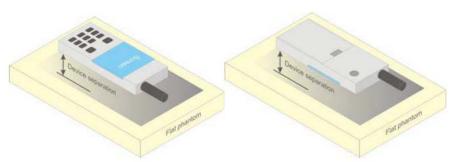


Figure 5 – Test positions for body-worn devices

Test Distance for SAR Evaluation

In this case the DUT(Device Under Test) is set directly against the phantom, the test distance is 0mm for body back mode; and for face up mode the distance is 25mm.

SAR Evaluation Procedure

The evaluation was performed with the following procedure:

Step 1: Measurement of the SAR value at a fixed location above the ear point or central position was used as a reference value for assessing the power drop. The SAR at this point is measured at the start of the test and then again at the end of the testing.

Step 2: The SAR distribution at the exposed side of the head was measured at a distance of 4 mm from the inner surface of the shell. The area covered the entire dimension of the head or radiating structures of the EUT, the horizontal grid spacing was 15 mm x 15 mm, and the SAR distribution was determined by integrated grid of 1.5mm x 1.5mm. Based on these data, the area of the maximum absorption was determined by spline interpolation. The first Area Scan covers the entire dimension of the EUT to ensure that the hotspot was correctly identified.

Step 3: Around this point, a volume of 30 mm x 30 mm x 30 mm was assessed by measuring 7x 7 x 7 points. On the basis of this data set, the spatial peak SAR value was evaluated under the following procedure:

1) The data at the surface were extrapolated, since the center of the dipoles is 1.2 mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.3 mm. The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.

2) The maximum interpolated value was searched with a straightforward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g or 10 g) were computed by the 3D-Spline interpolation algorithm. The 3D-Spline is composed of three one dimensional splines with the "Not a knot"-condition (in x, y and z-directions). The volume was integrated with the trapezoidal-algorithm. One thousand points $(10 \times 10 \times 10)$ were interpolated to calculate the averages.

All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.

Step 4: Re-measurement of the SAR value at the same location as in Step 1. If the value changed by more than 5%, the evaluation was repeated.

OUTPUT POWER MEASUREMENT

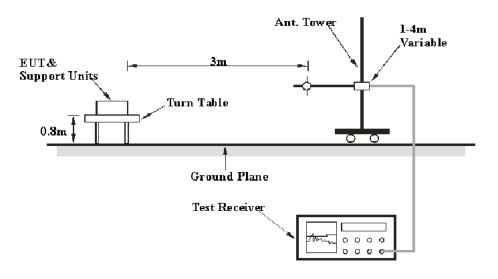
Provision Applicable

The measured peak output power should be greater and within 5% than EMI measurement.

Test Procedure

ERP:

The RF output power was perforned in an Anechoic chamber.



Maximum Target Output Power

Frequency Band	Frequency (MHz)	Max. ERP(with tolerance) for Production Unit (dBm)
462MHz(462.5500-462.7250MHz)	462.6375	31.5
467MHz(467.5625-467.7125 MHz)	467.6375	24.2

Test Results:

Mode	Frequency (MHz)	Measured Output Power(ERP) Unit (dBm)		
PTT(462.5500-467.7125 MHz)	462.6375	31.42		
F I I (402.3300-407.7123 MIIIZ)	467.6375	24.08		

Note:

The frequeency band was broken into two channel groups, $462MHz(462.5500 \sim 462.7250MHz)$ and 467MHz ($467.5625 \sim 467.7125$ MHz).

Per IEEE1528:2013, the width of the transmit frequency band, $\Delta f = f_{high} - f_{low}$ (where f_{high} is the highest frequency in the band and f_{low} is the lowest) does not exceeds 1% of its center frequency f_c .then only **center frequency** need be tested.

SAR Evaluation Report

Antennas Location:



SAR MEASUREMENT RESULTS

This page summarizes the results of the performed dosimetric evaluation.

SAR Test Data

Environmental Conditions

Temperature:	22.4 - 23.5 ℃
Relative Humidity:	44 %
ATM Pressure:	100.9 kPa
Test Date:	2020/8/22

Testing was performed by Steve Zhou, David Li, Eric Yuan.

Test Result:

Test Mode		Frequency			orn Max. Max. Meas. Rated —			1 g SAR Value(W/kg)						
		(MHz) accessorie				Scaled Factor	Meas. SAR	50%	Scaled SAR	Corrected SAR	Plot			
	Head	462.6375	Belt Clip	31.42	31.5	1.019	1.36	0.68	0.693	0.69	1#			
FM	Face Up (25 mm)		Belt Clip	24.08	24.2	1.028	1.21	0.605	0.622	0.62	2#			
(12.5 kHz)	2.5 kHz) Body	462.6375	Belt Clip	31.42	31.5	1.019	2.38	1.19	1.213	1.21	3#			
	Back (0 mm)	467.6375	Belt Clip	24.08	24.2	1.028	2	1	1.028	1.03	4#			

Note:

1. For a PTT, only simplex communication technology was supported, so the SAR value need to be corrected by Multiplying 50%.

2. Passive body-worn and audio accessories generally do not apply to the head SAR of PTT radios.

3. The whole antenna and radiating structures that may contribute to the measured SAR or influence the SAR distribution has been included in the area scan.

4. According to EN 62209-2:2010 ,If the correction Δ SAR has a positive sign, the measured SAR results shall not be corrected.

SAR Measurement Variability

In accordance with published RF Exposure KDB procedure 865664 D01 SAR measurement 100 MHz to 6 GHz v01. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).
- Perform a third repeated measurement only if the original, first or second repeated measurement is ≥1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.
- 5) The same procedures should be adapted for measurements according to occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

Note: The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

The Highest Measured SAR Configuration in Each Frequency Band

Head(Face Up)

SAR probe calibration point	Frequency		EUT Desition	Meas. SA	Largest to Smallest SAR Ratio	
	Band Freq.(MHz)		EUT Position	Original		
450MHz (350-550MHz)	FM_12.5kHz	462.6375	Face Up	1.36	1.29	1.05

Body(Body Back)

SAR probe	Frequency		EUT Desition	Meas. SA	R (W/kg)	Largest to	
calibration point	Band Freq.(MHz)		EUT Position	Original	Repeated	Smallest SAR Ratio	
450MHz (350-550MHz)	FM_12.5kHz	462.6375	Body Back	2.38	2.31	1.03	

Note:

- 1. Second Repeated Measurement is not required since the ratio of the largest to smallest SAR for the original and first repeated measurement is not > 1.20.
- 2. The measured SAR results **do not** have to be scaled to the maximum tune-up tolerance to determine if repeated measurements are required.

3. SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements.

Corrected SAR Evaluation

62209-2 © IEC:2010

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Annex F (normative)

SAR correction for deviations of complex permittivity from targets

F.2 SAR correction formula

From [13] and [14], a linear relationship was found between the percent change in SAR (denoted ΔSAR) and the percent change in the permittivity and conductivity from the target values in Table 1 (denoted $\Delta \epsilon_r$ and $\Delta \sigma$, respectively). This linear relationship agrees with the results of Kuster and Balzano [48] and Bit-Babik et al. [2]. The relationship is given by:

$$\Delta SAR = c_{\epsilon} \Delta \varepsilon_{r} + c_{\sigma} \Delta \sigma \qquad (F.1)$$

where

$c_{\varepsilon} = \partial (\Delta SAR) / \partial (\Delta \varepsilon)$	is the coefficients representing the sensitivity of SAR to permittivity where SAR is normalized to output power;
$c_{\sigma} = \partial (\Delta SAR) / \partial (\varDelta \sigma)$	is the coefficients representing the sensitivity of SAR to conductivity, where SAR is normalized to output power.

The values of c_{e} and c_{a} have a simple relationship with frequency that can be described using polynomial equations. For the 1 g averaged SAR c_{ϵ} and c_{σ} are given by

$$c_{\rm F} = -7,854 \times 10^{-4} f^3 + 9,402 \times 10^{-3} f^2 - 2,742 \times 10^{-2} f - 0,2026 \tag{F.2}$$

$$c_{\pi} = 9.804 \times 10^{-3} f^3 - 8.661 \times 10^{-2} f^2 + 2.981 \times 10^{-2} f + 0.782 9$$
(F.3)

where

f is the frequency in GHz.

For the 10 g averaged SAR, the variables c_{ε} and c_{σ} are given by:

$$c_{\varepsilon} = 3,456 \times 10^{-3} f^3 - 3,531 \times 10^{-2} f^2 + 7,675 \times 10^{-2} f - 0,186 0$$
 (F.4)

$$c_{\alpha} = 4,479 \times 10^{-3} f^3 - 1.586 \times 10^{-2} f^2 - 0.197 \ 2f + 0.771 \ 7$$
 (F.5)

Frequency (MHz)	Cε	∆٤r	Сб	Δδ	∆SAR (%)
450	-0.213	0.45	0.780	-0.69	-0.63
462.6375	-0.213	0.31	0.779	2.18	1.63
467.6375	-0.213	-0.21	0.779	2.41	1.92

Corrected SAR Evaluation Table:

$\Delta SAR = c_{\varepsilon} \Delta \varepsilon_{r} + c_{\sigma} \Delta \sigma$

$$c_{\epsilon} = -7,854 \times 10^{-4} f^3 + 9,402 \times 10^{-3} f^2 - 2,742 \times 10^{-2} f - 0,2026$$
 (F.2)

$$c_{\sigma} = 9,804 \times 10^{-3} f^3 - 8,661 \times 10^{-2} f^2 + 2,981 \times 10^{-2} f + 0,782 9$$
 (F.3)

Corrected SAR = Measured SAR * $((100 + (\Delta SAR \times -1))/100)$

SAR Plots

Test Plot 1#: FM_12.5kHz_462.6375MHz_Face Up

DUT: two way radio; Type: KD-C1; Serial: RXM200817052-SA-S1

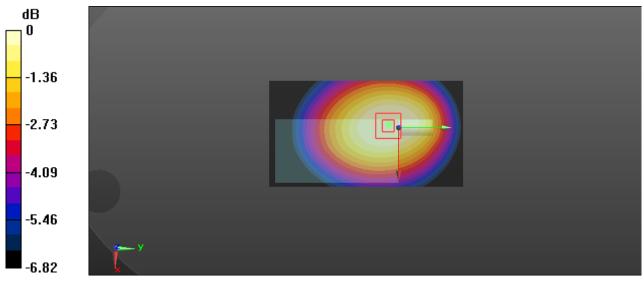
Communication System: FM; Frequency: 462.637 MHz;Duty Cycle: 1:1 Medium parameters used: f = 462.637 MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 43.566$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 SN3019; ConvF(7.02, 7.02, 7.02) @ 462.637 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 1.53 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 42.93 V/m; Power Drift = -0.19 dB Peak SAR (extrapolated) = 1.70 W/kg SAR(1 g) = 1.36 W/kg; SAR(10 g) = 1.06 W/kg Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg = 1.55 dBW/kg

Test Plot 2#: FM_12.5kHz_467.6375MHz_Face Up

DUT: two way radio; Type: KD-C1; Serial: RXM200817052-SA-S1

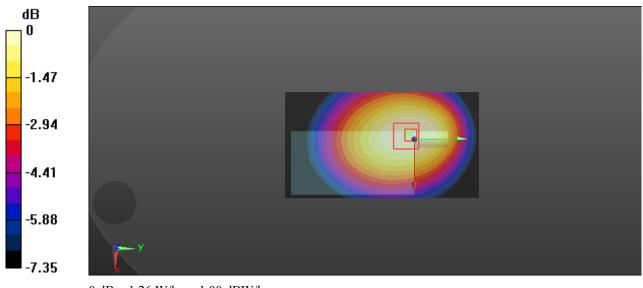
Communication System: FM; Frequency: 467.637 MHz;Duty Cycle: 1:1 Medium parameters used: f = 467.637 MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 43.319$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 SN3019; ConvF(7.02, 7.02, 7.02) @ 467.637 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 1.30 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 39.70 V/m; Power Drift = -0.12 dB Peak SAR (extrapolated) = 1.53 W/kg SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.932 W/kg Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

Test Plot 3#: FM_12.5kHz_462.6375MHz_Body Back

DUT: two way radio; Type: KD-C1; Serial: RXM200817052-SA-S1

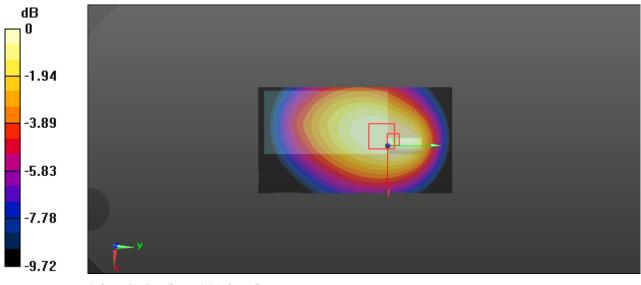
Communication System: FM; Frequency: 462.637 MHz;Duty Cycle: 1:1 Medium parameters used: f = 462.637 MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 43.566$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 SN3019; ConvF(7.02, 7.02, 7.02) @ 462.637 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 2.78 W/kg

Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 56.98 V/m; Power Drift = -0.12 dB Peak SAR (extrapolated) = 3.51 W/kg SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.76 W/kg Maximum value of SAR (measured) = 2.52 W/kg



0 dB = 2.52 W/kg = 4.01 dBW/kg

Test Plot 4#: FM_12.5kHz_467.6375MHz_Body Back

DUT: two way radio; Type: KD-C1; Serial: RXM200817052-SA-S1

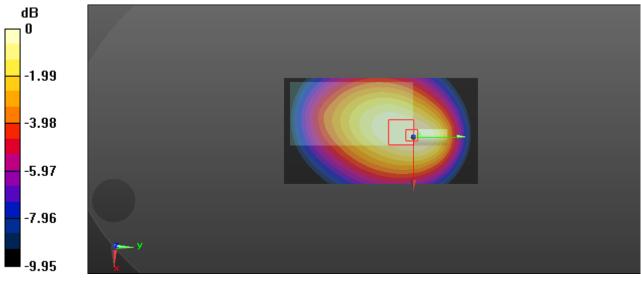
Communication System: FM; Frequency: 467.637 MHz;Duty Cycle: 1:1 Medium parameters used: f = 467.637 MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 43.319$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 SN3019; ConvF(7.02, 7.02, 7.02) @ 467.637 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 2.21 W/kg

Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 51.08 V/m; Power Drift = -0.11 dB Peak SAR (extrapolated) = 2.90 W/kg SAR(1 g) = 2 W/kg; SAR(10 g) = 1.49 W/kg Maximum value of SAR (measured) = 2.10 W/kg



0 dB = 2.10 W/kg = 3.22 dBW/kg

APPENDIX A MEASUREMENT UNCERTAINTY

The uncertainty budget has been determined for the measurement system and is given in the following Table.

