SAR TEST REPORT

Report No.:	20230817G09967X-W2
Product Name:	LTE Smart Phone
Model Name:	SH4650
Marketing Name:	Roadrunner
Trade Name:	START, Consumer Cellular, Verve, IRIS
Brand Name:	START, Consumer Cellular, Verve, IRIS
FCC ID:	2AWF6-SH4650
Applicant:	START USA, INC.
Address:	6860 Dallas Parkway, Suite 200, Plano, TX 75024, USA
Test Date:	2023/05/30~2023/09/04
Issued by:	CCIC Southern Testing Co., Ltd.
Lab Location:	Electronic Testing Building, No. 43 Shahe Road Xili Street, Nanshan District，Shenzhen, Guangdong 518055，China
Tel:	86 755 26627338 Fax：86 755 26627238
Mail:	manager@ccic-set.com Website http://www.ccic-set.com

Test Report

Applicant:	START USA, INC.
Applicant Address:	6860 Dallas Parkway, Suite 200, Plano, TX 75024, USA
Manufacturer:	THINKSTART ELECTRONIC TECHNOLOGY CO., LTD.
Manufacturer Address:	Unit A1-403, Kexing Science Park, 15 Keyuan Road, Nanshan District, Shenzhen, CHINA
Test Standards:	**47CFR §2.1093-** Radiofrequency Radiation Exposure Evaluation: Portable Devices; **ANSI C95.1–1992:** Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.(IEEE Std C95.1-1991) **IEEE 1528–2013:** IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
Test Result:	Pass

Tested by:	Carl Wei	2023-09-05
	Carl Wei, Test Engineer	
Reviewed by:	Chris You	2023-09-05
	Chris You, Senior Engineer	
Approved by:	Yang Fan	2023-09-05
	Yang Fan, Manager	

Contents

1. Administrative Data

1.1 Testing Laboratory

Test Site:	CCIC Southern Testing Co., Ltd.
Address:	Electronic Testing Building, No. 43 Shahe Road Xili Street, Nanshan District，Shenzhen, Guangdong 518055，China
A2LA Lab Code:	CCIC-SET is a third party testing organization accredited by A2LA according to ISO/IEC 17025:2017. The accreditation certificate number is 5721.01
FCC Registration:	CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Designation Number: CN1283, valid time is until June 30th, 2023.
ISED Registration:	CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A-1 on Aug. 04, 2016, valid time is until June 30th, 2023.
Test Environment Condition:	Temperature (℃): 18℃ ~25℃ Relative Humidity (%): 35%~75% RH Atmospheric Pressure (kPa): 86KPa-106KPa

2. Equipment Under Test (EUT)

Identification of the Equipment under Test

Device type :	portable device	
Exposure category:	uncontrolled environment / general population	
Product Name:	LTE Smart Phone	
Brand Name:	START, Consumer Cellular, Verve, IRIS	
Model Name:	SH4650	
Operating Band(s):	UMTS Band I/IV/V,LTE Band 2,4,5,12,66, WIFI2.4G, WIFI5G (Band 1,2,3,4) ,BT	
Test Band(s):	UMTS Band I/IV/V,LTE Band 2,4,5,12,66, WIFI2.4G, WIFI5G (Band 1,2,3,4) ,BT	
Test modulation:	UMTS(QPSK),LTE(QPSK/16QAM/64QAM), WI-FI 2.4G(DSSS, OFDM), WI-FI 5G(OFDM), BT(GFSK/π/4-DQPSK/8-DPSK)	
IMEI:	359175940005231	
Tested frequency range(s)	transmitter frequency range	receiver frequency range
WCDMA Band V:	824-849 MHz	869-894 MHz
WCDMA Band IV:	1710-1755 MHz	2110-2155 MHz
WCDMA Band II:	1850-1910 MHz	1930-1990 MHz
LTE Band 2:	1850-1910 MHz	1930-1990 MHz
LTE Band 4:	1710-1755 MHz	2110-2155 MHz
LTE Band 5:	824-849 MHz	869-894 MHz
LTE Band 12:	698-716 MHz	728-746 MHz
LTE Band 66:	1710-1780 MHz	2110-2200 MHz
Wi-Fi:	2412-2462 MHz	
	5150-5250 MHz	
	5250-5350 MHz	
	5470-5725 MHz	
	5725-5850 MHz	
Bluetooth:	2402-2480 MHz	
Hardware version :	SH4650HV1.0	
Software version :	SH4650SV1.0.5	
Antenna type :	Internal antenna	
Hotspot :	2.4GHz WLAN support Hotspot mode	
Battery options :	Model No.: SA3405 Capacitance: 4000mAh Rated Voltage: 3.85V Charge Limit: 4.4V Manufacturer: Phenix New Energy(Huizhou)Co.,Ltd.	
MAX. SAR Value:	Head: 1.165 W/Kg(Limit:1.6 W/Kg) Body-worn: 1.142 W/Kg(Limit:1.6 W/Kg) Hotspot: 1.142 W/Kg(Limit:1.6 W/Kg)	

Note:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or

user's manual for more detailed description.

2. EUT WCDMA/LTE primary and secondary antennas all support transmitting and receiving, but LTE does not support MIMO function.
3. This report is based on the 20230417G03483X-W2 report.
   The following 3 points have been updated:
   1. Phase in 2nd source: WTR-3925-2-106BWLPSP-TR-03-0.
   2. Phase in 2nd source: 1W ACC speaker, and change the horn pad of the SUB board.
   3. Change the main RF PA and external speaker as well as other hardware and software of the small auxiliary board.
   According to changing SAR needs to retest WCDMA Band 2/4 and LTE Band 2/4/66; Test the differences between WCDMA Band 5, LTE Band 5/12, 2.4G WiFi, 5G WiFi and Bluetooth.

3. SAR Summary

Highest Standalone SAR Summary

Exposure Position	Frequency Band	Scaled 1g-SAR(W/kg)	Highest Scaled 1g-SAR(W/kg)
Head	WCDMA 850 ANT 2	0.046	1.165
	WCDMA 850 ANT 3	0.313	
	WCDMA 1700 ANT 2	0.259	
	WCDMA 1700 ANT 3	0.205	
	WCDMA 1900 ANT 2	0.759	
	WCDMA 1900 ANT 3	0.324	
	LTE Band 2 ANT 2	1.165	
	LTE Band 2 ANT 3	0.555	
	LTE Band 4 ANT 2	0.764	
	LTE Band 4 ANT 3	0.226	
	LTE Band 5 ANT 2	0.758	
	LTE Band 5 ANT 3	0.373	
	LTE Band 12 ANT 2	0.784	
	LTE Band 12 ANT 3	0.278	
	LTE Band 66 ANT 2	0.763	
	LTE Band 66 ANT 3	0.182	
	WIFI 2.4G ANT 1	0.188	
	WIFI 5G U-NII 1 ANT 1	0.132	
	WIFI 5G U-NII 2a ANT 1	0.128	
	WIFI 5G U-NII 2c ANT 1	0.123	
	WIFI 5G U-NII 3 ANT 1	0.138	
	BT ANT 1	0.146	