Measurement uncertainty evaluation for IEEE1528-2013 SAR test

Source of uncertainty	Tolerance/ uncertainty ± %	Probability distribution	Divisor	ci (1 g)	ci (10 g)	Standard uncertainty ± %, (1 g)	Standard uncertainty ± %, (10 g)					
Measurement system												
Probe calibration	6.55	Ν	1	1	1	6.6	6.6					
Axial Isotropy	4.7	R	$\sqrt{3}$	1	1	2.7	2.7					
Hemispherical Isotropy	9.6	R	$\sqrt{3}$	0	0	0.0	0.0					
Boundary effect	1.0	R	$\sqrt{3}$	1	1	0.6	0.6					
Linearity	4.7	R	$\sqrt{3}$	1	1	2.7	2.7					
Detection limits	1.0	R	$\sqrt{3}$	1	1	0.6	0.6					
Readout electronics	0.3	Ν	1	1	1	0.3	0.3					
Response time	0.0	R	$\sqrt{3}$	1	1	0.0	0.0					
Integration time	0.0	R	$\sqrt{3}$	1	1	0.0	0.0					
RF ambient conditions – noise	1.0	R	$\sqrt{3}$	1	1	0.6	0.6					
RF ambient conditions-reflections	1.0	R	$\sqrt{3}$	1	1	0.6	0.6					
Probe positioner mech. Restrictions	0.8	R	$\sqrt{3}$	1	1	0.5	0.5					
Probe positioning with respect to phantom shell	6.7	R	$\sqrt{3}$	1	1	3.9	3.9					
Post-processing	2.0	R	$\sqrt{3}$	1	1	1.2	1.2					
		Test sample	related									
Test sample positioning	2.8	Ν	1	1	1	2.8	2.8					
Device holder uncertainty	6.3	Ν	1	1	1	6.3	6.3					
Drift of output power	5.0	R	$\sqrt{3}$	1	1	2.9	2.9					
		Phantom and	l set-up									
Phantom uncertainty (shape and thickness tolerances)	4.0	R	$\sqrt{3}$	1	1	2.3	2.3					
Liquid conductivity target)	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2					
Liquid conductivity meas.)	2.5	N	1	0.64	0.43	1.6	1.1					
Liquid permittivity target)	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4					
Liquid permittivity meas.)	2.5	Ν	1	0.6	0.49	1.5	1.2					
Combined standard uncertainty		RSS				12.2	12.0					
Expanded uncertainty 95 % confidence interval)						24.3	23.9					

Source of uncertainty	Tolerance/ uncertainty ± %	Probability distribution	Divisor	ci (1 g)	ci (10 g)	Standard uncertainty ± %, (1 g)	Standard uncertainty ± %, (10 g)				
Measurement system											
Probe calibration	6.55	Ν	1	1	1	6.6	6.6				
Axial Isotropy	4.7	R	√3	1	1	2.7	2.7				
Hemispherical Isotropy	9.6	R	√3	0	0	0.0	0.0				
Boundary effect	1.0	R	√3	1	1	0.6	0.6				
Linearity	4.7	R	√3	1	1	2.7	2.7				
Detection limits	1.0	R	√3	1	1	0.6	0.6				
Readout electronics	0.3	N	1	1	1	0.3	0.3				
Response time	0.0	R	√3	1	1	0.0	0.0				
Integration time	0.0	R	√3	1	1	0.0	0.0				
RF ambient conditions – noise	1.0	R	√3	1	1	0.6	0.6				
RF ambient conditions–reflections	1.0	R	√3	1	1	0.6	0.6				
Probe positioner mech. Restrictions	0.8	R	√3	1	1	0.5	0.5				
Probe positioning with respect to phantom shell	6.7	R	√3	1	1	3.9	3.9				
Post-processing	2.0	R	√3	1	1	1.2	1.2				
		Test sample	e related		•						
Test sample positioning	2.8	N	1	1	1	2.8	2.8				
Device holder uncertainty	6.3	N	1	1	1	6.3	6.3				
Drift of output power	5.0	R	√3	1	1	2.9	2.9				
	-	Phantom ar	nd set-up		_						
Phantom uncertainty (shape and thickness tolerances)	4.0	R	√3	1	1	2.3	2.3				
Liquid conductivity target)	5.0	R	√3	0.64	0.43	1.8	1.2				
Liquid conductivity meas.)	2.5	N	1	0.64	0.43	1.6	1.1				
Liquid permittivity target)	5.0	R	√3	0.6	0.49	1.7	1.4				
Liquid permittivity meas.)	2.5	N	1	0.6	0.49	1.5	1.2				
Combined standard uncertainty		RSS				12.2	12.0				
Expanded uncertainty 95 % confidence interval)						24.3	23.9				

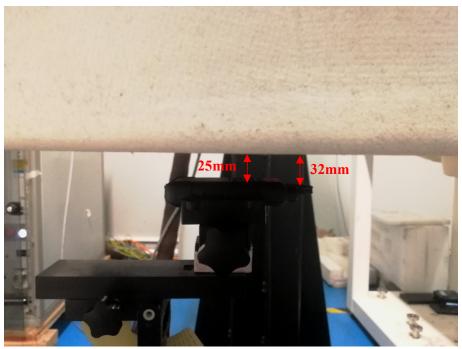
Measurement uncertainty evaluation for IEC62209-1 SAR test

APPENDIX B EUT TEST POSITION PHOTOS

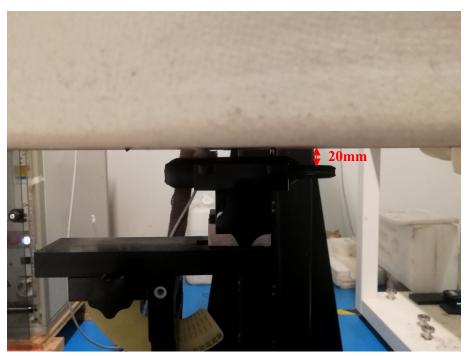


Liquid depth \geq 15cm

Face Up Setup Photo(25mm)



Body Back Setup Photo(0mm)



APPENDIX C CALIBRATION CERTIFICATES

Please Refer to the Attachment.

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

Accredited by the Swiss Accreditation Service (SAS)





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

Accreditation No.: SCS 0108

Certificate No: ES3-3019_Sep19

Multilateral Agreement for the recognition of calibration certificates

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

Client BACL-SZ (Auden)

(

CALIBRATION	CERTIFICATE		
Object	ES3DV2 - SN:301	9	
Calibration procedure(s)		A CAL-12.v9, QA CAL-23.v5, QA ure for dosimetric E-field probes	CAL-25.v7
Calibration date:	September 25, 20	19	
		al standards, which realize the physical units bability are given on the following pages and	
All calibrations have been cond	ucted in the closed laboratory	facility: environment temperature (22 \pm 3)°C a	and humidity < 70%.
Calibration Equipment used (M	&TE critical for calibration)		
Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	
Power meter E4419B	SN: GB41293874	Check Date (in house)	Scheduled Check
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	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Loodon Loodon	011 0041000411	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

	Name	Function	Signature
Calibrated by:	Michael Weber	Laboratory Technician	Miller
Approved by:	Katja Pokovic	Technical Manager	Solly
This calibration certificate	shall not be reproduced except in full	without written approval of the laboratory.	Issued: September 26, 2019

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



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Servizio svizzero di taratura

S Swiss Calibration Service

Accreditation No.: SCS 0108

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

Glossary:

tissue simulating liquid
sensitivity in free space
sensitivity in TSL / NORMx,y,z
diode compression point
crest factor (1/duty_cycle) of the RF signal
modulation dependent linearization parameters
a rotation around probe axis
9 rotation around an axis that is in the plane normal to probe axis (at measurement center),
to a 0 is normal to probe avis
information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handb) held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices C) used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

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

DASY/EASY - Parameters of Probe: ES3DV2 - SN:3019

Basic Calibration Parameters

Basic Calibration Para	meters		Concor 7	Unc (k=2)
	Sensor X	Sensor Y	Sensor Z	
1 1 1 1 1 1 1 1 1 1 1 A	1.00	1.12	0.92	± 10.1 %
Norm $(\mu V/(V/m)^2)^A$	105.8	105.7	107.6	
DCP (mV) ^B	100.0			