Exposure Position	Frequency Band	Scaled 1g-SAR(W/kg)	Highest Scaled 1g-SAR(W/kg)
Body-worn	WCDMA 850 ANT 2	0.048	1.142
	WCDMA 850 ANT 3	0.415	
	WCDMA 1700 ANT 2	0.075	
	WCDMA 1700 ANT 3	0.418	
	WCDMA 1900 ANT 2	0.251	
	WCDMA 1900 ANT 3	1.142	
	LTE Band 2 ANT 2	0.502	
	LTE Band 2 ANT 3	1.142	
	LTE Band 4 ANT 2	0.259	
	LTE Band 4 ANT 3	0.302	
	LTE Band 5 ANT 2	0.352	
	LTE Band 5 ANT 3	0.478	
	LTE Band 12 ANT 2	0.483	
	LTE Band 12 ANT 3	0.461	
	LTE Band 66 ANT 2	0.254	
	LTE Band 66 ANT 3	0.424	
	WIFI 2.4G ANT 1	0.043	
	WIFI 5G U-NII 1 ANT 1	0.184	
	WIFI 5G U-NII 2a ANT 1	0.205	
	WIFI 5G U-NII 2c ANT 1	0.350	
	WIFI 5G U-NII 3 ANT 1	0.346	
	BT ANT 1	0.033	

Exposure Position	Frequency Band	Scaled 1g-SAR(W/kg)	Highest Scaled 1g-SAR(W/kg)
Hotspot	WCDMA 850 ANT 2	0.048	1.142
	WCDMA 850 ANT 3	0.415	
	WCDMA 1700 ANT 2	0.090	
	WCDMA 1700 ANT 3	0.418	
	WCDMA 1900 ANT 2	0.350	
	WCDMA 1900 ANT 3	1.142	
	LTE Band 2 ANT 2	0.502	
	LTE Band 2 ANT 3	1.142	
	LTE Band 4 ANT 2	0.404	
	LTE Band 4 ANT 3	0.302	
	LTE Band 5 ANT 2	0.352	
	LTE Band 5 ANT 3	0.478	
	LTE Band 12 ANT 2	0.483	
	LTE Band 12 ANT 3	0.461	
	LTE Band 66 ANT 2	0.383	
	LTE Band 66 ANT 3	0.424	
	WIFI 2.4G ANT 1	0.052	

Highest Simultaneous SAR Summary

Exposure Position	Frequency Band	Highest Simultaneous 1g-SAR(W/kg)
Body-worn	WWAN(WCDMA 1900 ANT 3) &WIFI 5G	1.492

4. Specific Absorption Rate (SAR)

4.1 Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (). The equation description is as below:

$$\mathrm{SAR} = \frac{d}{dt}\left(\frac{dW}{dm}\right) = \frac{d}{dt}\left(\frac{dW}{\rho dv}\right)$$

SAR is expressed in units of Watts per kilogram (W/kg)

SAR measurement can be either related to the temperature elevation in tissue by

$$\mathrm{SAR} = C\frac{\delta T}{\delta t}$$

where C is the specific head capacity, δT is the temperature rise and δt the exposure duration, or related to the electrical field in the tissue by

$$\mathrm{SAR} = \frac{\sigma |E|^2}{\rho}$$

where σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the rms electrical field strength.

However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

4.2 Applicable Standards and Limits

4.2.1 Applicable Standards

47CFR §2.1093	Radiofrequency Radiation Exposure Evaluation: Portable Devices
ANSI C95.1–1992	Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.(IEEE Std C95.1-1991)
IEEE 1528–2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
KDB 248227 D01	v02r02 802.11 Wi-Fi SAR
KDB 447498 D01	v06 General RF Exposure Guidance
KDB 616217 D04	v01r02 SAR for laptop and tablets
KDB 648474 D04	v01r03 Handset SAR
KDB 865664 D01	v01r04 SAR Measurement 100MHz to 6GHz
KDB 865664 D02	v01r02 SAR Exposure Reporting
KDB 941225 D01	v03r01 3G SAR Procedures
KDB 941225 D05	v02r05 SAR for LTE Devices
KDB 941225 D05A	v01r02 LTE Rel.10 KDB Inquiry Sheet
KDB 941225 D06	v02r01 Hotspot Mode

4.2.2 RF exposure Limits

Human Exposure	**Uncontrolled Environment General Population**
Spatial Peak SAR* (Brain/Body)	1.60 mW/g
Spatial Average SAR** (Whole Body)	0.08 mW/g
Spatial Peak SAR*** (Limbs)	4.00 mW/g

The limit applied in this test report is shown in bold letters.

Notes:

* The Spatial Peak value of the SAR averaged over any 1 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time

** The Spatial Average value of the SAR averaged over the whole body.

*** The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

4.3 Phantoms

The phantom used for all tests i.e. for both system checks and device testing, was the twin-headed "SAM Phantom", manufactured by SATIMO. The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region, where shell thickness increases to 6mm).

System checking was performed using the flat section, whilst Head SAR tests used the left and right head profile sections. Body SAR testing also used the flat section between the head profiles.

SAM Twin Phantom

4.4 Device Holder

The device was placed in the device holder (illustrated below) that is supplied by SATIMO as an integral part of the COMOSAR test system.

The device holder is designed to cope with the different positions given in the standard. It has two scales for device rotation (with respect to the body axis) and device inclination (with respect to the line between the ear reference points). The rotation centers for both scales is the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.

Device holder

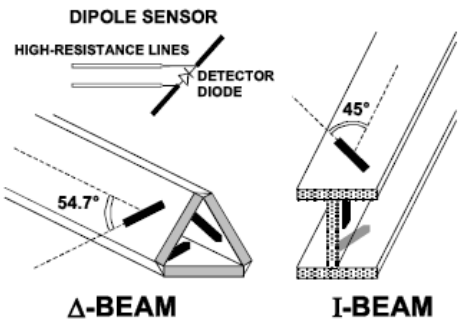
4.5 Probe Specification

Construction	Symmetrical design with triangular core Interleaved sensors Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available.
Frequency	700 MHz to 3 GHz; Linearity: ±0.5 dB (700 MHz to 3 GHz)
Directivity	±0.25 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic Range	1.5 μW/g to 100 mW/g; Linearity: ±0.5 dB
Dimensions	Overall length: 330 mm (Tip: 20 mm) Tip diameter: 5 mm Distance from probe tip to dipole centers: <2.7 mm
Application	General dosimetry up to 3 GHz Dosimetry in strong gradient fields Compliance tests of mobile phones
Compatibility	COMOSAR

Isotropic E-Field Probe

The isotropic E-Field probe has been fully calibrated and assessed for isotropicity, and boundary effect within a controlled environment. Depending on the frequency for which the probe is calibrated the method utilized for calibration will change.

The E-Field probe utilizes a triangular sensor arrangement as detailed in the diagram below:



5. Tissue check and recommend Dielectric Parameters

5.1 Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 in P1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness Power drifts in a human head. Other head and body tissue parameters that have not been specified in P1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equations described in Reference [12] and extrapolated according to the head parameters specified in P1528.