Calibration Results for Modulation Response

UID	ion Results for Modulation Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^e (k=2)
		x	0.00	0.00	1.00	0.00	183.8	±2.7 %	± 4.7 %
0	CW	Ŷ	0.00	0.00	1.00		198.9		
		Ż	0.00	0.00	1.00		176.0		
10352-	Pulse Waveform (200Hz, 10%)	TX X	15.00	87.15	19.61	10.00	60.0	± 3.1 %	±9.6 %
10352- AAA	Puise waveloini (2001)2, 10,0)	Y	15.00	88.56	20.91		60.0		
AAA		Ż	3.33	67.39	11.27		60.0		
40050	Pulse Waveform (200Hz, 20%)	X	15.00	87.87	18.84	6.99	80.0	± 2.0 %	± 9.6 %
10353- AAA		Y	15.00	89.96	20.44		80.0	1	
		Ż	2.44	65.57	9.41		80.0		
10354-	Pulse Waveform (200Hz, 40%)	ĪX	15.00	89.42	18.14	3.98	95.0	± 1.5 %	± 9.6 %
AAA	Fuise Wateroini (2001/2) Toto)	Y	15.00	93.32	20.60		95.0	4	
~~~		Z	0.87	60.33	5.71		95.0		
10355-	Pulse Waveform (200Hz, 60%)	$+\overline{x}$	15.00	89.81	16.88	2.22	120.0	± 1.6 %	± 9.6 %
AAA	Fuise Watcionn (2001)21 00107	Y	15.00	97.86	21.28		120.0	1	
		Z	0.54	60.00	4.08		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.37	60.00	3.81	0.00	150.0	± 5.2 %	± 9.6 %
AAA		Y	0.40	60.00	4.20		150.0	1	1
		Z	5.79	252.30	20.11		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.05	69.16	16.34	0.00	150.0	± 1.2 %	± 9.6 %
AAA		Y	2.06	68.98	16.35		150.0	4	
		Z	1.63	66.00	14.07		150.0		
10396-	64-QAM Waveform, 100 kHz		2.13	67.24	17.53	3.01	150.0	± 2.1 %	± 9.6 %
AAA		Y	2.28	68.66	18.29		150.0	4	
		Z	2.08	68.82	18.92		150.0	1 1 0 01	1.000
10399-	64-QAM Waveform, 40 MHz	X	3.36	67.57	16.06	0.00	150.0	± 1.9 %	± 9.6 %
AAA		Y	3.36	67.40	16.02	4	150.0	-	
		Z	3.04	66.13	14.99		150.0		1.000
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.58	66.19	15.86	0.00	150.0	± 4.2 %	±9.6 %
AAA		Y	4.57	66.01	15.79	4	150.0	4	
		Z	4.33	65.17	15.15		150.0		

Note: For details on UID parameters see Appendix

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

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

^B Numerical linearization parameter: uncertainty not required.

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

# DASY/EASY - Parameters of Probe: ES3DV2 - SN:3019

### Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 ms.V ⁻²	T2 ms.V ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	Т6
<u> </u>	26.4	190.09	35.67	17.13	0.40	5.10	0.00	0.25	1.00
<u>Y</u>	26.7	191.95	35.60	17.81	0.59	5.10	0.72	0.13	1.00
Z	30.0	220.75	36.84	21.29	0.59	5.10	0.00	0.19	1.01

# **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

# DASY/EASY - Parameters of Probe: ES3DV2 - SN:3019

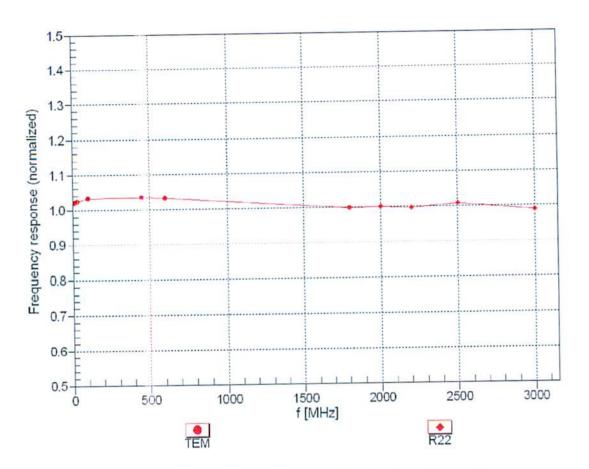
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
150	52.3	0.76	7.59	7.59	7.59	0.06	1.50	± 13.3 %
450	43.5	0.87	7.02	7.02	7.02	0.16	1.50	± 13.3 %

# Calibration Parameter Determined in Head Tissue Simulating Media

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

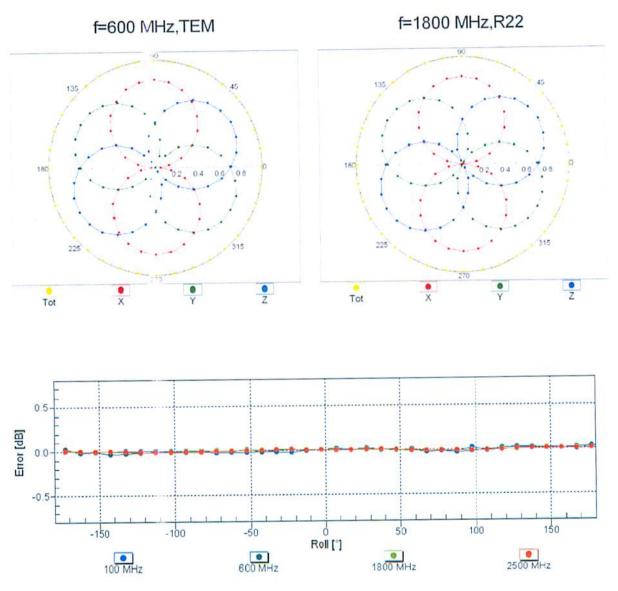
⁶ At frequencies below 3 GHz, the validity of tissue parameters ( $\varepsilon$  and  $\sigma$ ) can be relaxed to  $\pm$  10% if liquid compensation formula is applied to ⁶ At frequencies below 3 GHz, the validity of tissue parameters ( $\varepsilon$  and  $\sigma$ ) can be relaxed to  $\pm$  10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\varepsilon$  and  $\sigma$ ) is restricted to  $\pm$  5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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



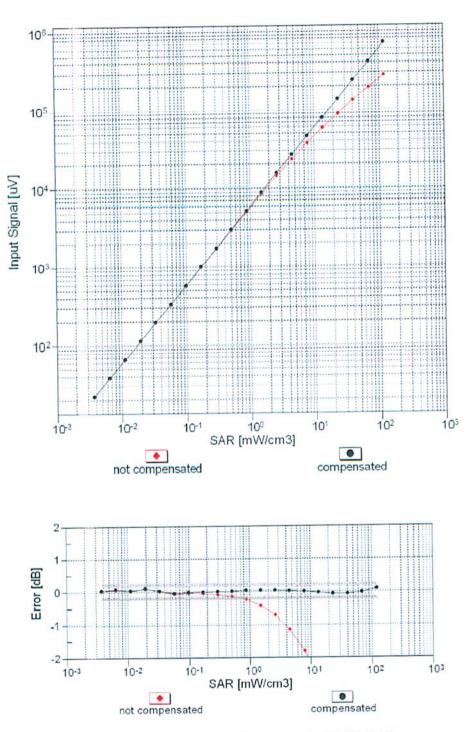
# Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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



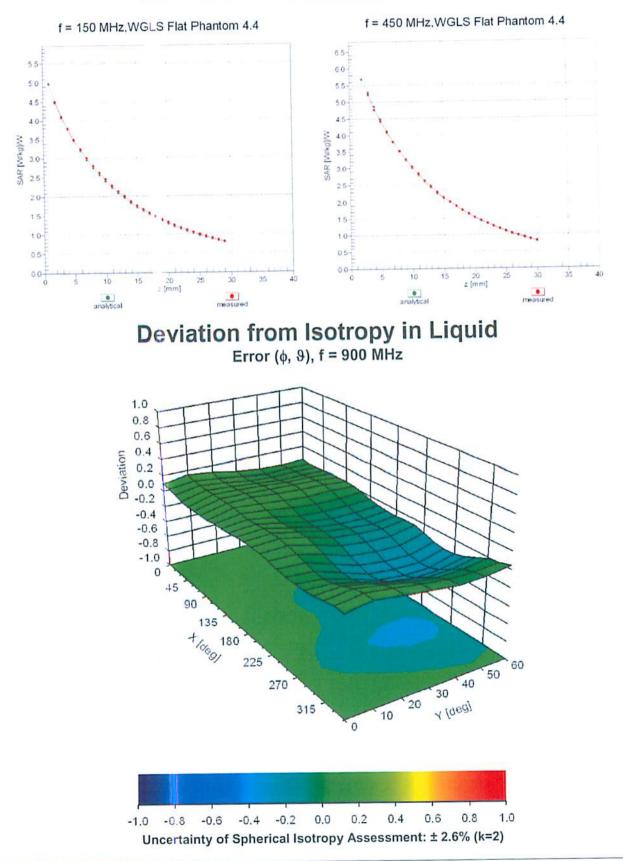
# Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

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



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

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



# **Conversion Factor Assessment**

# **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR	Unc ^E
0		CW		(dB)	(k=2)
10010	CAA	SAR Validation (Square, 100ms, 10ms)	CW	0.00	± 4.7 %
10011	CAB	UMTS-FDD (WCDMA)	Test WCDMA	10.00	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	2.91	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	1.87	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.46	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.39	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	9.57 6.56	$\pm 9.6\%$
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	<u>±9.6 %</u> ±9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	$\pm 9.6\%$ $\pm 9.6\%$
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6 % ±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	$\pm 9.6\%$
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	
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth		±9.6%
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	8.01	<u>±9.6 %</u> ±9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)			
10039	CAB	CDMA2000 (1×RTT, RC1)	Bluetooth CDMA2000	4.10	± 9.6 % ± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)		4.57	
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS AMPS	7.78	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	0.00	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Pull Slot, 24)		13.80	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)		10.79	±9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	TD-SCDMA	11.01	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	GSM WLAN	6.52	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)		2.12	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN WLAN	3.60	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.68 8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN		± 9.6 % ± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09 9.00	
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 16 Mbps)	WLAN	9.00	± 9.6 % ± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN		
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.12 10.24	±9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 % ± 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, 5 Mbps)	WLAN	9.63	
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 MDps)	WLAN	<u>9.82</u> 9.94	<u>±9.6 %</u> ±9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 16 Mbps)	WLAN	9.94	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 38 Mbps)	WLAN		
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 46 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	CDMA2000 (1xRTT, RC3)		11.00	± 9.6 %
10081	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	CDMA2000	3.97	± 9.6 %
10082	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	AMPS GSM	4.77	± 9.6 %
10090				6.56	± 9.6 %
10097	CAB CAB	UMTS-FDD (HSDPA)		3.98	± 9.6 %
	DAC	UMTS-FDD (HSUPA, Subtest 2)		3.98	± 9.6 %
10000		EDGE-FDD (TDMA, 8PSK, TN 0-4)		9.55	± 9.6 %
10099		LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10100	CAE			0 40 '	
10100 10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10100 10101 10102	CAE CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6 %
10100 10101 10102 10103	CAE CAE CAG	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD LTE-TDD	6.60 9.29	± 9.6 % ± 9.6 %
10100 10101 10102	CAE CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6 %

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	<u>8.10</u>	± 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	<u>5.76</u>	± 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	<u>± 9.6 %</u>
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	<u>± 9.6 %</u>
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	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	5.72	± 9.6 %
10176	CAG		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		WLAN	8.21	± 9.6 %
10196	CAC		WLAN	8.10	± 9.6 %
10197	CAC		WLAN	8.13	± 9.6 %
10198	CAC		WLAN	8.27	± 9.6 %
10130	CAC		WLAN	8.03	± 9.6 %
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10220         CAC         FEE 802.11n (HT Mixed, 43 Mbps, 16-CAM)         WLAN         8.27         1.9.6 %.           10221         CAC         IEEE 802.11n (HT Mixed, 15 Mbps, 16-CAM)         WLAN         8.49         1.9.6 %.           10222         CAC         IEEE 802.11n (HT Mixed, 150 Mbps, 16-CAM)         WLAN         8.49         1.9.6 %.           10224         CAC         IEEE 802.11n (HT Mixed, 150 Mbps, 64-CAM)         WLAN         8.49         1.9.6 %.           10225         CAB         LTE-TDD (SC-FDMA, 1RB, 1.4 MHz, 16-CAM)         UTE-TDD         9.49.6 %.           10226         CAB         LTE-TDD (SC-FDMA, 1RB, 1.4 MHz, 0FSK)         UTE-TDD         9.22         1.9.6 %.           10226         CAB         LTE-TDD (SC-FDMA, 1RB, MHz, 0FSK)         UTE-TDD         9.42         1.9.6 %.           10226         CAB         LTE-TDD (SC-FDMA, 1RB, MHz, 0FSK)         UTE-TDD         9.42         1.9.6 %.           10231         CAB         LTE-TDD (SC-FDMA, 1RB, MHz, 0FSK)         UTE-TDD         9.22         1.9.6 %.           10232         CA6         LTE-TDD (SC-FDMA, 1RB, MHz, 0FSA)         UTE-TDD         9.4 9.6 %.           10232         CA6         LTE-TDD (SC-FDMA, 1RB, MHz, 0FSA)         UTE-TDD         9.4 9.6 %.	<u>.                                    </u>					
Lu221         CAC         Teste 802:110 (HT Mixed, 72 Mbps, BPSK)         WLAN         8.67         19.6 %           10222         CAC         IEEE 602:110 (HT Mixed, 50 Mbps, BFC, CAM)         WLAN         8.6.6         2.9.6 %           10224         CAC         IEEE 602:110 (HT Mixed, 50 Mbps, 64-CAM)         WLAN         8.6.6         2.9.6 %           10224         CAC         IEEE 602:110 (HT Mixed, 50 Mbps, 64-CAM)         WLCDMA         5.9.7 ± 9.6 %           10225         CAS         ILTE TOD (SC TDMA, 1 RB, 14 MH2, 16-CAM)         ILTE TDD         9.49 ± 9.6 %           10227         CAS         ILTE TOD (SC TDMA, 1 RB, 14 MH2, 16-CAM)         ILTE TDD         9.22 ± 9.6 %           10229         CAS         ILTE TDD (SC TDMA, 1 RB, 14 MH2, 16-CAM)         ILTE TDD         9.22 ± 9.6 %           10229         CAS         ILTE TDD (SC TDMA, 1 RB, 5 MH2, 16-CAM)         ILTE TDD         9.23 ± 9.6 %           10231         CAG         ILTE TDD (SC TDMA, 1 RB, 5 MH2, 16-CAM)         ILTE TDD         9.24 ± 9.6 %           10232         CAG         ILTE TDD (SC TDMA, 1 RB, 5 MH2, 16-CAM)         ILTE TDD         9.25 ± 9.6 %           10232         CAG         ILTE TDD (SC TDMA, 1 RB, 16 MH2, 0FSK)         ILTE TDD         9.24 ± 9.6 %           10234         CAG         <			IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
J0222         CAC         IEEE 802.11n (HT Mixed, 150 Mpps, B-CAM)         WLAN         8.48         1.9.6 %.           J0224         CAC         IEEE 802.11n (HT Mixed, 150 Mpps, B-CAM)         WLAN         8.49         1.9.6 %.           J0224         CAC         IEEE 802.11n (HT Mixed, 150 Mpps, B-CAM)         WLAN         8.49         1.9.6 %.           J0225         CAB         LIFE-TDD (SC-FDMA, 1RB, 1.4 MHz, 16-CAM)         ITE-TDD         9.4         2.9.6 %.           J0226         CAB         LIFE-TDD (SC-FDMA, 1RB, 1.4 MHz, 0FSK)         ITE-TDD         9.42         2.9.6 %.           J0226         CAB         LIFE-TDD (SC-FDMA, 1RB, MHz, 0FSK)         ITE-TDD         9.42         2.9.6 %.           J0226         CAB         LIFE-TDD (SC-FDMA, 1RB, MHz, 0FSK)         ITE-TDD         9.42         2.9.6 %.           J0231         CAD         LIFE-TDD (SC-FDMA, 1RB, MHz, 0FSK)         ITE-TDD         9.42         2.9.6 %.           J0232         CAG         LIFE-TDD (SC-FDMA, 1RB, MHz, 0FSK)         ITE-TDD         9.42         2.9.6 %.           J0233         CAG         LIFE-TDD (SC-FDMA, 1RB, 0 MHz, 0FSK)         ITE-TDD         9.42         2.9.6 %.           J0234         CAG         LIFE-TDD (SC-FDMA, 1RB, 10 MHz, 0FSK)         ITE-TDD <td< td=""><td></td><td></td><td>IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)</td><td></td><td></td><td></td></td<>			IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)			
19223         CAC         IEEE 802.11n (HT Mixed, 90 Mbps, 64-OAM)         WLAN         8.68         1.9.6 %           19224         CAC         IEEE 802.11n (HT Mixed, 90 Mbps, 64-OAM)         WCDMA         5.07         1.9.6 %           19225         CAB         UNTS-PDJ (HSPA+)         WCDMA         5.07         1.9.6 %           19225         CAB         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-OAM)         LTE-TDD         9.24         1.9.6 %           19226         CAB         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-OAM)         LTE-TDD         9.24         1.9.6 %           19228         CAD         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-OAM)         LTE-TDD         9.24         2.9.6 %           19230         CAD         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-OAM)         LTE-TDD         9.48         2.9.6 %           19231         CAG         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-OAM)         LTE-TDD         9.21         2.9.6 %           19232         CAG         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-OAM)         LTE-TDD         9.21         2.9.6 %           19235         CAG         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-OAM)         LTE-TDD         9.22         2.9.6 %           19236         CAG         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0F-OAM)         LTE-TDD         9.21 </td <td></td> <td>CAC</td> <td>IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)</td> <td>WLAN</td> <td></td> <td></td>		CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN		
10224         CAC         IEEE 802.11n (HT Maxed, 150 Mbps, 64-0AM)         WUAN         508         29.6 %           10225         CAB         LITE-TDD (SC-FDMA, 1RB, 14 MHz, 16-0AM)         LTE-TDD 0.9.49         29.6 %           10227         CAB         LTE-TDD (SC-FDMA, 1RB, 14 MHz, 64-0AM)         LTE-TDD 0.9.20         29.6 %           10228         CAB         LTE-TDD (SC-FDMA, 1RB, 14 MHz, 64-0AM)         LTE-TDD 0.9.48         29.6 %           10229         CAD         LTE-TDD (SC-FDMA, 1RB, 3 MHz, 76-0AM)         LTE-TDD 0.9.48         29.6 %           10231         CAD         LTE-TDD (SC-FDMA, 1RB, 5 MHz, 04-0AM)         LTE-TDD 0.9.48         29.6 %           10232         CAG         LTE-TDD (SC-FDMA, 1RB, 5 MHz, 04-0AM)         LTE-TDD 1.9.25         29.6 %           10232         CAG         LTE-TDD (SC-FDMA, 1RB, 5 MHz, 04-0AM)         LTE-TDD 1.9.25         29.6 %           10233         CAG         LTE-TDD (SC-FDMA, 1RB, 5 MHz, 04-0AM)         LTE-TDD 1.9.25         29.6 %           10235         CAG         LTE-TDD (SC-FDMA, 1RB, 5 MHz, 04-0AM)         LTE-TDD 1.9.25         29.6 %           10235         CAG         LTE-TDD (SC-FDMA, 1RB, 10 MHz, 07-8K)         LTE-TDD 1.9.26         29.6 %           10235         CAG         LTE-TDD (SC-FDMA, 1RB, 15 MHZ, 04-0AM)			IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN		
10225         CAB         LURTS-FDD (HSPA+)         WCDMA         5.97         ± 9.6 %           10226         CAB         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-CAM)         LTE-TDD (0.26         ± 9.6 %           10227         CAB         LTE-TDD (SC-FDMA, 1 RB, 3.1 MHz, 64-CAM)         LTE-TDD (0.26         ± 9.6 %           10229         CAD         LTE-TDD (SC-FDMA, 1 RB, 3.1 MHz, 14-CAM)         LTE-TDD (9.48         ± 9.6 %           10230         CAD         LTE-TDD (SC-FDMA, 1 RB, 3.1 MHz, 0-CAM)         LTE-TDD (9.48         ± 9.6 %           10231         CAD         LTE-TDD (SC-FDMA, 1 RB, 5.1 MHz, 0-CAM)         LTE-TDD (9.28         ± 9.6 %           10232         CAG         LTE-TDD (SC-FDMA, 1 RB, 5.1 MHz, 0-CAM)         LTE-TDD (9.28         ± 9.6 %           10235         CAG         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 40-CAM)         LTE-TDD (9.28         ± 9.6 %           10235         CAG         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0-CAM)         LTE-TDD (9.21         ± 9.6 %           10236         CAG         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0-CAM)         LTE-TDD (9.21         ± 9.6 %           10236         CAF         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0-CAM)         LTE-TDD (9.24         ± 9.6 %           10236         CAF         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0-CAM)		CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)			
10226         CAB         LTE-TDD         G2.97         G4.99         19.67           10227         CAB         LTE-TDD         GC:FDMA, 178, 1.4 MHz, GPSK)         LTE-TDD         9.22         19.65           10228         CAB         LTE-TDD         GC:FDMA, 178, 3 MHz, 16-CAM)         LTE-TDD         9.49         19.65           10230         CAD         LTE-TDD         GC:FDMA, 178, 3 MHz, 26-CAM)         LTE-TDD         9.49         19.65           10231         CAD         LTE-TDD         GC:FDMA, 178, 5 MHz, 16-CAM)         LTE-TDD         9.49         19.65           10232         CAG         LTE-TDD         GC:FDMA, 178, 5 MHz, 16-CAM)         LTE-TDD         9.48         19.65           10233         CAG         LTE-TDD         GC:FDMA, 178, 5 MHz, 20-CAM)         LTE-TDD         9.48         19.65           10235         CAG         LTE-TDD         GC:FDMA, 178, 10 MHz, 20-SK)         LTE-TDD         9.49         19.65           10236         CAG         LTE-TDD         GC:FDMA, 178, 10 MHz, 20-SK)         LTE-TDD         9.49         19.65           10236         CAF         LTE-TDD         GC:FDMA, 178, 15 MHz, 40-CAM)         LTE-TDD         9.49         19.65           10236         CAF <td></td> <td></td> <td>UMTS-FDD (HSPA+)</td> <td></td> <td></td> <td></td>			UMTS-FDD (HSPA+)			
10227         CAB         LTE-TDD         C2CF         CAB         L14Htz, 24-CAM)         LTE-TDD         0.22         4.9.8%           10228         CAD         LTE-TDD         CSC-FDMA, 1RB, 3 MHz, 14-CAM)         LTE-TDD         9.48         ±9.6.8%           10230         CAD         LTE-TDD         CSC-FDMA, 1RB, 3 MHz, 14-CAM)         LTE-TDD         9.48         ±9.6.8%           10231         CAD         LTE-TDD         CSC-FDMA, 1RB, 3 MHz, 14-CAM)         LTE-TDD         9.48         ±9.6.8%           10232         CAG         LTE-TDD         CSC-FDMA, 1RB, 5 MHz, 0PSK)         LTE-TDD         9.48         ±9.6.8%           10233         CAG         LTE-TDD         CSC-FDMA, 1RB, 10 MHz, 4C-OAM)         LTE-TDD         9.48         ±9.6.8%           10238         CAG         LTE-TDD         CSC-FDMA, 1RB, 10 MHz, 4C-OAM)         LTE-TDD         9.48         ±9.6.8%           10238         CAG         LTE-TDD         CSC-FDMA, 1RB, 15 MHz, 16-OAM)         LTE-TDD         9.42         ±9.6.8%           10238         CAG         LTE-TDD         CSC-FDMA, 1RB, 15 MHz, 16-OAM)         LTE-TDD         9.42         ±9.6.8%           10240         CAF         LTE-TDD         CSC-FDMA, 1RB, 15 MHz, 16-OAM)         LTE-TDD		CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)			
10228         CAB         LTE-TDD         CSC-FDMA, 1RB, 14 MH2, QFSK)         LTE-TDD         9.42         9.65 %           10230         CAD         LTE-TDD         GSC-FDMA, 1RB, 3 MH2, 46-CAM)         LTE-TDD         9.65 %           10231         CAD         LTE-TDD         GSC-FDMA, 1RB, 3 MH2, 16-CAM)         LTE-TDD         9.46 ± 9.6 %           10232         CAG         LTE-TDD         GSC-FDMA, 1RB, 5 MH2, 16-CAM)         LTE-TDD         9.46 ± 9.6 %           10233         CAG         LTE-TDD         GSC-FDMA, 1RB, 10 MH2, 46-CAM)         LTE-TDD         9.21 ± 9.6 %           10235         CAG         LTE-TDD         GSC-FDMA, 1RB, 10 MH2, 46-CAM)         LTE-TDD         9.24 ± 9.6 %           10236         CAG         LTE-TDD         GSC-FDMA, 1RB, 10 MH2, 46-CAM)         LTE-TDD         9.48 ± 9.6 %           10237         CAG         LTE-TDD         GSC-FDMA, 1RB, 15 MH2, CPSK)         LTE-TDD         9.21 ± 9.6 %           10238         CAF         LTE-TDD         GSC-FDMA, 1RB, 15 MH2, CPSK)         LTE-TDD         9.21 ± 9.6 %           10239         CAF         LTE-TDD (SC-FDMA, 1SW, RB, 14 MH2, GPSK)         LTE-TDD         9.21 ± 9.6 %           10240         CAF         LTE-TDD (SC-FDMA, 1SW, RB, 14 MH2, GPSK)         LTE-TDD	10227		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)			
10228         CAD         LTE-TDD         9:68         9:68           10230         CAD         LTE-TDD         100:75         19:68         100:75           10231         CAD         LTE-TDD         100:75         19:68         100:75           10232         CAG         LTE-TDD         10:67         10:64         19:68           10232         CAG         LTE-TDD         10:67         10:68         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75         10:75		CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)			
10230         CAD         LTE-TDD         ISC-FDMA, 1 RB, 3 MHz, 29-CAM)         LTE-TDD         10.25         10.26           10231         CAG         LTE-TDD         ISC-FDMA, 1 RB, 3 MHz, 20-CAM)         LTE-TDD         9.46         19.65           10232         CAG         LTE-TDD ISC-FDMA, 1 RB, 5 MHz, 40-CAM)         LTE-TDD         10.26         19.65           10234         CAG         LTE-TDD ISC-FDMA, 1 RB, 10 MHz, 10-CAM)         LTE-TDD         9.46         19.65           10235         CAG         LTE-TDD ISC-FDMA, 1 RB, 10 MHz, 10-CAM)         LTE-TDD         9.48         19.65           10237         CAG         LTE-TDD ISC-FDMA, 1 RB, 10 MHz, 16-CAM)         LTE-TDD         9.48         49.65           10238         CAF         LTE-TDD ISC-FDMA, 1 RB, 10 MHz, 16-CAM)         LTE-TDD         9.46         49.65           10240         CAF         LTE-TDD ISC-FDMA, 168, 15 MHz, 0-FSK)         LTE-TDD         9.26         9.65           10242         CAB         LTE-TDD ISC-FDMA, 168, 15 MHz, 0-FSK)         LTE-TDD         9.26         9.6           10242         CAB         LTE-TDD ISC-FDMA, 50% RB, 3 MHz, 64-CAM)         LTE-TDD         9.86         9.6           10245         CAB         LTE-TDD ISC-FDMA, 50% RB, 3 MHz, 64-CAM)	10229	CAD				
10231         CAD         LTE-TOD         9:16         25.6 %           10232         CAG         LTE-TOD         9:46         25.6 %           10233         CAG         LTE-TOD         10:25         25.6 %           10234         CAG         LTE-TOD         10:26         25.6 %           10235         CAG         LTE-TOD         10:26         25.6 %           10236         CAG         LTE-TOD         10:26         25.6 %           10237         CAG         LTE-TOD         10:26         25.0 %           10238         CAG         LTE-TOD         10:26         25.0 %           10238         CAG         LTE-TOD         10:26         25.0 %           10238         CAF         LTE-TOD (SC-FDMA, 178, 15 MHz, CPGAM)         LTE-TOD         9.2 ± 9.6 %           10241         CAB         LTE-TOD (SC-FDMA, 178, 15 MHz, CPGAM)         LTE-TOD         9.2 ± 9.6 %           10242         CAB         LTE-TOD (SC-FDMA, 178, 15 MHz, CPGAM)         LTE-TOD         9.2 ± 9.6 %           10242         CAB         LTE-TOD (SC-FDMA, 50% RB, 14 MHz, 16-QAM)         LTE-TOD         9.2 ± 9.6 %           10244         CAD         LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM)         LTE-TDD	10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)			