Table 1: Recommended Dielectric Performance of Tissue

Ingredients (% by weight)	Frequency (MHz)											
	450		835		915		1900		2450		2600	
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Water	38.56	51.16	41.46	52.4	41.05	56.0	54.9	40.4	62.7	73.2	55.24	64.49
Salt (Nacl)	3.95	1.49	1.45	1.4	1.35	0.76	0.18	0.5	0.5	0.04	0.5	0.024
Sugar	56.32	46.78	56.0	45.0	56.5	41.76	0.0	58.0	0.0	0.0	0.0	0.0
HEC	0.98	0.52	1.0	1.0	1.0	1.21	0.0	1.0	0.0	0.0	0.0	0.0
Bactericide	0.19	0.05	0.1	0.1	0.1	0.27	0.0	0.1	0.0	0.0	0.0	0.0
Triton x-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.8	0.0	44.45	32.25
DGBE	0.0	0.0	0.0	0.0	0.0	0.0	44.92	0.0	0.0	26.7	0.0	26.7
Dielectric Constant	43.42	58.0	42.54	56.1	42.0	56.8	39.9	54.0	39.2	52.5	39.0	52.5
Conductivity (s/m)	0.85	0.83	0.91	0.95	1.0	1.07	1.42	1.45	1.80	1.78	1.96	2.16

MSL/HSL750 (Body and Head liquid for 650 – 850 MHz)

Item	Head Tissue Simulation Liquid HSL750 Muscle(body)Tissue Simulation Liquid MSL750			
H2O	Water, 35 – 58%			
Sucrese	Sugar, white, refined, 40-60%			
NaCl	Sodium Chloride, 0-6%			
Hydroxyethel-cellulsoe	Medium Viscosity (CAS# 9004-62-0), <0.3%			
Preventol-D7	Preservative: aqueous preparation, (CAS# 55965-84-9), containing 5-chloro-2-methyl-3(2H)-isothiazolone and 2-methyyl-3(2H)-isothiazolone, 0.1-0.7%			
Frequency (MHz)	Head εr	Head σ(S/m)	Body εr	Bodyσ(S/m)
750	41.9	0.89	55.2	0.97

Note: The liquid of 700MHz&2600MHz typical liquid composition is provided by SATIMO.

Frequency:5200/5400/5600/5800MHz	
Ingredients	(% by weight)
Water	78
Mineral oil	11
Emulsifiers	9
Additives and Salt	2

Table 2 Recommended Tissue Dielectric Parameters

Frequency (MHz)	Head Tissue		Body Tissue	
	ε_r	σ(S/m)	ε_r	σ(S/m)
150	52.3	0.76	61.9	0.80
300	45.3	0.87	58.2	0.92
450	43.5	0.87	56.7	0.94
835	41.5	0.90	55.2	0.97
900	41.5	0.97	55.0	1.05
915	41.5	0.98	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800-2000	40.0	1.40	53.3	1.52
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73
5800	35.3	5.27	48.2	6.00

5.2 Simulate liquid

Liquid check results:

Table 3: Dielectric Performance of Tissue Simulating Liquid

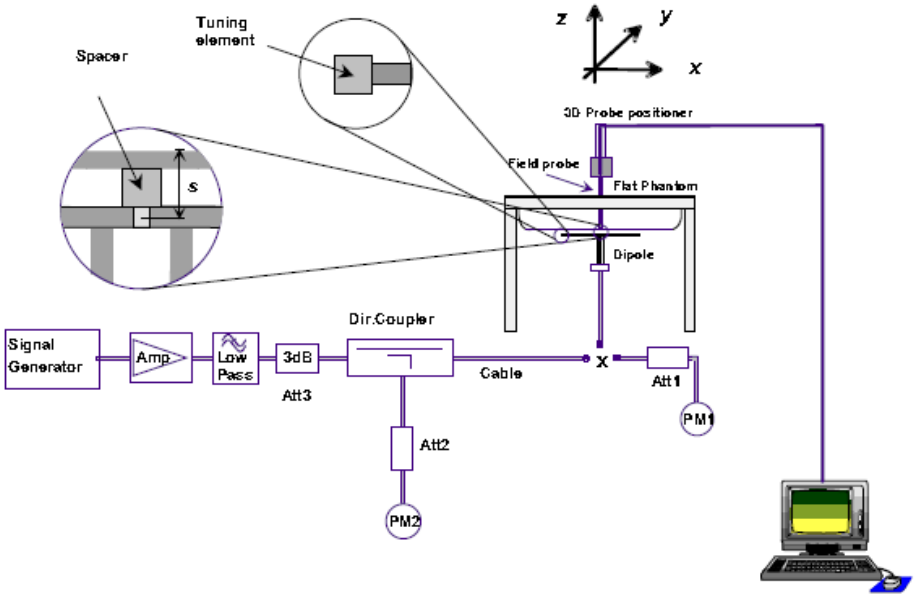
/	Frequency	Permittivity ε	Conductivity σ (S/m)	Liquid Temp. (℃)	Test Date
Target value	750MHz	41.9±5% (39.805~43.995)	0.89±5% (0.8455~0.9345)	21.9	2023/05/30
Validation value		41.76	0.89		
Target value	835MHz	41.5±5% (39.425~43.575)	0.90±5% (0.855~0.945)	22.4	2023/06/08
Validation value		41.36	0.92		
Target value	1800MHz	40.0±5% (38.0~42.0)	1.40±5% (1.33~1.47)	22.0	2023/06/10
Validation value		39.63	1.38		
Target value	1900MHz	40.0±5% (38.0~42.0)	1.40±5% (1.33~1.47)	22.2	2023/06/09
Validation value		40.19	1.40		
Target value	1900MHz	40.0±5% (38.0~42.0)	1.40±5% (1.33~1.47)	22.3	2023/06/17
Validation value		38.96	1.43		
Target value	2450MHz	39.2±5% (37.24~41.16)	1.80±5% (1.71~1.89)	22.3	2023/06/11
Validation value		38.64	1.79		
Target value	5200MHz	36.0±5% (34.20~37.80)	4.66±5% (4.427~4.893)	22.3	2023/06/12
Validation value		36.07	4.70		
Target value	5400MHz	35.8±5% (34.01~37.59)	4.86±5% (4.617~5.103)	22.3	2023/06/12
Validation value		35.74	4.95		
Target value	5600MHz	35.5±5% (33.725~37.275)	5.07±5% (4.8165~5.3235)	22.1	2023/06/13
Validation value		35.12	5.19		
Target value	5800MHz	35.3±5% (33.535~37.065)	5.27±5% (5.0065~5.5335)	22.1	2023/06/13
Validation value		34.68	5.37		

/	Frequency	Permittivity ε	Conductivity σ (S/m)	Liquid Temp. (℃)	Test Date
Target value	750MHz	41.9±5% (39.805~43.995)	0.89±5% (0.8455~0.9345)	22.0	2023/08/29
Validation value		41.40	0.89		
Target value	835MHz	41.5±5% (39.425~43.575)	0.90±5% (0.855~0.945)	22.5	2023/08/22
Validation value		40.69	0.92		
Target value	1800MHz	40.0±5% (38.0~42.0)	1.40±5% (1.33~1.47)	22.3	2023/09/01
Validation value		40.73	1.39		
Target value	1800MHz	40.0±5% (38.0~42.0)	1.40±5% (1.33~1.47)	22.4	2023/09/04
Validation value		40.21	1.37		
Target value	1900MHz	40.0±5% (38.0~42.0)	1.40±5% (1.33~1.47)	22.4	2023/08/30
Validation value		38.92	1.42		
Target value	2450MHz	39.2±5% (37.24~41.16)	1.80±5% (1.71~1.89)	22.6	2023/08/18
Validation value		38.23	1.82		
Target value	5200MHz	36.0±5% (34.20~37.80)	4.66±5% (4.427~4.893)	22.0	2023/08/25
Validation value		37.04	4.61		
Target value	5400MHz	35.8±5% (34.01~37.59)	4.86±5% (4.617~5.103)	22.0	2023/08/25
Validation value		36.69	4.87		
Target value	5600MHz	35.5±5% (33.725~37.275)	5.07±5% (4.8165~5.3235)	22.2	2023/08/26
Validation value		35.92	5.15		
Target value	5800MHz	35.3±5% (33.535~37.065)	5.27±5% (5.0065~5.5335)	22.2	2023/08/26
Validation value		35.61	5.33		

SAR System validation

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

The following procedure, recommended for performing validation tests using box phantoms is based on the procedures described in the IEEE standard P1528. Setup according to the setup diagram below:



With the SG and Amp and with directional coupler in place, set up the source signal at the relevant frequency and use a power meter to measure the power at the end of the SMA cable that you intend to connect to the balanced dipole. Adjust the SG to make this, say, 0.01W (10 dBm). If this level is too high to read directly with the power meter sensor, insert a calibrated attenuator (e.g. 10 or 20 dB) and make a suitable correction to the power meter reading.

Note 1: In this method, the directional coupler is used for monitoring rather than setting the exact feed power level. If, however, the directional coupler is used for power measurement, you should check the frequency range and power rating of the coupler and measure the coupling factor (referred to output) at the test frequency using a VNA.

Note 2: Remember that the use of a 3dB attenuator (as shown in Figure 8.1 of P1528) means that you need an RF amplifier of 2 times greater power for the same feed power. The other issue is the cable length. You might get up to 1dB of loss per meter of cable, so the cable length after the coupler needs to be quite short.

Note 3: For the validation testing done using CW signals, most power meters are suitable. However, if you are measuring the output of a modulated signal from either a signal generator or a handset, you must ensure that the power meter correctly reads the modulated signals.

The measured 1-gram averaged SAR values of the device against the phantom are provided in Tables 5 and Table 6. The body phantom were full of the body tissue simulating liquid. The EUT was supplied with full-charged battery for each measurement.

The distance between the back of the EUT and the bottom of the flat phantom is 10 mm (taking into account of the IEEE 1528 and the place of the antenna).

Table 4: system validation (1g)

System Check Results

Frequency	Duty cycle	Target value（1-g）(W/Kg)	10mW Test value（1-g）(W/Kg)	Test SAR Normalized to 1W(w/Kg)	Test Date
750MHz	1:1	8.73 W/kg±10% (7.857~9.603)	0.0873	8.73	2023/05/30
835MHz	1:1	9.69 W/kg±10% (8.721~10.659)	0.0871	8.71	2023/06/08
1800MHz	1:1	37.25 W/kg±10% (33.525~40.975)	0.3674	36.74	2023/06/10
1900MHz	1:1	39.71 W/kg±10% (35.739~43.681)	0.4029	40.29	2023/06/09
1900MHz	1:1	39.71 W/kg±10% (35.739~43.681)	0.4081	40.81	2023/06/17
2450MHz	1:1	53.71 W/kg±10% (48.339~59.081)	0.5086	50.86	2023/06/11
5200MHz	1:1	151.11 W/kg±10% (135.999~166.221)	1.4744	147.44	2023/06/12
5400MHz	1:1	159.92 W/kg±10% (143.928~175.912)	1.6030	160.30	2023/06/12
5600MHz	1:1	165.99 W/kg±10% (149.391~182.589)	1.7712	177.12	2023/06/13
5800MHz	1:1	176.86 W/kg±10% (159.174~194.546)	1.7462	174.62	2023/06/13

Note:

1. Target value was referring to the measured value in the calibration certificate of reference dipole.
2. All SAR values are normalized to 1W forward power.

System Check Results

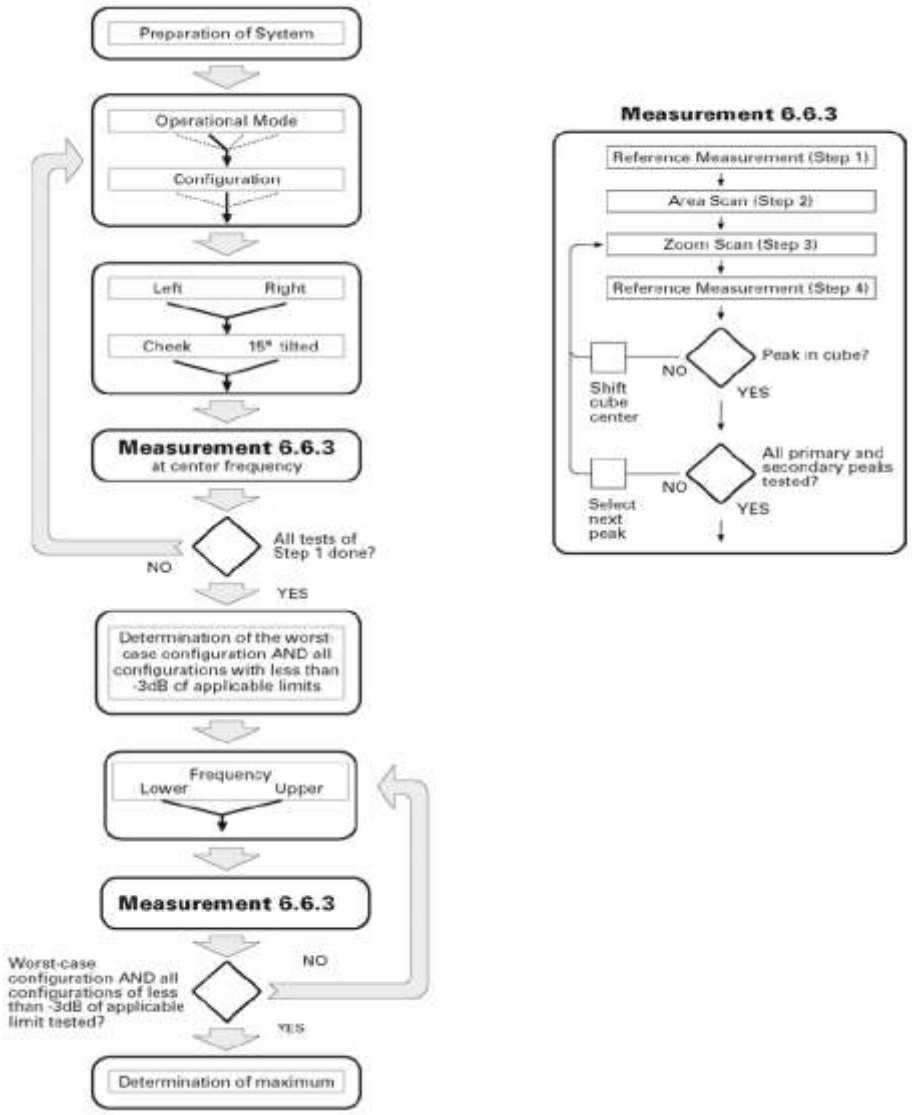
Frequency	Duty cycle	Target value（1-g）(W/Kg)	10mW Test value（1-g）(W/Kg)	Test SAR Normalized to 1W(w/Kg)	Test Date
750MHz	1:1	8.65 W/kg±10% (7.785~9.515)	0.0848	8.48	2023/08/29
835MHz	1:1	9.93 W/kg±10% (8.937~10.923)	0.1010	10.10	2023/08/22
1800MHz	1:1	37.81 W/kg±10% (34.029~41.591)	0.3664	36.64	2023/09/01
1800MHz	1:1	37.81 W/kg±10% (34.029~41.591)	0.3990	39.90	2023/09/04
1900MHz	1:1	41.50 W/kg±10% (37.350~45.650)	0.3974	39.74	2023/08/30
2450MHz	1:1	51.74 W/kg±10% (46.566~56.914)	0.5302	53.02	2023/08/18
5200MHz	1:1	152.95 W/kg±10% (137.655~168.245)	1.5656	156.56	2023/08/25
5400MHz	1:1	159.94 W/kg±10% (143.946~175.934)	1.6753	167.53	2023/08/25
5600MHz	1:1	166.59 W/kg±10% (149.931~183.249)	1.7911	179.11	2023/08/26
5800MHz	1:1	174.67 W/kg±10% (157.203~192.137)	1.7936	179.36	2023/08/26

Note:

1. Target value was referring to the measured value in the calibration certificate of reference dipole.
2. All SAR values are normalized to 1W forward power.