19232         CAG         LTE-TDD         (SC-FDMA, 1 RB, 5 MHz, 4G-CAM)         LTE-TDD         10.23         CAG         LTE-TDD         10.23         CAG         LTE-TDD         10.23         CAG         LTE-TDD         10.25         10.6 %           10233         CAG         LTE-TDD         ISC-FDMA, 1 RB, 10 MHz, 16-CAM)         LTE-TDD         9.4 %         19.6 %           10236         CAG         LTE-TDD         ISC-FDMA, 1 RB, 10 MHz, 16-CAM)         LTE-TDD         9.4 %         19.6 %           10237         CAG         LTE-TDD         ISC-FDMA, 1 RB, 10 MHz, 16-CAM)         LTE-TDD         9.4 %         9.6 %           10239         CAF         LTE-TDD ISC-FDMA, 10 %         ISMHz, 16-CAM)         LTE-TDD         9.4 %         9.6 %           10240         CAF         LTE-TDD ISC-FDMA, 50 %         RB, 14 MHz, 16-CAM)         LTE-TDD         9.2 %         9.6 %           10241         CAB         LTE-TDD ISC-FDMA, 50 %         RB, 14 MHz, 16-CAM)         LTE-TDD         9.2 %         9.6 %           10244         CAB         LTE-TDD ISC-FDMA, 50 %         RB, 3 MHz, 64-CAM)         LTE-TDD         9.8 %         9.6 %           10244         CAB         LTE-TDD ISC-FDMA, 50 %         RB, 3 MHz, 64-CAM)         LTE-TDD <td< td=""><td>10231</td><td>CAD</td><td>LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)</td><td></td><td></td><td></td></td<>	10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)			
10233         CAG         LTE-TDD         10.25         19.6 %           10234         CAG         LTE-TDD         9.26 %         1216 %           10235         CAG         LTE-TDD         9.26 %         1216 %           10236         CAG         LTE-TDD         10.26 %         1216 %           10237         CAG         LTE-TDD         10.26 %         1216 %           10238         CAG         LTE-TDD         9.21 ± 8.6 %           10239         CAF         LTE-TDD (SC-FDMA, 188, 15 MHz, 64-GAM)         LTE-TDD         9.21 ± 8.6 %           10239         CAF         LTE-TDD (SC-FDMA, 188, 15 MHz, 16-GAM)         LTE-TDD         9.24 ± 9.6 %           10241         CA8         LTE-TDD (SC-FDMA, 50% R8, 14 Hz, 16-GAM)         LTE-TDD         9.86 ± 9.6 %           10242         CA8         LTE-TDD (SC-FDMA, 50% R8, 14 Hz, 16-GAM)         LTE-TDD         9.86 ± 9.6 %           10242         CA8         LTE-TDD (SC-FDMA, 50% R8, 3 MHz, 64-GAM)         LTE-TDD         9.86 ± 9.6 %           10244         CA0         LTE-TDD (SC-FDMA, 50% R8, 3 MHz, 64-GAM)         LTE-TDD         9.06 ± 9.6 %           10246         CAO         LTE-TDD (SC-FDMA, 50% R8, 3 MHz, 64-GAM)         LTE-TDD         9.0 ± 9.6 %           <	10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)			
10234       CAG       LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-OAM)       LTE-TDD       9.21       ± 9.6 %         10235       CAG       LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-OAM)       LTE-TDD       9.21       ± 9.6 %         10238       CAG       LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-OAM)       LTE-TDD       9.21       ± 9.6 %         10238       CAF       LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-OAM)       LTE-TDD       9.22       ± 9.6 %         10240       CAF       LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-OAM)       LTE-TDD       9.22       ± 9.6 %         10240       CAF       LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-OAM)       LTE-TDD       9.82       ± 9.6 %         10242       CAB       LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-OAM)       LTE-TDD       9.82       ± 9.6 %         10244       CAB       LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-OAM)       LTE-TDD       9.46       ± 9.6 %         10244       CAD       LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 0-PSK)       LTE-TDD       10.06       ± 9.6 %         10244       CAG       LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 0-PSK)       LTE-TDD       9.0 ± 9.6 %         10246       CAG       LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 0-PSK)       LTE-TDD       9.0 ± 9.6 %         10246       CAG       LTE-TDD (SC-FDMA, 50%	10233	CAG				
10235       CAG       LTE-TDD       12.07         10236       CAG       LTE-TDD       9.46       12.06         10237       CAG       LTE-TDD       10.25       12.07         10238       CAF       LTE-TDD       10.25       12.06         10239       CAG       LTE-TDD       10.25       12.06         10238       CAF       LTE-TDD       10.25       12.06         10239       CAF       LTE-TDD       10.25       12.06         10240       CAF       LTE-TDD       10.25       12.08         10241       CAB       LTE-TDD       10.25       12.08         10242       CAB       LTE-TDD       12.07       12.08         10242       CAB       LTE-TDD       12.06       12.08         10244       CAB       LTE-TDD       12.06       12.08         10244       CAB       LTE-TDD       10.06       12.08         10244       CAD       LTE-TDD       10.06       12.08         10246       CAD       LTE-TDD       10.06       12.08         10246       CAD       LTE-TDD       10.06       12.08         10246       CAG       LTE-TDD	10234	CAG				
10236         CAG         LTE-TDD         (SG & F)           10237         CAG         LTE-TDD         9.21         ±9.6 %           10238         CAF         LTE-TDD         9.21         ±9.6 %           10238         CAF         LTE-TDD         9.21         ±9.6 %           10239         CAF         LTE-TDD         10.25         ±9.6 %           10240         CAF         LTE-TDD         10.25         ±9.6 %           10240         CAF         LTE-TDD         10.25         ±9.6 %           10240         CAF         LTE-TDD         10.26         ±9.6 %           10241         CAB         LTE-TDD         10.26         ±9.6 %           10242         CAB         LTE-TDD         10.65         ±9.6 %           10243         CAB         LTE-TDD         10.66         ±9.6 %           10244         CAD         LTE-TDD         10.65         ±9.6 %           10245         CAD         LTE-TDD         10.66         ±9.6 %           10246         CAD         LTE-TDD         10.67         ±9.6 %           10246         CAG         LTE-TDD         10.67         ±9.6 %           10246 <td< td=""><td></td><td>CAG</td><td>LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-OAM)</td><td></td><td></td><td></td></td<>		CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-OAM)			
10237         CAG         LTE-TDD         (BC)         (D)						
10238         CAF         LTE-TDD         SC-FOMA         1 B, 15 MHz, 16-QAM)         LTE-TDD         9-48         3-6 %           10239         CAF         LTE-TDD         ISC-FOMA, 1 RB, 15 MHz, QPSK)         LTE-TDD         10.22 ± 9.6 %           10240         CAF         LTE-TDD         ISC-FOMA, 50% RB, 14 MHz, 16-QAM)         LTE-TDD         9.21 ± 9.6 %           10241         CAB         LTE-TDD         ISC-FOMA, 50% RB, 14 MHz, 16-QAM)         LTE-TDD         9.86 ± 9.6 %           10242         CAB         LTE-TDD         ISC-FOMA, 50% RB, 14 MHz, 16-QAM)         LTE-TDD         9.86 ± 9.6 %           10244         CAD         LTE-TDD         ISC-FOMA, 50% RB, 3 MHz, 16-QAM)         LTE-TDD         9.66 ± 9.6 %           10245         CAD         LTE-TDD         ISC-FOMA, 50% RB, 3 MHz, 16-QAM)         LTE-TDD         9.80 ± 9.6 %           10246         CAG         LTE-TDD [SC-FOMA, 50% RB, 5 MHz, 0PSK)         LTE-TDD         9.81 ± 9.6 %           10247         CAG         LTE-TDD [SC-FOMA, 50% RB, 5 MHz, 0PSK)         LTE-TDD         9.81 ± 9.6 %           10248         CAG         LTE-TDD [SC-FOMA, 50% RB, 10 MHz, 16-QAM)         LTE-TDD         9.81 ± 9.6 %           10251         CAG         LTE-TDD [SC-FOMA, 50% RB, 10 MHz, 0PSK)         LTE-TDD						
10239         CAF         LTE-TDD         Soc. FDMA. 1 RB. 15 MHz, G4-DAM)         LTE-TDD         10.20         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.04         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03         13.03		+				
10240         CAF         LTE-TDD (SC-FDMA, 181, 5MHz, OPSK)         LTE-TDD         9.21         2.96 %           10241         CAB         LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM)         LTE-TDD         9.62         1.96 %           10242         CAB         LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM)         LTE-TDD         9.66 %           10243         CAB         LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM)         LTE-TDD         9.66 %           10244         CAD         LTE-TDD (SC-FDMA, 50% RB, 31 MHz, 64-QAM)         LTE-TDD         10.06 1.96 %           10245         CAD         LTE-TDD (SC-FDMA, 50% RB, 31 MHz, 64-QAM)         LTE-TDD         9.96 %           10246         CAG         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)         LTE-TDD         9.91 ± 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, 10 MHz, 04-QAM)         LTE-TDD         9.91 ± 9.6 %           10249         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 04-QAM)         LTE-TDD         9.24 ± 9.6 %           10251         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 04-QAM)         LTE-TDD         9.42 ± 9.6 %           10252         CAG         LTE-TDD (SC-FDMA, 50% RB, 1			LTE-TOD (SC EDMA, 1 BB 15 MHz, 64 OAM)			
10241         CAB         LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 18-QAM)         LTE-TDD         9.86         19.6%           10242         CAB         LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM)         LTE-TDD         9.86         19.6%           10243         CAB         LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM)         LTE-TDD         9.46 ± 9.6 %           10244         CAD         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)         LTE-TDD         10.06 ± 9.6 %           10245         CAD         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)         LTE-TDD         9.30 ± 9.6 %           10247         CAG         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)         LTE-TDD         9.30 ± 9.6 %           10248         CAG         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)         LTE-TDD         9.80 %           10250         CAG         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)         LTE-TDD         9.81 ± 9.6 %           10252         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)         LTE-TDD         9.80 %           10251         CAG         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)         LTE-TDD         9.80 %           10252         CAG         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)         LTE-TDD         9.80 %           10252         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 M			TETDO (SC-EDMA 1 PR 15 MH- OPSK)			
10242         CAB         LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM)         LTE-TDD         9.86         19.6 %           10243         CAB         LTE-TDD (SC-FDMA, 50% RB, 14 MHz, QPSK)         LTE-TDD         9.86 %         19.6 %           10244         CAD         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-TDD         10.06 ± 9.6 %           10245         CAD         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-TDD         9.30 ± 9.6 %           10246         CAG         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         LTE-TDD         9.30 ± 9.6 %           10247         CAG         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         LTE-TDD         9.30 ± 9.6 %           10248         CAG         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         LTE-TDD         9.24 9.6 %           10250         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)         LTE-TDD         9.81 ± 9.6 %           10251         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)         LTE-TDD         9.0 ± 9.6 %           10252         CAG         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, G-QAM)         LTE-TDD         9.0 ± 9.6 %           10255         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, G-QAM)         LTE-TDD         9.0 ± 9.6 %           10256         CAB         LTE-TDD (SC-FDMA, 100% RB						
10243         CAB         LTE-TDD (SC-FDMA, 50% RB, 14 MHz, QPSK)         LTE-TDD         9.46           10244         CAD         LTE-TDD (SC-FDMA, S0% RB, 3 MHz, 16-QAM)         LTE-TDD         10.06         ± 9.6 %           10245         CAD         LTE-TDD (SC-FDMA, S0% RB, 3 MHz, 16-QAM)         LTE-TDD         10.06         ± 9.6 %           10246         CAD         LTE-TDD (SC-FDMA, S0% RB, 3 MHz, 04-QAM)         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         9.29         ± 9.6 %           10250         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)         LTE-TDD         9.21         ± 9.6 %           10252         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 0FAM)         LTE-TDD         9.24         ± 9.6 %           10252         CAG         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)         LTE-TDD         9.04         ± 9.6 %           10252         CAG         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)         LTE-TDD         9.04         ± 9.6 %           10256         CAB         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)         LTE-TDD <td></td> <td></td> <td>LTE-TOD (SC-FDMA, 50% RD, 1.4 WITZ, 10-QAM)</td> <td></td> <td></td> <td></td>			LTE-TOD (SC-FDMA, 50% RD, 1.4 WITZ, 10-QAM)			
10244         CAD         LTE-TDD         S0: 6         H1z.         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, 5 MHz, 16-QAM)         LTE-TDD         9.91         ± 9.6 %           10247         CAG         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)         LTE-TDD         9.91         ± 9.6 %           10249         CAG         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)         LTE-TDD         9.29         ± 9.6 %           10249         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 40-QAM)         LTE-TDD         9.29         ± 9.6 %           10251         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 40-QAM)         LTE-TDD         9.24         ± 9.6 %           10253         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)         LTE-TDD         10.14         ± 9.6 %           10254         CAG         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 0PSK)         LTE-TDD         9.04         ± 9.6 %           10255         CAF         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 0PSK)         LTE-TDD         9.06         ± 9.6 %           10256         CAB         LTE-TDD			LTE-TOD (SC-FDMA, 50% RB, 1.4 MHZ, 64-QAM)			
10245       CAD       LTE-TDD       ISC-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, G4-QAM)       LTE-TDD       9.91       ± 9.6 %         10249       CAG       LTE-TDD (SC-FDMA, 50% RB, 5 MHz, G4-QAM)       LTE-TDD       9.29       ± 9.6 %         10249       CAG       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)       LTE-TDD       9.29       ± 9.6 %         10250       CAG       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, G4-QAM)       LTE-TDD       9.1 ± 9.6 %         10251       CAG       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, G4-QAM)       LTE-TDD       9.1 ± 9.6 %         10252       CAG       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM)       LTE-TDD       9.0 ± 9.6 %         10254       CAF       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM)       LTE-TDD       9.0 ± 9.6 %         10255       CAB       LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)       LTE-TDD       9.0 ± 9.6 %         10255       CAB       LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 20-QAM)       LTE-TDD       9.0 ± 9.6 %         10256       CAB       LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)       LT			LTE-TOD (SO-FDIMA, 50% RB, 1.4 MHZ, UPSK)			
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, 40-QAM)         LTE-TDD         9.91         ± 9.6 %           10249         CAG         LTE-TDD         (SC-FDMA, 50% RB, 5 MHz, 40-QAM)         LTE-TDD         9.21         ± 9.6 %           10250         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 40-QAM)         LTE-TDD         9.81         ± 9.6 %           10251         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 40-QAM)         LTE-TDD         9.02         ± 9.6 %           10252         CAG         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 40-QAM)         LTE-TDD         9.02         ± 9.6 %           10254         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 40-QAM)         LTE-TDD         9.02         ± 9.6 %           10255         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 40-QAM)         LTE-TDD         9.04         ± 9.6 %           10256         CAB         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK)         LTE-TDD         9.04         ± 9.6 %           10257         <		1				
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, 0PSK)         LTE-TDD         9.29         ± 9.6 %           10250         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)         LTE-TDD         9.81         ± 9.6 %           10251         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)         LTE-TDD         10.17         ± 9.6 %           10252         CAG         LTE-TDD (SC-FDMA, 50% RB, 16 MHz, QPSK)         LTE-TDD         9.01         ± 9.6 %           10254         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)         LTE-TDD         9.01         ± 9.6 %           10255         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)         LTE-TDD         9.02         ± 9.6 %           10256         CAB         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK)         LTE-TDD         9.06 ± 9.6 %           10257         CAB         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 46-QAM)         LTE-TDD         9.08 ± 9.6 %           10258         CAB         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 46-QAM)         LTE-TDD         9						
10248         CAG         LTE-TDD         (SC-FDMA, 50% RB, 5 MHz, 64-QAM)         LTE-TDD         3.0.9         ± 9.6 %           10249         CAG         LTE-TDD         (SC-FDMA, 50% RB, 5 MHz, 64-QAM)         LTE-TDD         9.29         ± 9.6 %           10250         CAG         LTE-TDD         (SC-FDMA, 50% RB, 10 MHz, 64-QAM)         LTE-TDD         9.281         ± 9.6 %           10251         CAG         LTE-TDD         (SC-FDMA, 50% RB, 10 MHz, 64-QAM)         LTE-TDD         9.24         ± 9.6 %           10252         CAG         LTE-TDD         (SC-FDMA, 50% RB, 15 MHz, 64-QAM)         LTE-TDD         9.90         ± 9.6 %           10253         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)         LTE-TDD         9.00         ± 9.6 %           10255         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)         LTE-TDD         9.26 ± 9.6 %           10256         CAB         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM)         LTE-TDD         9.06 ± 9.6 %           10258         CAB         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM)         LTE-TDD         9.08 ± 9.6 %           10259         CAD         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)         LTE-TDD         9.3 ± 9.6 %           10259         CAB         LTE-TDD (SC-FDMA, 100	the second se		LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)		9.30	± 9.6 %
10249         CAG         LTE-TDD         9.29         19.6 %           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, QPSK)         LTE-TDD         9.24         ±9.6 %           10252         CAG         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM)         LTE-TDD         9.90         ±9.6 %           10253         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM)         LTE-TDD         9.90         ±9.6 %           10254         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM)         LTE-TDD         9.90         ±9.6 %           10255         CAF         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, GPSK)         LTE-TDD         9.96         ±9.6 %           10256         CAB         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, G4-QAM)         LTE-TDD         9.96         ±9.6 %           10257         CAB         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)         LTE-TDD         9.98         ±9.6 %           10260         CAD         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK)         LTE-TDD         9.98         ±9.6 %           10261         CAD         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, G4-QAM)         LTE-TDD         9.96 %         ±9.6			LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)		9.91	± 9.6 %
10250         CAG         LTE-TDD         ISC-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, 0PSK)         LTE-TDD         9.90         ± 9.6 %           10253         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 0PSK)         LTE-TDD         9.90         ± 9.6 %           10254         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 0PSK)         LTE-TDD         9.90         ± 9.6 %           10255         CAF         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM)         LTE-TDD         9.90         ± 9.6 %           10256         CAB         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM)         LTE-TDD         9.96         ± 9.6 %           10257         CAB         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)         LTE-TDD         9.96         ± 9.6 %           10259         CAD         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)         LTE-TDD         9.98         ± 9.6 %           10261         CAD         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)         LTE-TDD         9.97         ± 9.6 %           10262         CAG         LTE-TDD (SC-FDMA, 100% RB, 5 MH			LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10251         CAG         LTE-TDD         SC-FDMA, 50% RB, 10 MHz, 64-0AM)         LTE-TDD         10.17         ± 9.6 %           10252         CAG         LTE-TDD         SC-FDMA, 50% RB, 10 MHz, QPSK)         LTE-TDD         9.24         ± 9.6 %           10253         CAF         LTE-TDD         SC-FDMA, 50% RB, 15 MHz, 16-0AM)         LTE-TDD         9.20         ± 9.6 %           10254         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)         LTE-TDD         9.20         ± 9.6 %           10255         CAF         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK)         LTE-TDD         9.20         ± 9.6 %           10256         CAB         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK)         LTE-TDD         9.06         ± 9.6 %           10257         CAB         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK)         LTE-TDD         9.34         ± 9.6 %           10258         CAB         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 0PSK)         LTE-TDD         9.97         ± 9.6 %           10260         CAG         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)         LTE-TDD         9.97         ± 9.6 %           10261         CAG         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)         LTE-TDD         9.24         ± 9.6 %           10262         CAG         LTE		*		LTE-TDD	9.29	±9.6 %
10252         CAG         LTE-TDD         SC-FDMA, 50% RB, 10 MHz, QPSK)         LTE-TDD         9.24         ± 9.6 %           10253         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)         LTE-TDD         9.90         ± 9.6 %           10254         CAF         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)         LTE-TDD         9.20         ± 9.6 %           10255         CAF         LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM)         LTE-TDD         9.20         ± 9.6 %           10256         CAB         LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)         LTE-TDD         9.96         ± 9.6 %           10258         CAB         LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)         LTE-TDD         9.94         ± 9.6 %           10259         CAD         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)         LTE-TDD         9.98         ± 9.6 %           10261         CAD         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)         LTE-TDD         9.97         ± 9.6 %           10262         CAG         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)         LTE-TDD         9.83         ± 9.6 %           10264         CAG         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)         LTE-TDD         9.6 %           10265         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)			LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10253       CAF       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)       LTE-TDD       9.90       ± 9.6 %         10254       CAF       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)       LTE-TDD       10.14       ± 9.6 %         10255       CAF       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 0PSK)       LTE-TDD       9.90       ± 9.6 %         10256       CAB       LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 0FQAM)       LTE-TDD       9.96       ± 9.6 %         10257       CAB       LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 0FQAM)       LTE-TDD       9.96       ± 9.6 %         10258       CAB       LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 0PSK)       LTE-TDD       9.98       ± 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, 04-QAM)       LTE-TDD       9.98       ± 9.6 %         10261       CAD       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM)       LTE-TDD       9.83       ± 9.6 %         10262       CAG       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM)       LTE-TDD       9.83       ± 9.6 %         10263       CAG       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)       LTE-TDD       9.0 8%       1046 8%         10264			LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10254       CAF       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, GA-QAM)       LTE-TDD       10.14       ± 9.6 %         10255       CAF       LTE-TDD (SC-FDMA, 50% RB, 14 MHz, GPSK)       LTE-TDD       9.20       ± 9.6 %         10256       CAB       LTE-TDD (SC-FDMA, 100% RB, 14 MHz, GA-QAM)       LTE-TDD       9.96       ± 9.6 %         10257       CAB       LTE-TDD (SC-FDMA, 100% RB, 14 MHz, GA-QAM)       LTE-TDD       9.96       ± 9.6 %         10258       CAB       LTE-TDD (SC-FDMA, 100% RB, 14 MHz, GPSK)       LTE-TDD       9.98       ± 9.6 %         10259       CAD       LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK)       LTE-TDD       9.98       ± 9.6 %         10260       CAD       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GPSK)       LTE-TDD       9.97       ± 9.6 %         10261       CAD       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GA-QAM)       LTE-TDD       9.24       ± 9.6 %         10262       CAG       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)       LTE-TDD       9.23       ± 9.6 %         10264       CAG       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)       LTE-TDD       9.23       ± 9.6 %         10264       CAG       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)       LTE-TDD       9.23       ± 9.6 %         10266 <td< td=""><td></td><td></td><td>LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)</td><td>LTE-TDD</td><td>9.24</td><td>± 9.6 %</td></td<>			LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 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 %           10258         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, 64-QAM)         LTE-TDD         9.34         ± 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, 16-QAM)         LTE-TDD         9.97         ± 9.6 %           10261         CAD         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM)         LTE-TDD         9.83         ± 9.6 %           10262         CAG         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM)         LTE-TDD         9.83         ± 9.6 %           10263         CAG         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM)         LTE-TDD         9.23         ± 9.6 %           10264         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)         LTE-TDD         9.02         ± 9.6 %           10265         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz			LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 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       9.06       ± 9.6 %         10257       CAB       LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)       LTE-TDD       9.34       ± 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 %         10261       CAD       LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GA-QAM)       LTE-TDD       9.97       ± 9.6 %         10261       CAD       LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GA-QAM)       LTE-TDD       9.24       ± 9.6 %         10262       CAG       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GA-QAM)       LTE-TDD       9.83       ± 9.6 %         10264       CAG       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GA-QAM)       LTE-TDD       9.24       ± 9.6 %         10265       CAG       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GA-QAM)       LTE-TDD       9.23       ± 9.6 %         10266       CAG       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GA-QAM)       LTE-TDD       9.26       ± 9.6 %         10267		CAF		LTE-TDD	10.14	
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, 3 MHz, QPSK)       LTE-TDD       9.34       ± 9.6 %         10259       CAD       LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)       LTE-TDD       9.97       ± 9.6 %         10260       CAD       LTE-TDD (SC-FDMA, 100% RB, 3 MHz, G4-QAM)       LTE-TDD       9.97       ± 9.6 %         10261       CAD       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, G4-QAM)       LTE-TDD       9.24       ± 9.6 %         10262       CAG       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, G4-QAM)       LTE-TDD       9.83       ± 9.6 %         10263       CAG       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, G4-QAM)       LTE-TDD       9.23       ± 9.6 %         10264       CAG       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)       LTE-TDD       9.20       ± 9.6 %         10265       CAG       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM)       LTE-TDD       10.07       ± 9.6 %         10266       CAG       LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-QAM)       LTE-TDD       10.06       ± 9.6 %         10267 </td <td>10255</td> <td>CAF</td> <td>LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)</td> <td>LTE-TDD</td> <td>9.20</td> <td></td>	10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	
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, 3 MHz, 16-QAM)       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, 40-AM)       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, QPSK)       LTE-TDD       9.23       ± 9.6 %         10264       CAG       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)       LTE-TDD       9.23       ± 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, 64-QAM)       LTE-TDD       9.22       ± 9.6 %         10266       CAG       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)       LTE-TDD       10.07       ± 9.6 %         10268       CAF       LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)       LTE-TDD       10.08       ± 9.6 %         10268       <	10256	CAB			9.96	
10258         CAB         LTE-TDD         (SC-FDMA, 100% RB, 3 MHz, 16-QAM)         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, 64-QAM)         LTE-TDD         9.24         ± 9.6 %           10262         CAG         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)         LTE-TDD         9.83         ± 9.6 %           10263         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)         LTE-TDD         9.23         ± 9.6 %           10264         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)         LTE-TDD         9.21         ± 9.6 %           10266         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)         LTE-TDD         9.00         ± 9.6 %           10267         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GPSK)         LTE-TDD         10.07         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         LTE-TDD         10.01         ± 9.6 %           10267         CAG         LTE-TDD (SC-FDMA, 1	10257	CAB		÷		
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, 16-QAM)       LTE-TDD       9.83       ± 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       9.22       ± 9.6 %         10266       CAG       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)       LTE-TDD       10.07       ± 9.6 %         10267       CAG       LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)       LTE-TDD       10.06       ± 9.6 %         10268       CAF       LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)       LTE-TDD       10.13       ± 9.6 %         10270       CAF       LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)       LTE-TDD       9.58       ± 9.6 %         10276	10258	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, OPSK)	the second s		
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         9.24         ± 9.6 %           10263         CAG         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)         LTE-TDD         9.23         ± 9.6 %           10264         CAG         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 0PSK)         LTE-TDD         9.23         ± 9.6 %           10265         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)         LTE-TDD         9.23         ± 9.6 %           10266         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)         LTE-TDD         10.07         ± 9.6 %           10267         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 0PSK)         LTE-TDD         10.07         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPS		CAD		*		
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         9.83         ± 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, QPSK)         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         10.06         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-QAM)         LTE-TDD         10.06         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         10.13         ± 9.6 %           10274         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)         WCDMA         4.87         ± 9.6 %           10275         CAB         UMTS-FDD (HSUPA, Subtest						
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, 16-QAM)         LTE-TDD         9.92         ± 9.6 %           10267         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 04-QAM)         LTE-TDD         10.07         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM)         LTE-TDD         9.30         ± 9.6 %           10269         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM)         LTE-TDD         10.08         ± 9.6 %           10270         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 %           10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP R						
10263       CAG       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)       LTE-TDD       10.16       ± 9.6 %         10264       CAG       LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)       LTE-TDD       9.23       ± 9.6 %         10265       CAG       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)       LTE-TDD       9.92       ± 9.6 %         10266       CAG       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)       LTE-TDD       10.07       ± 9.6 %         10267       CAG       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)       LTE-TDD       9.30       ± 9.6 %         10268       CAF       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)       LTE-TDD       10.06       ± 9.6 %         10269       CAF       LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)       LTE-TDD       10.13       ± 9.6 %         10270       CAF       LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)       LTE-TDD       9.58       ± 9.6 %         10274       CAB       UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)       WCDMA       4.87       ± 9.6 %         10275       CAB       UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)       WCDMA       3.96       ± 9.6 %         10279       CAA       PHS (QPSK)       PHS       11.81       ± 9.6 %         10279       CAA       PHS (QPSK,		CAG	LTE-TDD (SC-EDMA 100% RB 5 MHz 16-0AM)			
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         9.92         ± 9.6 %           10267         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM)         LTE-TDD         9.30         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-QAM)         LTE-TDD         9.30         ± 9.6 %           10269         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-QAM)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-QAM)         LTE-TDD         9.58         ± 9.6 %           10274         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)         WCDMA         4.87         ± 9.6 %           10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)         WCDMA         3.96         ± 9.6 %           10277         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS						
10265         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)         LTE-TDD         9.92         ± 9.6 %           10266         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)         LTE-TDD         10.07         ± 9.6 %           10267         CAG         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)         LTE-TDD         9.30         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)         LTE-TDD         10.06         ± 9.6 %           10269         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         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 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ± 9.6 %           10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91			LTE-TDD (SC-FDMA 100% RB 5 MHz OPSK)			
10266         CAG         LTE-TDD         (SC-FDMA, 100% RB, 10 MHz, 64-QAM)         LTE-TDD         10.07         ± 9.6 %           10267         CAG         LTE-TDD         (SC-FDMA, 100% RB, 10 MHz, QPSK)         LTE-TDD         9.30         ± 9.6 %           10268         CAF         LTE-TDD         (SC-FDMA, 100% RB, 15 MHz, 16-QAM)         LTE-TDD         10.06         ± 9.6 %           10269         CAF         LTE-TDD         (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         9.58         ± 9.6 %           10274         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)         WCDMA         4.87         ± 9.6 %           10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)         WCDMA         3.96         ± 9.6 %           10277         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10278         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ± 9.6 %           10290         AAB         CDMA2000, RC1,						
10267       CAG       LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)       LTE-TDD       9.30       ± 9.6 %         10268       CAF       LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)       LTE-TDD       10.06       ± 9.6 %         10269       CAF       LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)       LTE-TDD       10.13       ± 9.6 %         10270       CAF       LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)       LTE-TDD       10.13       ± 9.6 %         10270       CAF       LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)       LTE-TDD       9.58       ± 9.6 %         10274       CAB       UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)       WCDMA       4.87       ± 9.6 %         10275       CAB       UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)       WCDMA       3.96       ± 9.6 %         10277       CAA       PHS (QPSK)       PHS       11.81       ± 9.6 %         10278       CAA       PHS (QPSK, BW 884MHz, Rolloff 0.5)       PHS       11.81       ± 9.6 %         10279       CAA       PHS (QPSK, BW 884MHz, Rolloff 0.38)       PHS       12.18       ± 9.6 %         10290       AAB       CDMA2000, RC1 SO55, Full Rate       CDMA2000       3.91       ± 9.6 %         10291       AAB       CDMA2000, RC3 SO32, Full Rate					-	
10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)         LTE-TDD         10.06         ± 9.6 %           10269         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         9.58         ± 9.6 %           10274         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)         WCDMA         4.87         ± 9.6 %           10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)         WCDMA         3.96         ± 9.6 %           10277         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10278         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         12.18         ± 9.6 %           10290         AAB         CDMA2000, RC1. SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10291         AAB         CDMA2000, RC3. SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10292         AAB         CDMA2000, RC3. SO3, Full Rate         CDMA2000         3.50         ± 9.6 % </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10269         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         9.58         ± 9.6 %           10274         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)         WCDMA         4.87         ± 9.6 %           10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)         WCDMA         3.96         ± 9.6 %           10277         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10278         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         12.18         ± 9.6 %           10290         AAB         CDMA2000, RC1. SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10291         AAB         CDMA2000, RC3. SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10292         AAB         CDMA2000, RC3. SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10292         AAB         CDMA2000, RC3. SO3, Full Rate         CDMA2000         3.50         ± 9.6 %			1 TE-TOD (SC-EDMA 100% PB 45 MU- 40 0AM)			
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 Rel8.10)         WCDMA         3.96         ± 9.6 %           10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)         WCDMA         3.96         ± 9.6 %           10277         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10278         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         12.18         ± 9.6 %           10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10291         AAB         CDMA2000, RC3, SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 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 %           10292         AAB         CDMA2000, RC3. SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10292         AAB         CDMA2000, RC3. SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10292         AAB         CDMA2000, RC3. SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10293						
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       11.81       ± 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 %         10292       AAB       CDMA2000, RC3. SO3, Full Rate       CDMA2000       3.50       ± 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 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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         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 %           10292         AAB         CDMA2000, RC3. SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10292         AAB         CDMA2000, RC3. SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10293         AAB         CDMA2000, RC1. SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10295         AAB         CDMA2000, RC1. SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10297 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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, SO35, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10295         AAB         CDMA2000, RC1, SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %						
10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         12.18         ± 9.6 %           10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10291         AAB         CDMA2000, RC3, SO55, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10293         AAB         CDMA2000, RC1, SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10295         AAB         CDMA2000, RC1, SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %						
10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10291         AAB         CDMA2000, RC3, SO55, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10295         AAB         CDMA2000, RC1, SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %						
10291         AAB         CDMA2000, RC3. SO55, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3. SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3. SO32, Full Rate         CDMA2000         3.50         ± 9.6 %           10295         AAB         CDMA2000, RC1. SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %		· · · · · · · · · · · · · · · · · · ·				
10292         AAB         CDMA2000, RC3. SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3. SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           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 %						
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 %						
10295         AAB         CDMA2000, RC1. SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %				CDMA2000	3.39	± 9.6 %
10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %				CDMA2000	3.50	± 9.6 %
10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %		AAB		CDMA2000		
10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 %		AAD		LTE-FDD	5.81	
				LTE-FDD		
	10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)			

10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6 %
0301	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 symbols)	WIMAX	12.57	±9.6 %
0303	AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6 %
0304	AAA	IEEE 802,16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6 %
0305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	±9.6 %
0306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	WiMAX	14.67	± 9.6 %
0307	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	WiMAX	14.49	± 9.6 %
0308	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	±9.6 %