6. SAR measurement procedure

The SAR test against the head phantom was carried out as follow:



Establish a call with the maximum output power with a base station simulator, the connection between the EUT and the base station simulator is established via air interface.

After an area scan has been done at a fixed distance of 2mm from the surface of the phantom on the source side, a 3D scan is set up around the location of the maximum spot SAR. First, a point within the scan area is visited by the probe and a SAR reading taken at the start of testing. At the end of testing, the probe is returned to the same point and a second reading is taken. Comparison between these start and end readings enables the power drift during measurement to be assessed.

Above is the scanning procedure flow chart and table from the IEEEp1528 standard. This is the procedure for which all compliant testing should be carried out to ensure that all variations of the device position and transmission behavior are tested.

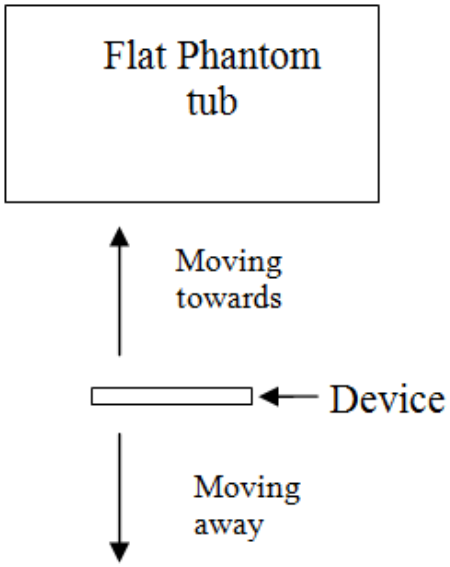
7. Proximity Sensor Triggering Test

1. Proximity sensor triggering distance

1). Due to the operating configurations and exposure conditions required by the device, the proximity sensor is used to indicate when the device is held close to a user's body exposure condition. It utilizes the proximity sensor to reduce the output power in specific wireless and operating modes of Antenna 2 and Antenna 3 to ensure SAR compliance. It is also set an output power leveled to the lowest one to make sure that in any case of SAR sensor hardware failure, the SAR requirements can still be satisfied.

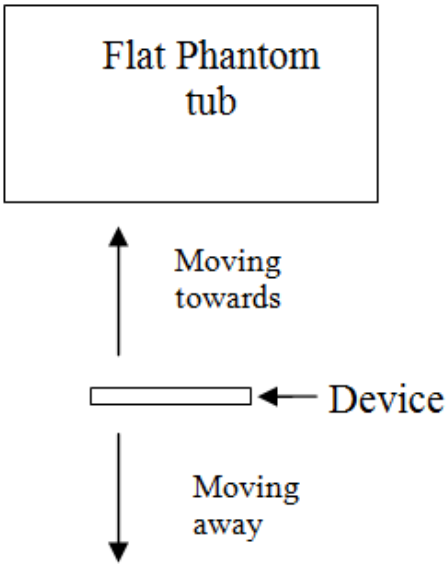
2). The following tables summarize the key power reduction information for proximity sensor. The test procedures be applied to determine proximity sensor triggering distances, and sensor coverage for normal and tilt positions. To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for movements to and from the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.

Proximity sensor position of EUT



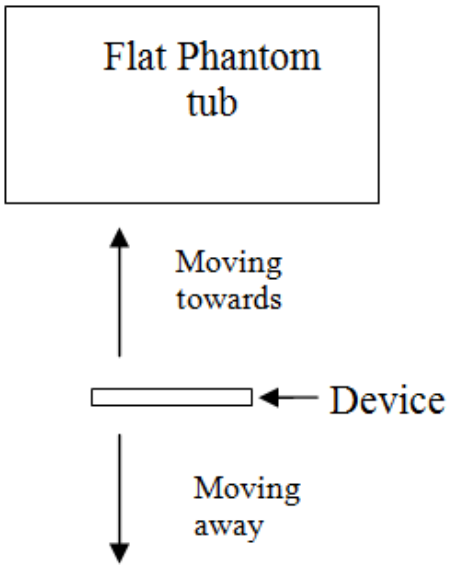
Sensor detection test set-up,

front and back faces



Sensor detection test set-up,

left and right faces



Sensor detection test set-up,

top and bottom faces

Proximity sensor 0 Triggering Distance

Proximity Sensor Triggering Distance (mm)								
Position	Front		Back		Left		Top	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away
Minimum	6mm	6mm	5mm	5mm	1mm	1mm	7mm	7mm

Proximity sensor 1 Triggering Distance

Proximity Sensor Triggering Distance (mm)										
Position	Front		Back		Left		Right		Bottom	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away
Minimum	6mm	6mm	16mm	16mm	4mm	4mm	1mm	1mm	12mm	12mm

DSI	0	1	2	3	4	5	6
Scene	Sensor is not triggered	proximity sensor 0 ON+ proximity sensor 1 ON+ receiver OFF	proximity sensor 0 ON+ proximity sensor 1 ON+ receiver ON	proximity sensor 1 ON+ receiver OFF	proximity sensor 1 ON+ receiver ON	proximity sensor 0 ON+ receiver OFF	proximity sensor 0 ON+ receiver ON
Remark	Full power	Retreat power	Retreat power	Retreat power	Full power	Full power	Retreat power

Note:

1. EUT's WCDMA Band IV/II and LTE Band 2/4/66 will be triggered by SAR sensor, thus reducing power.
2. EUT has an earpiece receiver and a proximity sensor (0,1).
3. EUT's receiver has never been turned on.
4. EUT defines the scene of reducing power through the trigger of sensor.
5. SAR tests with proximity sensor power reduction are only required for the sides of frequency bands in the table above. For the other sides or other frequency bands of the device, SAR is still tested at the maximum power level with sensor off.

6. When the distance between the phantom and EUT is equal to or less than the detection threshold distance, the proximity sensor will be trigger, and the conducted power will be reduced. When the distance between the phantom and EUT is greater than the detection threshold distance, the proximity sensor will be not trigger, and the DUT is in the full power transmit.
7. According to EUT's test scenario, EUT only triggers DSI 3 and DSI 5.

8. Conducted RF Output Power

8.1 WCDMA Conducted output Power

WCDMA850 (Band V) ANT 2 Full power		Averaged output Power (dBm)		
		4132CH	4183CH	4233CH
		826.4	836.6	846..6
WCDMA	12.2kbps RMC	22.86	22.73	22.93
HSDPA	Subtest 1	21.30	21.09	21.31
	Subtest 2	21.09	21.47	21.55
	Subtest 3	21.26	21.12	20.93
	Subtest 4	21.09	21.16	20.94
HSUPA	Subtest 1	21.49	21.38	21.44
	Subtest 2	21.21	21.12	21.08
	Subtest 3	21.23	21.04	21.28
	Subtest 4	21.09	20.86	20.90
	Subtest 5	20.98	21.21	21.15
WCDMA850 (Band V) ANT 3 Full power		Averaged output Power (dBm)		
		4132CH	4183CH	4233CH
		826.4	836.6	846..6
WCDMA	12.2kbps RMC	22.80	22.72	22.83
HSDPA	Subtest 1	21.57	21.64	20.67
	Subtest 2	21.27	21.14	21.15
	Subtest 3	21.59	21.43	21.56
	Subtest 4	21.16	21.06	21.09
HSUPA	Subtest 1	21.55	21.39	21.44
	Subtest 2	21.23	21.19	21.20
	Subtest 3	21.24	21.33	21.36
	Subtest 4	21.35	21.41	21.34
	Subtest 5	20.93	21.02	21.09
WCDMA1700 (Band IV) ANT 2 Full power		Averaged output Power (dBm)		
		1312CH	1413CH	1513CH
		1712.4	1732.6	1752.6
WCDMA	12.2kbps RMC	23.05	23.27	23.13
HSDPA	Subtest 1	21.82	21.91	21.85
	Subtest 2	22.22	21.95	22.04
	Subtest 3	22.27	22.03	22.09
	Subtest 4	21.95	22.22	22.01
HSUPA	Subtest 1	22.11	22.07	22.01
	Subtest 2	22.02	21.94	22.03
	Subtest 3	21.94	22.01	21.87
	Subtest 4	22.16	22.18	21.86
	Subtest 5	22.02	21.94	22.14