0309	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 %
10313	AAA	iDEN 1:6	IDEN	13.48	± 9.6 %
10314	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	± 9.6 %
10315	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10316	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10317	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
	AAA	Pulse Waveform (200Hz, 10%)	Generic	6.99	± 9.6 %
10353		Pulse Waveform (200Hz, 20%) Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%) Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10356	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10387	AAA		Generic	5.22	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	6.27	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	WLAN	8.37	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	CDMA2000	3.76	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.77	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	5.22	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	LTE-TDD	7.82	± 9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LIL-IUU	1.02	- 0.0 /
		Subframe=2,3,4,7,8,9, Subframe Conf=4)	Generic	8.54	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	WLAN	1.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	8.23	± 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) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.14	± 9.6 %
10418	AAA	Long preambule)	WLAN	8.19	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.32	± 9.6 9
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.47	± 9.6 °
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)		8.40	± 9.6
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.41	± 9.6
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN WLAN	8.45	± 9.6
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)		8.45	± 9.6
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN		± 9.6
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.82	± 9.6
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6
10447	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6
10449	AAC		LTE-FDD	7.51	± 9.6
10443	AAC		LTE-FDD	7.48	± 9.6

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10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3.4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3.4,7,8,9)	LTE-TDD	8.30	± 9.6 %
10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.56	± 9.6 %
10464	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4.7,8,9)	LTE-TDD	7.82	±9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4.7,8,9)	LTE-TDD	8.32	± 9.6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4.7,8,9)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4.7,8,9)	LTE-TDD	8.32	± 9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4.7,8,9)	LTE-TDD	7.82	±9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4.7,8,9)	LTE-TDD	8.32	±9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10478 10479	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4.7,8,9)	LTE-TDD	8.57	± 9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL <u>Subframe=2,3,4.7,8,9)</u> LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	7.74	± 9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 % ± 9.6 %
10482		LTE-TDD (SC-FDMA, 30% RB, 3 MHz, QPSK, UL			
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL	LTE-TDD	7.71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.39 8.47	± 9.6 %
10484	AAF	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, 0L Subframe=2,3,4,7.8,9) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL		7.59	± 9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSR, 6L Subframe=2,3,4,7.8,9) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.38	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 70-QAM, UL Subframe=2,3,4,7.8,9) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL		8.60	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, 0L Subframe=2,3,4,7.8,9) LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL		7.70	± 9.6 %
10489	AAF	LTE-TDD (SC-FDMA, 30% RB, 10 MHz, QFSR, 0L Subframe=2,3,4,7.8,9) LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
10490	AAF	Subframe=2,3,4,7.8,9) LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10491	AAE	Subframe=2,3,4,7.8,9) LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
· · · · · · ·		Subframe=2,3,4,7,8,9)		- ++ T	

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10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL	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 Subframe=2,2,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
0498	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	± 9.6 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	± 9.6 %
10500	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 Subframe=2,3,4,7,8,9)	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-TDD	8.49	± 9.6 %
10511	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.51	± 9.6 %
10512	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10513	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.42	± 9.6 %
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 9
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 9
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
	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	± 9.6
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6
10525		IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	± 9.6
10526	AAD				± 9.6
10526 10527	AAB	LEEE 802 1100 WIEi (20MUz MCS3, 9900 duty cycle)	WLAN	0.30	1 2 3.0
10526 10527 10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN WLAN	8.36	
10526 10527 10528 10529	AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6
10526 10527 10528 10529 10531	AAB AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN WLAN	8.36 8.43	± 9.6 ± 9.6
10526 10527 10528 10529	AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 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	$\pm 9.6\%$
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	
			VYLAN	0.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	8.45	± 9.6 %
1				0.45	1 9.0 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	8.13	± 9.6 %
		cycle)		0.15	1 9.0 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
			**67.14	0.00	1 9.0 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	± 9.6 %
				0.07	1 0.0 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	± 9.6 %
				0.10	1 0.0 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
		cycle)		0.00	
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 %
		cycle)		0.09	± 3.0 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	± 9.6 %
		cvcle)	TTERNY	0.00	1 3.0 /0
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	± 9.6 %
		Cycle)		0.70	± 3.0 /0
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
		CYCle)		0.43	1 9.0 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	±9.6 %
100/9		CYCle)		0.50	± 9.0 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	8.76	±9.6 %
		cvcle)		0.70	1 9.0 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	± 9.6 %
		cycle)		0.00	± 3.0 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	± 9.6 %
10002		cycle)		0.07	1 3.0 /0
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/n WIFIS GHZ (OFDM, 9 Mops, 90pc duty cycle)	WLAN	8.60	± 9.6 %
10586	AAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN		
10587	AAB	IEEE 802.11a/1 WH15 GH2 (OFDM, 16 Mbps, 90pc duty cycle)	WLAN	8.49 8.36	± 9.6 % ± 9.6 %
				0.00	1 J.O 70

10588	AAB	IEEE 802.11a/n 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, 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	<u>    8.86    </u>	<u>±9.6 %</u>
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	<u>8.77</u>	±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	<u>    8.82    </u>	±9.6%
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10640	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 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10645	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647		CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10648		LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10653		LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10654	AAD	LIE-IUU (UPUMA, 13 MITZ, E-IM 3.1, Cilipping 44%)		0.00	

40055					
<u>10655</u>	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6%
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc 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		IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.62	± 9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.78	<u>± 9.6</u> %
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)	WLÂN	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)		8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10708 10709	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 %
	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		IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)	WLAN	8.55	± 9.6 %
40700	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10723					
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10724 10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10724					

D/SS         Ava.         LEEE 802.118.         COMMER, INCS10. Spoc dury cycle)         WLAN         8.67         4.98.%           10730         Ava.         LEEE 802.118.         COMMEL, INCS0. Spot dury cycle)         WLAN         8.67         1.98.%           10731         Ava.         LEEE 802.118.         COMMEL, INCS0. Spot dury cycle)         WLAN         8.67         1.98.%           10732         Ava.         LEEE 802.118.         COMMEL, INCS2. Spot dury cycle)         WLAN         8.46         1.98.%           10732         Ava.         LEEE 802.118.         COMMEL, INCS2. Spot dury cycle)         WLAN         8.25         1.98.%           10732         Ava.         LEEE 802.118.         COMMEL, INCS2. Spot dury cycle)         WLAN         8.27         1.98.%           10735         Ava.         LEEE 802.118.         COMMEL, INCS8. Spot dury cycle)         WLAN         8.27         1.98.%           10735         Ava.         LEEE 802.118.         COMMEL, INCS8. Spot dury cycle)         WLAN         8.42         1.98.%           10736         Ava.         LEEE 802.118.         COMMEL, INCS9. Spot dury cycle)         WLAN         8.48         1.98.%           10746         Ava.         LEEE 802.118.         COMMEL, INCS9. Spot dury cycle)					0.05	
10753         AAA         1055         Page 2007         Page 2007         Page 2007         Page 2007           10731         AAA         IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)         WLAN         8.42         4.96.%           10732         AAA         IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)         WLAN         8.42         4.96.%           10733         AAA         IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)         WLAN         8.42         4.96.%           10734         AAA         IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)         WLAN         8.23         1.86.%           10735         AAA         IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)         WLAN         8.32         1.86.%           10736         AAA         IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)         WLAN         8.24         2.86.%           10737         AAA         IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)         WLAN         8.42         2.86.%           10738         AAA         IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)         WLAN         8.42         2.86.%           10744         AAA         IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)         WLAN         8.42         2.86.%           10744         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)		AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	± 9.6 %
10732         AAA         LEEE 802.118x (E0MHz, INCSD, 99pc duty cycle)         WLAN         8.46         ± 9.8 %           10732         AAA         IEEE 802.118x (E0MHz, INCSZ, 99pc duty cycle)         WLAN         8.46         ± 9.8 %           10732         AAA         IEEE 802.118x (E0MHz, INCSZ, 99pc duty cycle)         WLAN         8.46         ± 9.8 %           10735         AAA         IEEE 802.118x (E0MHz, INCSZ, 99pc duty cycle)         WLAN         8.27         ± 9.8 %           10736         AAA         IEEE 802.118x (E0MHz, INCSS, 99pc duty cycle)         WLAN         8.27         ± 9.8 %           10737         AAA         IEEE 802.118x (E0MHz, INCSS, 99pc duty cycle)         WLAN         8.42         ± 9.8 %           10738         AAA         IEEE 802.118x (E0MHz, INCSS, 99pc duty cycle)         WLAN         8.48         ± 9.8 %           10741         AAA         IEEE 802.118x (E0MHz, INCS1, 90pc duty cycle)         WLAN         8.48         ± 9.8 %           10742         AAA         IEEE 802.118x (E0MHz, INCS1, 90pc duty cycle)         WLAN         8.43         ± 9.8 %           10744         AAA         IEEE 802.118x (E0MHz, INCS1, 90pc duty cycle)         WLAN         8.43         ± 9.8 %           10744         AAA         IEEE 802.118x (E0MHz, INCS1,			IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)			
D/D2         AVA         DEC         DEC <thdec< th=""> <thdec< th=""></thdec<></thdec<>			IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)			
DATA         DATA         DESC         DATA         DESC         DATA         DESC         DATA         DESC         DATA         DESC         DESC <thdesc< th="">         DESC         DESC         <thd< td=""><td></td><td></td><td>IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)</td><td></td><td></td><td></td></thd<></thdesc<>			IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)			
10733         AA         125         126         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128         128 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10.73         Ava.         LEEE 002:110x (000HL2, MCS4, 00pc disty cycle)         WLAN         8.33         1.9.8 %           10.736         AAA         IEEE 002:110x (000HL2, MCS5, 90pc disty cycle)         WLAN         8.27         1.9.8 %           10.737         AAA         IEEE 002:110x (000HL2, MCS5, 90pc disty cycle)         WLAN         8.27         1.9.8 %           10.738         AAA         IEEE 002:110x (000HL2, MCS8, 90pc disty cycle)         WLAN         8.42         9.8 %           10.738         AAA         IEEE 002:110x (000HL2, MCS8, 90pc disty cycle)         WLAN         8.42         9.8 %           10.734         AAA         IEEE 002:110x (000HL2, MCS8, 90pc disty cycle)         WLAN         8.44         9.8 %           10.744         AAA         IEEE 002:110x (000HL2, MCS3, 00pc disty cycle)         WLAN         8.40         ±9.8 %           10.744         AAA         IEEE 002:110x (100HL2, MCS3, 00pc disty cycle)         WLAN         8.94         ±9.8 %           10.744         AAA         IEEE 002:110x (100HL2, MCS3, 00pc disty cycle)         WLAN         9.04         ±9.8 %           10.744         AAA         IEEE 002:110x (100HL2, MCS3, 00pc disty cycle)         WLAN         9.04         ±9.6 %           10.744         AAA         IEEE 002:110x (100						
10/35         Ava         IEEE 802:1182 (300Hz), INCSS, 399:240, 92:45)         WLAN         8.27         19.8 %           10/35         Ava         IEEE 802:1182 (300Hz, INCSS, 399:240, 92:45)         WLAN         8.36         19.6 %           10/36         Ava         IEEE 802:1182 (300Hz, INCSS, 399:240, 92:45)         WLAN         8.42         19.6 %           10/38         Ava         IEEE 802:1182 (300Hz, INCSS, 399:240, 92:45)         WLAN         8.42         19.6 %           10/39         Ava         IEEE 802:1182 (300Hz, INCSS, 399:240, 92:45)         WLAN         8.42         19.6 %           10/41         Ava         IEEE 802:1182 (300Hz, INCSS, 399:240, 92:45)         WLAN         8.42         19.6 %           10/42         Ava         IEEE 802:1182 (300Hz, INCSS, 399:240, 92:46)         WLAN         8.43         19.6 %           10/44         Ava         IEEE 802:1182 (300Hz, INCSS, 399:240, 92:46)         WLAN         8.14         2.8 %           10/44         Ava         IEEE 802:1182 (100Hz, INCSS, 399:240, 92:46)         WLAN         8.13         2.8 6 %           10/44         Ava         IEEE 802:1182 (100Hz, INCSS, 399:240, 92:46)         WLAN         8.9 4         2.8 6 %           10/44         Ava         IEEE 802:1182 (100Hz, INCSS, 399:240, 92:46) </td <td></td> <td>- ·</td> <td></td> <td></td> <td></td> <td></td>		- ·				
10/37         AAA         IEEE 802:11ex (80MHz, MCS6, 80pc duty cycle)         WLAN         8.36         1.9.8.%           10738         AAA         IEEE 802:11ex (80MHz, MCS8, 89pc duty cycle)         WLAN         8.42         9.8.%           10739         AAA         IEEE 802:11ex (80MHz, MCS8, 89pc duty cycle)         WLAN         8.42         9.8.%           10740         AAA         IEEE 802:11ex (80MHz, MCS1, 89pc duty cycle)         WLAN         8.43         ± 9.8.%           10741         AAA         IEEE 802:11ex (80MHz, MCS1, 99pc duty cycle)         WLAN         8.43         ± 9.8.%           10742         AAA         IEEE 802:11ex (160MHz, MCS3, 90pc duty cycle)         WLAN         8.43         ± 9.8.%           10743         AAA         IEEE 802:11ex (160MHz, MCS3, 90pc duty cycle)         WLAN         8.94         ± 9.8.%           10745         AAA         IEEE 802:11ex (160MHz, MCS3, 90pc duty cycle)         WLAN         8.93         ± 9.8.%           10746         AAA         IEEE 802:11ex (160MHz, MCS3, 90pc duty cycle)         WLAN         8.93         ± 9.8.%           10747         AAA         IEEE 802:11ex (160MHz, MCS3, 90pc duty cycle)         WLAN         8.93         ± 9.8.%           10750         AAA         IEEE 802:11ex (160MHz, MCS3, 90pc duty			EEE 802.11ax (80MHz, MCS4, 99pc duty cycle)			
10/32         Ama         IEEE 002:11ax (00MHz, MCSY, 00pc duty cycle)         WLAN         8.42         ± 9.6 %           10/73         AAA         IEEE 002:11ax (00MHz, MCSB, 90pc duty cycle)         WLAN         8.29         ± 9.6 %           10/74         AAA         IEEE 02:11ax (00MHz, MCSB, 90pc duty cycle)         WLAN         8.49         ± 9.6 %           10/74         AAA         IEEE 02:11ax (00MHz, MCSB, 90pc duty cycle)         WLAN         8.44         ± 9.6 %           10/74         AAA         IEEE 02:11ax (100MHz, MCSB, 00pc duty cycle)         WLAN         8.43         ± 9.6 %           10/74         AAA         IEEE 02:11ax (100MHz, MCSB, 00pc duty cycle)         WLAN         9.16         ± 9.6 %           10/74         AAA         IEEE 02:11ax (100MHz, MCSB, 00pc duty cycle)         WLAN         9.16         ± 9.6 %           10/74         AAA         IEEE 02:11ax (100MHz, MCSB, 00pc duty cycle)         WLAN         9.16         ± 9.6 %           10/74         AAA         IEEE 02:11ax (100MHz, MCSB, 00pc duty cycle)         WLAN         9.16         ± 9.6 %           10/74         AAA         IEEE 02:11ax (100MHz, MCSB, 00pc duty cycle)         WLAN         8.91         ± 9.6 %           10/74         AAA         IEEE 02:11ax (100MHz, MCSB, 00pc duty cyc			IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)			
10.39         AAA         LEEE 002:11ax (100HHz, MCSB, 99ac duty cycle)         WLAN         8.29         1.9.6 %           10739         AAA         LEEE 002:11ax (100HHz, MCSB, 99ac duty cycle)         WLAN         8.44         1.9.6 %           10741         AAA         LEEE 02:11ax (100HHz, MCS1), 99ac duty cycle)         WLAN         8.44         1.9.6 %           10741         AAA         LEEE 02:11ax (100HHz, MCS1), 99ac duty cycle)         WLAN         8.44         1.9.6 %           10742         AAA         LEEE 02:11ax (100HHz, MCS1), 90ac duty cycle)         WLAN         8.94         1.9.6 %           10743         AAA         LEEE 02:11ax (100HHz, MCS3, 90ac duty cycle)         WLAN         9.14         9.83         1.9.6 %           10744         AAA         LEEE 02:11ax (100HHz, MCS3, 90ac duty cycle)         WLAN         9.04         9.83         1.9.6 %           10747         AAA         LEEE 02:11ax (100HHz, MCS3, 90ac duty cycle)         WLAN         8.03         1.9.6 %           10748         AAA         LEEE 02:11ax (100HHz, MCS3, 90ac duty cycle)         WLAN         8.04         1.9.6 %           10757         AAA         LEEE 02:11ax (100HHz, MCS3, 90ac duty cycle)         WLAN         8.24         1.9.6 %           10757         AAA						
10730         AAA         LEEE 002-11ax (200ML2, MCS0, 09pc duty cycle)         WLAN         8.44         ± 9.6 %           10741         AAA         LEEE 802-11ax (200ML2, MCS1, 09pc duty cycle)         WLAN         8.44         ± 9.6 %           10742         AAA         LEEE 802-11ax (100ML2, MCS1, 09pc duty cycle)         WLAN         8.43         ± 9.6 %           10742         AAA         LEEE 802-11ax (100ML2, MCS1, 09pc duty cycle)         WLAN         8.43         ± 9.6 %           10743         AAA         LEEE 802-11ax (100ML2, MCS1, 09pc duty cycle)         WLAN         8.16         ± 9.8 %           10744         AAA         LEEE 802-11ax (100ML2, MCS3, 09pc duty cycle)         WLAN         9.16         ± 9.8 %           10746         AAA         LEEE 802-11ax (100ML2, MCS3, 09pc duty cycle)         WLAN         9.04         ± 9.6 %           10747         AAA         LEEE 802-11ax (100ML2, MCS3, 09pc duty cycle)         WLAN         8.30         ± 9.6 %           10748         AAA         LEEE 802-11ax (100ML2, MCS3, 09pc duty cycle)         WLAN         8.30         ± 9.6 %           10754         AAA         LEEE 802-11ax (100ML2, MCS3, 09pc duty cycle)         WLAN         8.42         ± 9.6 %           10755         AAA         LEEE 802-11ax (100ML2, MCS3,						
IO170         AAA         IEEE 802:11ax (800Hiz, IMCS10, 90pc duty cycle)         WLAN         8.40         19.6 %           10741         AAA         IEEE 802:11ax (800Hiz, IMCS10, 90pc duty cycle)         WLAN         8.43         19.6 %           10743         AAA         IEEE 802:11ax (160MHz, MCS10, 90pc duty cycle)         WLAN         8.44         19.6 %           10744         AAA         IEEE 802:11ax (160MHz, MCS10, 90pc duty cycle)         WLAN         8.16         ± 9.8 %           10744         AAA         IEEE 802:11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10746         AAA         IEEE 802:11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         9.01         ± 9.6 %           10747         AAA         IEEE 802:11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.03         ± 9.6 %           10749         AAA         IEEE 802:11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10750         AAA         IEEE 802:11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10753         AAA         IEEE 802:11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.84         ± 9.6 %           10754         AAA         IEEE 802:11ax (160MHz, MCS			1EEE 802.11ax (80MHz, MCS9, 99pc duty cycle)			
ID:742         AAA         IEEE 802:11ax (100MHz, MCS1) 390c duty cycle)         WLAN         8.43         14.9.6 %           10743         AAA         IEEE 802:11ax (100MHz, MCS1) 390c duty cycle)         WLAN         8.94         4.9.6 %           10743         AAA         IEEE 802:11ax (100MHz, MCS1) 390c duty cycle)         WLAN         8.18         4.9.6 %           10744         AAA         IEEE 802:11ax (100MHz, MCS2, 300c duty cycle)         WLAN         8.91         4.9.6 %           10745         AAA         IEEE 802:11ax (100MHz, MCS3, 300c duty cycle)         WLAN         9.11         4.9.6 %           10746         AAA         IEEE 802:11ax (100MHz, MCS3, 900c duty cycle)         WLAN         8.93         4.9.6 %           10748         AAA         IEEE 802:11ax (100MHz, MCS3, 900c duty cycle)         WLAN         8.90         4.9.6 %           10750         AAA         IEEE 802:11ax (100MHz, MCS3, 900c duty cycle)         WLAN         8.42         4.9.6 %           10752         AAA         IEEE 802:11ax (100MHz, MCS1, 900c duty cycle)         WLAN         8.42         4.9.6 %           10753         AAA         IEEE 802:11ax (100MHz, MCS1, 900c duty cycle)         WLAN         8.44         4.9.6 %           10755         AAA         IEEE 802:11ax (100MHz, MCS3			IEEE 802.11ax (80MHz, MCS3), 5500 ddy 6500			±9.6 %
10743         AAA         IEEE 002.11ax (1600Hz, MCS0, 30pc duly cycle)         WLAN         9.94         9.9.6           10744         AAA         IEEE 002.11ax (1600Hz, MCS1, 30pc duly cycle)         WLAN         8.93         9.9.6           10745         AAA         IEEE 802.11ax (1600Hz, MCS3, 90pc duly cycle)         WLAN         8.9.3         9.9.6           10746         AAA         IEEE 802.11ax (1600Hz, MCS3, 90pc duly cycle)         WLAN         9.11         ±9.6           10747         AAA         IEEE 802.11ax (1600Hz, MCS3, 90pc duly cycle)         WLAN         8.93         ±9.6           10748         AAA         IEEE 802.11ax (1600Hz, MCS3, 90pc duly cycle)         WLAN         8.90         ±9.6 %           10750         AAA         IEEE 802.11ax (1600Hz, MCS3, 90pc duly cycle)         WLAN         8.92         ±9.6 %           10751         AAA         IEEE 802.11ax (1600Hz, MCS3, 90pc duly cycle)         WLAN         8.84         ±9.6 %           10753         AAA         IEEE 802.11ax (1600Hz, MCS3, 90pc duly cycle)         WLAN         8.84         ±9.6 %           10754         AAA         IEEE 802.11ax (1600Hz, MCS3, 90pc duly cycle)         WLAN         8.64         ±9.6 %           10756         AAA         IEEE 802.11ax (1600Hz, MCS3, 90pc duly cycle)			IEEE 802 11ax (80MHz, MCS11, 99nc duty cycle)		8.43	±9.6 %
10744         AAA         IEEE 002.11ax (160MHz, MCS1, 90pc duty cycle)         WLAN         9.16         ± 9.6 %           10745         AAA         IEEE 002.11ax (160MHz, MCS2, 90pc duty cycle)         WLAN         9.31         ± 9.6 %           10746         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         9.04         ± 9.6 %           10747         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         9.04         ± 9.6 %           10748         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.33         ± 9.6 %           10749         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.42         ± 9.6 %           10750         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.42         ± 9.6 %           10757         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.04         ± 9.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.77         ± 9.6 %           10757         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.77         ± 9.6 %           10757         AAA         IEEE 802.11ax (160MHz, MCS3,			IEEE 802 11ax (160MHz, MCS0, 90pc duty cycle)		8.94	±9.6 %
10745         AAA         IEEE 002.11ax (160MHz, MCS2, 30pc duty cycle)         WLAN         8.93         9.9.6 %           10746         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         9.11         19.6 %           10747         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         9.04         29.6 %           10748         AAA         IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)         WLAN         8.33         19.6 %           10749         AAA         IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)         WLAN         8.79         19.6 %           10750         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.82         19.6 %           10751         AAA         IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)         WLAN         8.82         19.6 %           10754         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.64         19.6 %           10755         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.64         19.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WLAN         8.64         19.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty		÷	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)		9.16	±9.6 %
10746         AAA         IEEE 002.11ax (1600H1z, MCS3, 90pc duty cycle)         WLAN         9.11         +9.6 %           10747         AAA         IEEE 802.11ax (1600H1z, MCS3, 90pc duty cycle)         WLAN         9.04         +9.6 %           10748         AAA         IEEE 802.11ax (1600H1z, MCS3, 90pc duty cycle)         WLAN         8.93         ±9.6 %           10749         AAA         IEEE 802.11ax (1600H1z, MCS3, 90pc duty cycle)         WLAN         8.90         ±9.6 %           10750         AAA         IEEE 802.11ax (1600H1z, MCS3, 90pc duty cycle)         WLAN         8.82         ±9.6 %           10751         AAA         IEEE 802.11ax (1600H1z, MCS3, 90pc duty cycle)         WLAN         8.82         ±9.6 %           10752         AAA         IEEE 802.11ax (1600H1z, MCS1, 90pc duty cycle)         WLAN         8.81         ±9.6 %           10754         AAA         IEEE 802.11ax (1600H1z, MCS1, 90pc duty cycle)         WLAN         8.04         ±9.6 %           10756         AAA         IEEE 802.11ax (1600H1z, MCS3, 90pc duty cycle)         WLAN         8.77         ±9.6 %           10758         AAA         IEEE 802.11ax (1600H1z, MCS3, 90pc duty cycle)         WLAN         8.77         ±9.6 %           10759         AAA         IEEE 802.11ax (1600H1z, MCS3,			IEEE 802 11ax (160MHz, MCS2, 90pc duty cycle)		8.93	±9.6 %
10/747         AAA         IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)         WILAN         9.04         ± 9.6 %           10748         AAA         IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)         WILAN         8.93         ± 9.6 %           10749         AAA         IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)         WILAN         8.93         ± 9.6 %           10750         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WILAN         8.79         ± 9.6 %           10751         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WILAN         8.81         ± 9.6 %           10753         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WILAN         8.84         ± 9.6 %           10754         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WILAN         8.64         ± 9.6 %           10755         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WILAN         8.77         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)         WILAN         8.77         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)         WILAN         8.64         ± 9.6 %           10768         AAA         IEEE 802.11ax (160			IEEE 802.11ax (160MHz, MCS3, 90nc duty cycle)		9.11	± 9.6 %
10748         AAA         IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)         WLAN         8.93         ± 9.6 %           10749         AAA         IEEE 802.11ax (160MHz, MCSS, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10750         AAA         IEEE 802.11ax (160MHz, MCSS, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10751         AAA         IEEE 802.11ax (160MHz, MCSS, 90pc duty cycle)         WLAN         8.82         ± 9.6 %           10752         AAA         IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10753         AAA         IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)         WLAN         8.94         ± 9.6 %           10754         AAA         IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)         WLAN         8.64         ± 9.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.64         ± 9.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10757         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10760         AAA         IEEE 802.11ax (160MHz, MCS3,			IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)			± 9.6 %
10/10         AAA         IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)         WIAN         8.90         \$9.6 %           10750         AAA         IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)         WIAN         8.79         \$9.6 %           10751         AAA         IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)         WIAN         8.82         \$9.6 %           10752         AAA         IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)         WIAN         8.81         \$9.6 %           10753         AAA         IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)         WIAN         8.94         \$9.6 %           10754         AAA         IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)         WIAN         8.94         \$9.6 %           10755         AAA         IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)         WIAN         8.64         \$9.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)         WIAN         8.67         \$9.6 %           10757         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WIAN         8.58         \$9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)         WIAN         8.58         \$9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS5, 99pc duty			IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)			± 9.6 %
10/1760         AAA         IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10750         AAA         IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)         WLAN         8.82         ± 9.6 %           10751         AAA         IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)         WLAN         8.82         ± 9.6 %           10752         AAA         IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)         WLAN         8.94         ± 9.6 %           10754         AAA         IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)         WLAN         8.94         ± 9.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.64         ± 9.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10760         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MC			IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)			± 9.6 %
10/10         10/11         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12         10/12 <th< td=""><td></td><td></td><td></td><td></td><td>8.79</td><td>± 9.6 %</td></th<>					8.79	± 9.6 %
10/10         AAA         IEEE 802.11ax (160MHz, MCS9, 90pc duly cycle)         WLAN         8.81         ± 9.6 %           10753         AAA         IEEE 802.11ax (160MHz, MCS10, 90pc duly cycle)         WLAN         9.00         ± 9.6 %           10754         AAA         IEEE 802.11ax (160MHz, MCS10, 90pc duly cycle)         WLAN         8.94         ± 9.6 %           10755         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duly cycle)         WLAN         8.77         ± 9.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duly cycle)         WLAN         8.77         ± 9.6 %           10757         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duly cycle)         WLAN         8.77         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duly cycle)         WLAN         8.69         ± 9.6 %           10760         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duly cycle)         WLAN         8.49         ± 9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duly cycle)         WLAN         8.58         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duly cycle)         WLAN         8.54         ± 9.6 %           10764         AAA         IEEE 802.11ax (160MHz, MCS1			IFFF 802 11ax (160MHz, MCS8, 90pc duty cycle)		8.82	± 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, MCS1, 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, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10759         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10760         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.53         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10763         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10764         AAA         IEEE 802.11ax (160MHz, MCS1					8.81	± 9.6 %
10754         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.94         ± 9.6 %           10755         AAA         IEEE 802.11ax (160MHz, MCS1, 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, MCS3, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10750         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10760         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.49 ± 9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.53         ± 9.6 %           10763         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10764         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)<				WLAN	9.00	± 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 %           10759         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.68         ± 9.6 %           10760         AAA         IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10763         AAA         IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10764         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS1,				WLAN	8.94	± 9.6 %
10756         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10757         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10759         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10763         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10764         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10765         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS1,				WLAN	8.64	± 9.6 %
10757         AAA         IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)         WLAN         8./1         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10750         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         8.49         ± 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         8.54         ± 9.6 %           10763         AAA         IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10764         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10767         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10768         AAA         IEEE 802.11ax (160MHz, MCS1,			IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)			
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         8.49         ± 9.6 %           10760         AAA         IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)         WLAN         8.53         ± 9.6 %           10763         AAA         IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10764         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 %           10768         AAA         IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10769         AAA         5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1         8.01         ± 9.6 %           10770         AAA         5G NR (CP-OFDM, 1 RB, 20			IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)			
10759         AAA         IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10760         AAA         IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10763         AAA         IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10764         AAA         IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10767         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         7.93         ± 9.6 %           10769         AAA         5G NR (CP-OFDM, 1 RB,						
10760         AAA         IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)         WLAN         8.59         ± 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, MCS11, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10767         AAA         IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10768         AAA         IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10769         AAA         5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1         8.01         ± 9.6 %           10770         AAA         5G NR (CP-OFDM, 1 RB,			IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)			
10761         AAA         IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)         WLAN         8.58         ± 9.5 %           10762         AAA         IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10763         AAA         IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)         WLAN         8.53         ± 9.6 %           10764         AAA         IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10765         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10768         AAA         5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1         8.01         ± 9.6 %           10769         AAA         5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10770         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10771         AAA         5G NR (CP-OFDM, 1 RB,		AAA	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)			
10762         AAA         IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10763         AAA         IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)         WLAN         8.53         ± 9.6 %           10764         AAA         IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10765         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10766         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10767         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.01         ± 9.6 %           10768         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10770         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10771         AAA         5G NR (CP-OFDM, 1 RB		AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)			
International and the set of the	10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)			
International and the set of the	10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)			
10785         AAA         IEEE 802.11ax (100MHz, MCS11, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10766         AAA         IEEE 802.11ax (100MHz, MCS11, 99pc duty cycle)         WLAN         8.51         ± 9.6 %           10767         AAA         5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1         7.99         ± 9.6 %           10768         AAA         5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1         8.01         ± 9.6 %           10769         AAA         5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1         8.01         ± 9.6 %           10770         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10771         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10772         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10773         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.03         ± 9.6 %           10774         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10776         AAA         5G N	10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)			
10786         AAA         IEEE 002.1184 (10011112, IN30111000 035) (1017)         5G NR         1707         SG NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1         7.99         ± 9.6 %           10768         AAA         5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1         8.01         ± 9.6 %           10769         AAA         5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1         8.01         ± 9.6 %           10769         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.01         ± 9.6 %           10770         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10771         AAA         5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10772         AAA         5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10773         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.03         ± 9.6 %           10774         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10776         AAA         5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 <t< td=""><td></td><td>AAA</td><td>IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)</td><td></td><td></td><td></td></t<>		AAA	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)			
10767         AAA         SG NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)         TDD           10768         AAA         5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1         8.01         ± 9.6 %           10769         AAA         5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1         8.01         ± 9.6 %           10770         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10771         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10772         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10772         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.03         ± 9.6 %           10773         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.03         ± 9.6 %           10774         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10776         AAA         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.30         ± 9.6 %           10780         AAA         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)		AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)			
10768         AAA         5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.01         ± 9.6 % TDD           10769         AAA         5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.01         ± 9.6 % TDD           10770         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.02         ± 9.6 % TDD           10771         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.02         ± 9.6 % TDD           10772         AAA         5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.02         ± 9.6 % TDD           10773         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.03         ± 9.6 % TDD           10774         AAA         5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.03         ± 9.6 % TDD           10774         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.30         ± 9.6 % TDD           10776         AAA         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.34         ± 9.6 % TDD           10778         AAA         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.38         ± 9.6 %	10767	AAA	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)		1.99	1 9.0 %
10768         AAA         SG NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)         TDD           10769         AAA         5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1         8.01         ± 9.6 %           10770         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10771         AAA         5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10772         AAA         5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10772         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10773         AAA         5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1         8.03         ± 9.6 %           10774         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10776         AAA         5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1         8.30         ± 9.6 %           10778         AAA         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 %           10780         AAA         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) <td></td> <td></td> <td></td> <td></td> <td>0.01</td> <td>106%</td>					0.01	106%