WCDMA1700 (Band IV) ANT 2 DSI 3 power		Averaged output Power (dBm)		
		1312CH	1413CH	1513CH
		1712.4	1732.6	1752.6
WCDMA	12.2kbps RMC	20.94	21.18	21.13
HSDPA	Subtest 1	19.67	19.60	19.45
	Subtest 2	19.59	19.62	19.73
	Subtest 3	19.01	18.88	18.93
	Subtest 4	19.69	19.65	19.54
HSUPA	Subtest 1	19.85	19.66	19.78
	Subtest 2	19.88	19.94	19.78
	Subtest 3	19.44	19.23	19.27
	Subtest 4	18.97	18.83	19.04
	Subtest 5	19.22	19.29	19.38
WCDMA1700 (Band IV) ANT 3 Full power		Averaged output Power (dBm)		
		1312CH	1413CH	1513CH
		1712.4	1732.6	1752.6
WCDMA	12.2kbps RMC	22.34	22.71	22.62
HSDPA	Subtest 1	21.08	21.16	21.26
	Subtest 2	20.86	21.05	21.07
	Subtest 3	21.06	21.07	21.20
	Subtest 4	21.04	21.38	21.12
HSUPA	Subtest 1	20.51	20.78	20.96
	Subtest 2	21.48	21.31	21.53
	Subtest 3	21.45	21.32	21.26
	Subtest 4	20.75	20.88	20.52
	Subtest 5	20.66	20.87	20.96
WCDMA1700 (Band IV) ANT 3 DSI 3 power		Averaged output Power (dBm)		
		1312CH	1413CH	1513CH
		1712.4	1732.6	1752.6
WCDMA	12.2kbps RMC	20.09	20.13	20.02
HSDPA	Subtest 1	18.90	18.94	19.02
	Subtest 2	18.95	19.15	19.11
	Subtest 3	19.07	19.14	19.02
	Subtest 4	18.58	18.78	18.65
HSUPA	Subtest 1	19.15	19.02	19.11
	Subtest 2	18.79	18.87	18.95
	Subtest 3	18.61	18.72	18.70
	Subtest 4	18.80	18.81	19.07
	Subtest 5	18.90	18.93	18.77

WCDMA1900 (Band II) ANT 2 Full power		Averaged output Power (dBm)		
		9262CH	9400CH	9538cH
		1852.4	1880.0	1907.6
WCDMA	12.2kbps RMC	23.22	23.18	23.08
HSDPA	Subtest 1	21.72	21.99	21.90
	Subtest 2	21.59	21.60	21.73
	Subtest 3	22.12	22.01	21.91
	Subtest 4	21.90	22.08	22.22
HSUPA	Subtest 1	21.89	21.90	21.77
	Subtest 2	22.09	21.97	22.18
	Subtest 3	22.15	21.90	21.95
	Subtest 4	21.76	21.81	21.97
	Subtest 5	21.96	21.89	22.14
WCDMA1900 (Band II) ANT 2 DSI 3 power		Averaged output Power (dBm)		
		9262CH	9400CH	9538cH
		1852.4	1880.0	1907.6
WCDMA	12.2kbps RMC	20.20	19.98	20.01
HSDPA	Subtest 1	18.27	18.31	18.47
	Subtest 2	18.27	18.04	18.03
	Subtest 3	18.47	18.31	18.59
	Subtest 4	17.93	17.77	17.80
HSUPA	Subtest 1	18.39	18.56	18.59
	Subtest 2	17.88	17.69	17.80
	Subtest 3	18.44	18.28	18.25
	Subtest 4	18.28	18.36	18.16
	Subtest 5	18.49	18.44	18.32
WCDMA1900 (Band II) ANT 3 Full power		Averaged output Power (dBm)		
		9262CH	9400CH	9538cH
		1852.4	1880.0	1907.6
WCDMA	12.2kbps RMC	22.85	22.35	22.68
HSDPA	Subtest 1	21.42	21.29	21.49
	Subtest 2	21.38	21.27	21.26
	Subtest 3	21.03	21.37	21.19
	Subtest 4	21.02	20.82	21.09
HSUPA	Subtest 1	21.06	21.13	20.97
	Subtest 2	21.10	21.16	21.13
	Subtest 3	21.40	21.41	21.33
	Subtest 4	20.71	20.76	20.84
	Subtest 5	21.17	21.02	21.11

WCDMA1900 (Band II) ANT 3 Full power		Averaged output Power (dBm)		
		9262CH	9400CH	9538cH
		1852.4	1880.0	1907.6
WCDMA	12.2kbps RMC	20.25	20.18	20.27
HSDPA	Subtest 1	19.02	18.93	18.87
	Subtest 2	19.07	19.23	18.93
	Subtest 3	18.68	18.77	18.61
	Subtest 4	19.14	18.89	18.97
HSUPA	Subtest 1	18.98	19.16	18.95
	Subtest 2	18.72	18.87	18.84
	Subtest 3	19.06	19.27	19.12
	Subtest 4	19.04	19.14	19.19
	Subtest 5	19.03	19.12	18.99

Note:

1. WCDMA SAR was tested under RMC 12.2kbps with HSPA Inactive per KDB Publication 941225 D01v03r01.HSPA SAR was not requires since the average output power of the HSPA subtests was not more than 0.25dB higher than the RMC level and SAR was less than 1.2W/kg.
2. It is expected by the manufacturer that MPR for some HSPA subtests may be up to 2dB more than specified by 3GPP, but also as low as 0dB according to the chipset implementation in this model

8.2 LTE Conducted peak output Power

LTE Test Configurations

The CMW500 Wide Band Radio Communication Tester was used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. SAR test were performed with the same number of RB and RB offsets transmitting on all frames.

1) Spectrum Plots for RB configurations

A properly configured base station simulator was used for LTE output power measurements and SAR testing. Therefore, spectrum plots for RB configurations were not required to be included in this report.

2) MPR

When MPR is implemented permanently within the UE, regardless of network requirements, only those RB configurations allowed by 3GPP for the channel bandwidth and modulation combinations may be tested with MPR active. Configurations with RB allocations less than the RB thresholds required by 3GPP must be tested without MPR.

The allowed Maximum Power Reduction(MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101:

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth configuration [RB]						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

3) A-MPR LTE procedures for SAR testing

A-MPR(Additional MPR) has been disabled for all SAR tests by using Network Signaling Value of "NS_01" on the base station simulator.

4) LTE procedures for SAR testing

A) Largest channel bandwidth standalone SAR test

requirements i) QPSK with 1 RB allocation

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

1. LTE Band 2 Conducted Power Test Verdict:

LTE FDD Band 2 ANT 2 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	23.97	23.89	23.75	23.5±1.0
		1	3	23.95	23.76	23.82	
		1	5	24.01	23.69	23.64	
		3	0	22.92	22.83	22.70	22.5±1.0
		3	2	22.80	22.70	22.75	
		3	3	22.93	22.82	22.62	
		6	0	22.81	22.79	22.66	22.5±1.0
	16QAM	1	0	22.83	22.76	22.73	22.5±1.0
		1	3	22.89	22.80	22.77	
		1	5	22.76	22.70	22.83	
		3	0	21.72	21.65	21.54	21.5±1.0
		3	2	21.68	21.55	21.58	
		3	3	21.81	21.60	21.49	
		6	0	21.70	21.53	21.46	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18615/1851.5	18900/1880	19185/1908.5	
3MHz	QPSK	1	0	23.81	23.72	23.84	23.5±1.0
		1	7	23.76	23.83	23.72	
		1	14	23.97	23.81	23.98	
		8	0	23.07	23.04	22.99	22.5±1.0
		8	4	22.99	23.11	23.05	
		8	7	23.09	23.13	23.06	
		15	0	23.00	22.99	23.11	22.5±1.0
	16QAM	1	0	23.02	22.94	23.07	22.5±1.0
		1	7	23.13	23.05	23.10	
		1	14	23.12	22.93	22.04	
		8	0	22.01	22.09	21.95	21.5±1.0
		8	4	22.12	22.04	21.93	
		8	7	22.06	21.96	22.15	
		15	0	21.99	22.08	22.06	21.5±1.0

LTE FDD Band 2 ANT 2 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18625/1852.5	18900/1880	19175/1907.5	
5MHz	QPSK	1	0	23.99	24.04	23.96	23.5±1.0
		1	13	24.04	23.89	23.83	
		1	24	24.13	23.80	23.63	
		12	0	22.97	22.94	22.80	22.5±1.0
		12	6	23.09	22.94	22.88	
		12	13	22.82	22.84	22.75	
		25	0	22.83	22.90	22.79	22.5±1.0
	16QAM	1	0	22.87	22.65	22.75	22.5±1.0
		1	13	22.97	22.82	22.82	
		1	24	22.93	22.75	22.87	
		12	0	21.95	21.99	21.85	21.5±1.0
		12	6	22.06	21.97	21.88	
		12	13	21.91	21.89	21.86	
		25	0	22.02	21.94	21.81	21.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	23.89	23.79	23.83	23.5±1.0
		1	25	24.03	23.88	23.68	
		1	49	24.06	23.80	23.69	
		25	0	22.92	22.84	22.81	22.5±1.0
		25	13	22.95	22.80	22.73	
		25	25	22.89	22.76	22.79	
		50	0	22.87	22.86	22.70	22.5±1.0
	16QAM	1	0	22.92	23.04	22.91	22.5±1.0
		1	25	23.11	23.07	22.82	
		1	49	22.85	22.97	22.86	
		25	0	21.86	21.90	21.80	21.5±1.0
		25	13	21.97	21.89	21.86	
		25	25	22.04	21.83	21.80	
		50	0	21.84	21.80	21.73	21.5±1.0

LTE FDD Band 2 ANT 2 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	23.74	23.67	23.71	23.5±1.0
		1	38	23.74	23.76	23.80	
		1	74	23.77	23.68	23.66	
		36	0	22.80	23.82	22.88	22.5±1.0
		36	18	22.85	23.81	22.75	
		36	39	22.71	23.62	22.69	
		75	0	22.61	22.76	22.71	22.5±1.0
	16QAM	1	0	23.03	22.85	22.92	22.5±1.0
		1	38	23.02	22.78	22.76	
		1	74	23.00	22.74	22.83	
		36	0	21.86	21.79	21.94	21.5±1.0
		36	18	21.95	21.87	21.94	
		36	39	21.99	21.88	22.02	
		75	0	21.83	21.78	21.71	21.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18700/1860	18900/1880	19100/1900	
20MHz	QPSK	1	0	23.78	23.91	23.83	23.5±1.0
		1	50	23.69	23.69	23.59	
		1	99	23.84	23.77	23.68	
		50	0	22.79	22.74	22.74	22.5±1.0
		50	25	22.81	22.75	22.73	
		50	50	22.65	22.59	22.53	
		100	0	22.74	22.73	22.64	22.5±1.0
	16QAM	1	0	22.84	22.73	22.84	22.5±1.0
		1	50	22.95	22.84	22.77	
		1	99	22.93	22.79	22.79	
		50	0	21.94	21.83	21.87	21.5±1.0
		50	25	21.94	21.72	21.98	
		50	50	21.87	21.79	21.79	
		100	0	21.93	21.78	21.80	21.5±1.0

LTE FDD Band 2 ANT 2 DSI 3 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	20.41	20.14	20.12	20.0±1.0
		1	3	20.33	20.24	19.96	
		1	5	20.36	20.28	20.07	
		3	0	20.22	19.87	19.80	19.5±1.0
		3	2	20.22	19.89	19.80	
		3	3	20.21	19.88	19.80	
		6	0	20.22	19.92	19.84	19.5±1.0
	16QAM	1	0	20.08	19.94	19.78	19.5±1.0
		1	3	20.00	20.07	19.79	
		1	5	20.01	19.95	19.86	
		3	0	20.05	19.90	19.79	19.5±1.0
		3	2	20.18	19.91	19.82	
		3	3	20.08	19.89	19.75	
		6	0	20.04	19.95	19.76	19.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18615/1851.5	18900/1880	19185/1908.5	
3MHz	QPSK	1	0	20.72	20.54	20.22	20.0±1.0
		1	7	20.72	20.64	20.39	
		1	14	20.57	20.57	20.38	
		8	0	20.19	20.23	20.05	19.5±1.0
		8	4	20.18	20.22	19.96	
		8	7	20.17	20.14	20.06	
		15	0	20.03	20.04	19.94	19.5±1.0
	16QAM	1	0	20.09	19.91	19.98	19.5±1.0
		1	7	20.12	20.04	19.59	
		1	14	19.93	19.97	19.79	
		8	0	20.03	20.06	19.87	19.5±1.0
		8	4	19.99	20.04	19.86	
		8	7	20.00	19.98	19.98	
		15	0	19.99	19.94	19.74	19.5±1.0

LTE FDD Band 2 ANT 2 DSI 3 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18625/1852.5	18900/1880	19175/1907.5	
5MHz	QPSK	1	0	20.24	20.11	20.02	20.0±1.0
		1	13	20.32	20.17	20.13	
		1	24	20.29	20.04	20.01	
		12	0	20.26	20.05	20.14	20.0±1.0
		12	6	20.26	20.04	20.04	
		12	13	20.17	19.98	20.03	
		25	0	20.24	19.97	19.87	19.5±1.0
	16QAM	1	0	20.01	19.82	19.96	19.5±1.0
		1	13	20.12	20.01	20.09	
		1	24	20.06	19.96	19.94	
		12	0	20.07	20.04	19.91	19.5±1.0
		12	6	20.06	20.07	19.95	
		12	13	19.95	19.97	19.86	
		25	0	20.01	20.03	19.94	19.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	20.74	20.68	20.42	20.0±1.0
		1	25	20.63	20.74	20.59	
		1	49	20.66	20.62	20.55	
		25	0	20.25	20.18	19.90	19.5±1.0
		25	13	20.25	20.20	20.09	
		25	25	20.22	20.15	19.92	
		50	0	20.18	20.12	19.87	19.5±1.0
	16QAM	1	0	20.12	20.04	20.04	19.5±1.0
		1	25	20.22	20.09	19.84	
		1	49	20.16	20.13	20.06	
		25	0	20.20	20.08	19.91	19.5±1.0
		25	13	20.22	20.17	20.03	
		25	25	20.14	20.15	19.93	
		50	0	20.13	20.11	19.84	19.5±1.0