10769         AAA         5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.01         ± 9.6 % TDD           10770         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.02         ± 9.6 % TDD           10771         AAA         5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.02         ± 9.6 % TDD           10772         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.02         ± 9.6 % TDD           10773         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.03         ± 9.6 % TDD           10774         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.02         ± 9.6 % TDD           10776         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.30         ± 9.6 % TDD           10776         AAA         5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.30         ± 9.6 % TDD           10778         AAA         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.38         ± 9.6 % TDD           10780         AAA         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.38         ± 9.6	10768	AAA	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)		0.01	± 9.0 %
10769         AAA         SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         TDD           10770         AAA         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10771         AAA         5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10772         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10773         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.03         ± 9.6 %           10773         AAA         5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1         8.03         ± 9.6 %           10774         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10776         AAA         5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1         8.30         ± 9.6 %           10778         AAA         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.34         ± 9.6 %           10780         AAA         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 %           10781         AAA         5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)<					8.01	+96%
10770       AAA       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.02       ± 9.6 % TDD         10771       AAA       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.02       ± 9.6 % TDD         10772       AAA       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.02       ± 9.6 % TDD         10773       AAA       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.03       ± 9.6 % TDD         10774       AAA       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.02       ± 9.6 % TDD         10776       AAA       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.30       ± 9.6 % TDD         10776       AAA       5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.30       ± 9.6 % TDD         10778       AAA       5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.38       ± 9.6 % TDD         10780       AAA       5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.38       ± 9.6 % TDD         10781       AAA       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.43       ± 9.6 % TDD         10782       AAA       5G NR (CP-OFDM, 50% RB, 50	10769		5G NR (CP-OFDM, 1 KB, 15 MHz, QPSK, 15 KHz)		0.01	1 3.0 %
10770         AAA         SG NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         TDD           10771         AAA         5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10772         AAA         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.23         ± 9.6 %           10773         AAA         5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1         8.03         ± 9.6 %           10774         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.03         ± 9.6 %           10776         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 %           10776         AAA         5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1         8.30         ± 9.6 %           10778         AAA         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.34         ± 9.6 %           10780         AAA         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 %           10781         AAA         5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 %           10782         AAA         5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz	L	<u> </u>			8.02	+96%
10771       AAA       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)       5G NR FR1       8.02       ± 9.6 %         10772       AAA       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1       8.23       ± 9.6 %         10772       AAA       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1       8.23       ± 9.6 %         10773       AAA       5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1       8.03       ± 9.6 %         10774       AAA       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1       8.02       ± 9.6 %         10776       AAA       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1       8.30       ± 9.6 %         10776       AAA       5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)       5G NR FR1       8.30       ± 9.6 %         10778       AAA       5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1       8.34       ± 9.6 %         10780       AAA       5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1       8.38       ± 9.6 %         10781       AAA       5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1       8.38       ± 9.6 %         10782       AAA       5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1       8.43       ±	10770	AAA	5G NK (CP-UFDM, 1 KB, 20 MHZ, QPSN, 15 KHZ)		0.02	20.0 /0
10771         AAA         SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         TDD           10772         AAA         SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         SG NR FR1         8.23         ± 9.6 %           10773         AAA         SG NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         SG NR FR1         8.03         ± 9.6 %           10774         AAA         SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         SG NR FR1         8.02         ± 9.6 %           10776         AAA         SG NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         SG NR FR1         8.30         ± 9.6 %           10778         AAA         SG NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         SG NR FR1         8.34         ± 9.6 %           10780         AAA         SG NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         SG NR FR1         8.38         ± 9.6 %           10781         AAA         SG NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         SG NR FR1         8.38         ± 9.6 %           10782         AAA         SG NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         SG NR FR1         8.43         ± 9.6 %		+			8.02	± 9.6 %
10772       AAA       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1       8.23       ± 9.6 %         10773       AAA       5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1       8.03       ± 9.6 %         10774       AAA       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1       8.02       ± 9.6 %         10774       AAA       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1       8.02       ± 9.6 %         10776       AAA       5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)       5G NR FR1       8.30       ± 9.6 %         10778       AAA       5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1       8.34       ± 9.6 %         10780       AAA       5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1       8.38       ± 9.6 %         10781       AAA       5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1       8.38       ± 9.6 %         10782       AAA       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1       8.43       ± 9.6 %         10782       AAA       5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1       8.43       ± 9.6 %	10771		5G NR (CP-OFDM, 1 RB, 25 MHZ, QF3N, 15 KHZ)		0.02	
10772         AAA         SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         TDD         TDD           10773         AAA         5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1         8.03         ± 9.6 9           10774         AAA         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.02         ± 9.6 9           10776         AAA         5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1         8.30         ± 9.6 9           10778         AAA         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.34         ± 9.6 9           10778         AAA         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.34         ± 9.6 9           10780         AAA         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 9           10781         AAA         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 9           10782         AAA         5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1         8.43         ± 9.6 9	10770	<u> </u>	50 ND (00 050M 1 BB 20 MHz OBSK 15 KHz)		8.23	± 9.6 %
10773       AAA       5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1       8.03       ± 9.6 9         10774       AAA       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1       8.02       ± 9.6 9         10774       AAA       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1       8.02       ± 9.6 9         10776       AAA       5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)       5G NR FR1       8.30       ± 9.6 9         10778       AAA       5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1       8.34       ± 9.6 9         10780       AAA       5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1       8.34       ± 9.6 9         10780       AAA       5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1       8.38       ± 9.6 9         10781       AAA       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1       8.38       ± 9.6 9         10782       AAA       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1       8.43       ± 9.6 9         10782       AAA       5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1       8.43       ± 9.6 9	10772		5G NR (CP-OFDM, 1 RB, 30 MHZ, QPSN, 15 KHZ)		0.20	
10773       AAA       SG NR (CP-OF DM, 1 RB, 50 MHz, QPSK, 15 kHz)       TDD         10774       AAA       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1       8.02       ± 9.6 9         10776       AAA       5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)       5G NR FR1       8.30       ± 9.6 9         10778       AAA       5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1       8.34       ± 9.6 9         10780       AAA       5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1       8.38       ± 9.6 9         10780       AAA       5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1       8.38       ± 9.6 9         10781       AAA       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1       8.38       ± 9.6 9         10782       AAA       5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1       8.43       ± 9.6 9	40770		FO ND (OD OEDM 1 PR 40 MHz OPSK 15 kHz)		8.03	± 9.6 %
10774       AAA       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.02       ± 9.6 %         10776       AAA       5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.30       ± 9.6 %         10778       AAA       5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.34       ± 9.6 %         10778       AAA       5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.34       ± 9.6 %         10780       AAA       5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.38       ± 9.6 %         10781       AAA       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       8.38       ± 9.6 %         10782       AAA       5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 8.43       ± 9.6 %	10//3		3G NR (CF-OFDM, 1 ND, 40 Min2, Qr ON, 10 Min2)			
10774       AAA       5G NR (CP-OF DM, 11K), 00 MHz, 00 KHz)       TDD         10776       AAA       5G NR (CP-OFDM, 50% RB, 10 MHz, 0PSK, 15 kHz)       5G NR FR1       8.30       ± 9.6 %         10778       AAA       5G NR (CP-OFDM, 50% RB, 20 MHz, 0PSK, 15 kHz)       5G NR FR1       8.34       ± 9.6 %         10778       AAA       5G NR (CP-OFDM, 50% RB, 20 MHz, 0PSK, 15 kHz)       5G NR FR1       8.34       ± 9.6 %         10780       AAA       5G NR (CP-OFDM, 50% RB, 30 MHz, 0PSK, 15 kHz)       5G NR FR1       8.38       ± 9.6 %         10781       AAA       5G NR (CP-OFDM, 50% RB, 40 MHz, 0PSK, 15 kHz)       5G NR FR1       8.38       ± 9.6 %         10782       AAA       5G NR (CP-OFDM, 50% RB, 50 MHz, 0PSK, 15 kHz)       5G NR FR1       8.43       ± 9.6 %	10774		5G NR (CP-OEDM 1 RB 50 MHz OPSK 15 kHz)		8.02	± 9.6 %
10776         AAA         SG NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         TDD           10778         AAA         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1         8.34         ± 9.6 %           10780         AAA         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 %           10780         AAA         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 %           10781         AAA         5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 %           10782         AAA         5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.43         ± 9.6 %	10/74	1 ~~~~				
10778         AAA         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.34 TDD         ± 9.6 %           10780         AAA         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.38 ± 9.6 %         ± 9.6 %           10781         AAA         5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.38 ± 9.6 %           10782         AAA         5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 SG NR FR1 TDD         8.43 ± 9.6 %	10776		5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1	8.30	± 9.6 %
10778         AAA         5G NR (CP-OF DM, 50% RB, 30 MHz, QPSK, 15 kHz)         TDD           10780         AAA         5G NR (CP-OF DM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 %           10781         AAA         5G NR (CP-OF DM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 %           10782         AAA         5G NR (CP-OF DM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.43         ± 9.6 %					<u> </u>	
10780         AAA         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.38 TDD         ± 9.6 %           10781         AAA         5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.38 TDD         ± 9.6 %           10782         AAA         5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         8.43         ± 9.6 %	10778	AAA	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)		8.34	± 9.6 %
10780         AAA         SG NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         TDD           10781         AAA         5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 %           10782         AAA         5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.43         ± 9.6 %						
TDD         TDD           10781         AAA         5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1         8.38         ± 9.6 %           10782         AAA         5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.43         ± 9.6 %	10780	AAA	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)		8.38	± 9.6 %
10781         AAA         5G NR (CP-OF DM, 50% RB, 50 MHz, QPSK, 15 kHz)         TDD           10782         AAA         5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1         8.43         ± 9.6 %						+
10782 AAA 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 8.43 ± 9.6 °	10781	AAA	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)		8.38	± 9.6 %
					0.10	100%
	10782	AAA	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)		8.43	± 9.0 %
					<u> </u>	

				·	
10783	AAA	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1	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	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	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	7.82	± 9.6 %
10795	AAA	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.84	± 9.6 %
10796	AAA	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.82	± 9.6 %
10797	AAA	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.01	± 9.6 %
10798	AAA	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.89	± 9.6 %
10799	AAA	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1	7.93	± 9.6 %
10801	AAA	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1	7.89	±9.6 %
10802	AAA	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1	7.87	± 9.6 %
10803	AAA	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.93	± 9.6 %
10805	AAA	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.34	± 9.6 %
10806	AAA	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1	8.37	± 9.6 %
10809	AAA	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.34	± 9.6 %
10810	AAA	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.34	±9.6 %
10812	AAA	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.35	± 9.6 %
10817	AAA	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.35	± 9.6 %
10818	AAA	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.34	± 9.6 %
10819	AAA	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.33	± 9.6 %
10820	AAA	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.30	± 9.6 %
10821	AAA	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.41	± 9.6 %
10822	AAA	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.41	± 9.6 %
10823		5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.36	± 9.6 %
10823			TDD		
10624		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 TDD	7.63	±9.6 %
10831	AAA	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	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	ÂĂĂ	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		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 %

#### ES3DV2-- SN:3019

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 TDD	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 TDD	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 TDD	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	8.41	± 9.6 %

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

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



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

Accreditation No.: SCS 0108

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

#### Certificate No: D450V3-1096_Nov19

# **CALIBRATION CERTIFICATE**

**BACL-SZ** (Auden)

Client

Object	D450V3 - SN:109	96	
	D-0010 011.100		
Calibration procedure(s)	QA CAL-15.v9		
	Calibration Proce	dure for SAR Validation Sources	below 700 MHz
Calibration date:	November 27, 20	19	
This calibration certificate documer	nts the traceability to nati	onal standards, which realize the physical uni	ts of measurements (SI)
		robability are given on the following pages and	
		,	
All calibrations have been conducte	ed in the closed laborator	y facility: environment temperature (22 $\pm$ 3)°C	and humidity $< 70\%$
		y rading. Christian competature (22 ± 0) e	and harmany < 70%.
Calibration Equipment used (M&TE	critical for calibration)		
	ontiour for buildrationy		
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: 5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
Type-N mismatch combination	SN: 5047.2 / 06327	04-Apr-19 (No. 217-02895)	Apr-20
Reference Probe EX3DV4	SN: 3877	31-Dec-18 (No. EX3-3877_Dec18)	Dec-19
DAE4	SN: 654	27-Jun-19 (No. DAE4-654_Jun19)	Jun-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 Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-19)	In house check: Oct-20
	N	-	
	Name	Function	Signature
Calibrated by:	Michael Weber	Laboratory Technician	Maser
			M.Weses Selly
Approved by	Katia Dakavia	Table 1 Manager	MIAL
Approved by:	Katja Pokovic	Technical Manager	delle
			/ /
			laguade November 07, 0010
This collibration contificate abolt and	he reproduced every the	full without written approved of the labor t	Issued: November 27, 2019
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## **Calibration Laboratory of**

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



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Schweizerischer Kalibrierdienst

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

Accreditation No.: SCS 0108

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

#### Glossary:

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

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

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

### Additional Documentation:

e) DASY4/5 System Handbook

### Methods Applied and Interpretation of Parameters:

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

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

### **Measurement Conditions**

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

DASY Version	DASY5	V52.10.3
Extrapolation	Advanced Extrapolation	
Phantom	ELI4 Flat Phantom	Shell thickness: 2 ± 0.2 mm
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	450 MHz ± 1 MHz	

Head TSL parameters The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	43.5	0.87 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	43.9 ± 6 %	0.87 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

### SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.13 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	4.53 W/kg ± 18.1 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR averaged over 10 cm ³ (10 g) of Head TSL SAR measured	condition 250 mW input power	0.752 W/kg

### Appendix (Additional assessments outside the scope of SCS 0108)

#### **Antenna Parameters with Head TSL**

Impedance, transformed to feed point	58.7 Ω - 3.7 jΩ
Return Loss	- 21.3 dB

#### **General Antenna Parameters and Design**

Electrical Delay (one direction)	1.350 ns
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After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

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

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

### Additional EUT Data

Manufactured by	SPEAG

### **DASY5 Validation Report for Head TSL**

Date: 27.11.2019

Test Laboratory: SPEAG, Zurich, Switzerland

#### DUT: Dipole 450 MHz; Type: D450V3; Serial: D450V3 - SN: 1096

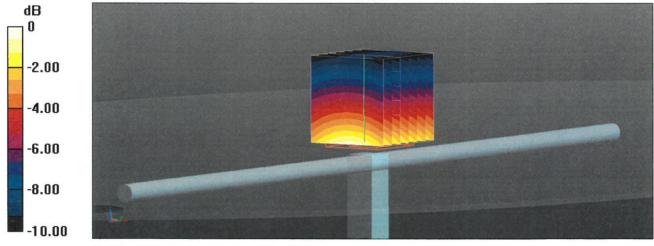
Communication System: UID 0 - CW; Frequency: 450 MHz Medium parameters used: f = 450 MHz;  $\sigma$  = 0.87 S/m;  $\epsilon_r$  = 43.9;  $\rho$  = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

#### DASY52 Configuration:

- Probe: EX3DV4 SN3877; ConvF(10.5, 10.5, 10.5) @ 450 MHz; Calibrated: 31.12.2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn654; Calibrated: 27.06.2019
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1003
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

#### Dipole Calibration for Head Tissue/d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 38.69 V/m; Power Drift = -0.01 dB Peak SAR (extrapolated) = 1.74 W/kg SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.752 W/kg Ratio of SAR at M2 to SAR at M1 = 64.5%Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg = 1.82 dBW/kg

### Impedance Measurement Plot for Head TSL