LTE FDD Band 2 ANT 2 DSI 3 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	20.61	20.58	20.39	20.0±1.0
		1	38	20.73	20.63	20.59	
		1	74	20.66	20.67	20.50	
		36	0	20.74	20.67	20.60	20.0±1.0
		36	18	20.73	20.62	20.60	
		36	39	20.68	20.55	20.39	
		75	0	19.96	19.78	19.82	19.5±1.0
	16QAM	1	0	19.90	20.02	20.07	19.5±1.0
		1	38	20.09	20.06	20.16	
		1	74	20.06	20.04	19.86	
		36	0	20.14	19.98	20.02	19.5±1.0
		36	18	20.12	20.02	20.05	
		36	39	20.02	20.04	19.91	
		75	0	19.96	19.82	19.80	19.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18700/1860	18900/1880	19100/1900	
20MHz	QPSK	1	0	20.34	20.42	20.49	20.0±1.0
		1	50	20.27	20.65	20.17	
		1	99	20.43	20.70	20.35	
		50	0	20.01	19.91	19.85	19.5±1.0
		50	25	20.01	19.91	19.84	
		50	50	19.79	19.76	19.68	
		100	0	19.92	19.86	19.76	19.5±1.0
	16QAM	1	0	19.64	19.48	19.39	19.5±1.0
		1	50	19.98	20.01	19.85	
		1	99	20.17	19.88	19.97	
		50	0	20.00	19.92	19.87	19.5±1.0
		50	25	20.04	19.90	19.86	
		50	50	19.79	19.75	19.68	
		100	0	19.90	19.84	19.77	19.5±1.0

LTE FDD Band 2 ANT 3 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	23.32	23.23	23.34	23.0±1.0
		1	3	23.25	23.19	23.19	
		1	5	23.35	23.38	23.30	
		3	0	22.25	22.26	22.28	22.0±1.0
		3	2	22.20	22.35	22.27	
		3	3	22.28	22.24	22.32	
		6	0	22.17	22.23	22.19	21.5±1.0
	16QAM	1	0	22.27	22.41	22.31	22.0±1.0
		1	3	22.20	22.25	22.22	
		1	5	22.30	22.37	22.27	
		3	0	21.43	21.33	21.37	21.0±1.0
		3	2	21.40	21.42	21.21	
		3	3	21.35	21.44	21.45	
		6	0	21.32	21.20	21.32	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18615/1851.5	18900/1880	19185/1908.5	
3MHz	QPSK	1	0	23.29	23.47	23.34	23.0±1.0
		1	7	23.18	23.32	23.25	
		1	14	23.32	23.28	23.36	
		8	0	22.42	22.30	22.28	22.0±1.0
		8	4	22.50	22.32	22.35	
		8	7	22.47	22.16	22.19	
		15	0	22.39	22.20	22.11	22.0±1.0
	16QAM	1	0	22.17	22.34	22.29	22.0±1.0
		1	7	22.20	22.26	22.16	
		1	14	22.22	22.41	22.38	
		8	0	21.34	21.32	21.17	21.0±1.0
		8	4	21.53	21.28	21.21	
		8	7	21.45	21.19	21.05	
		15	0	21.41	21.11	21.15	21.0±1.0

LTE FDD Band 2 ANT 3 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18625/1852.5	18900/1880	19175/1907.5	
5MHz	QPSK	1	0	23.32	23.44	23.36	23.0±1.0
		1	13	23.29	23.37	23.28	
		1	24	23.17	23.52	23.23	
		12	0	22.26	22.11	22.12	22.0±1.0
		12	6	22.24	22.13	22.16	
		12	13	22.18	22.07	22.07	
		25	0	22.21	22.06	22.11	21.5±1.0
	16QAM	1	0	22.04	21.44	21.75	22.0±1.0
		1	13	22.14	21.37	21.95	
		1	24	22.16	21.52	21.78	
		12	0	21.31	21.18	21.13	21.0±1.0
		12	6	21.27	21.21	21.17	
		12	13	21.14	21.06	21.06	
		25	0	21.33	21.08	21.11	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	23.24	23.47	23.26	23.0±1.0
		1	25	23.33	23.32	23.19	
		1	49	23.26	23.40	22.97	
		25	0	22.20	22.19	22.15	22.0±1.0
		25	13	22.24	22.26	22.21	
		25	25	22.16	22.08	22.13	
		50	0	22.14	22.07	22.08	21.5±1.0
	16QAM	1	0	22.34	22.37	22.44	22.0±1.0
		1	25	22.44	22.27	22.48	
		1	49	22.37	22.35	22.41	
		25	0	21.25	21.14	21.11	20.5±1.0
		25	13	21.25	21.17	21.15	
		25	25	21.24	21.09	21.03	
		50	0	21.17	21.08	21.02	20.5±1.0

LTE FDD Band 2 ANT 3 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	23.30	23.31	23.42	23.0±1.0
		1	38	23.42	23.26	23.30	
		1	74	23.36	23.43	23.44	
		36	0	22.39	22.40	22.46	22.0±1.0
		36	18	22.41	22.42	22.37	
		36	39	22.21	22.47	22.29	
		75	0	22.22	22.31	22.24	22.0±1.0
	16QAM	1	0	22.37	22.50	22.34	22.0±1.0
		1	38	22.59	22.40	22.49	
		1	74	22.44	22.38	22.41	
		36	0	21.25	21.42	21.59	21.0±1.0
		36	18	21.36	21.39	21.50	
		36	39	21.48	21.46	21.49	
		75	0	21.35	21.19	21.41	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18700/1860	18900/1880	19100/1900	
20MHz	QPSK	1	0	23.42	23.30	23.43	23.0±1.0
		1	50	23.29	23.44	23.45	
		1	99	23.34	23.23	23.52	
		50	0	22.26	22.25	22.35	22.0±1.0
		50	25	22.38	22.39	22.21	
		50	50	22.29	22.27	22.36	
		100	0	22.20	22.16	22.11	21.5±1.0
	16QAM	1	0	22.34	22.35	22.31	22.0±1.0
		1	50	22.21	22.46	22.42	
		1	99	22.27	22.39	22.26	
		50	0	21.19	21.35	21.25	21.0±1.0
		50	25	21.26	21.45	21.36	
		50	50	21.18	21.37	21.21	
		100	0	21.11	21.32	21.19	21.0±1.0

LTE FDD Band 2 ANT 3 DSI 3 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	20.27	20.16	20.08	20.0±1.0
		1	3	20.28	20.22	20.11	
		1	5	20.33	20.14	20.10	
		3	0	19.77	19.64	19.60	19.5±1.0
		3	2	19.78	19.63	19.63	
		3	3	19.76	19.64	19.59	
		6	0	19.75	19.62	19.57	19.0±1.0
	16QAM	1	0	19.86	19.75	19.70	19.5±1.0
		1	3	19.88	19.83	19.72	
		1	5	19.79	19.81	19.75	
		3	0	19.75	19.75	19.67	19.5±1.0
		3	2	19.76	19.73	19.61	
		3	3	19.71	19.72	19.62	
		6	0	19.86	19.72	19.65	19.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18615/1851.5	18900/1880	19185/1908.5	
3MHz	QPSK	1	0	20.36	20.25	20.12	20.0±1.0
		1	7	20.12	20.33	20.23	
		1	14	20.46	20.29	20.39	
		8	0	19.97	19.95	19.91	19.5±1.0
		8	4	20.21	19.95	19.69	
		8	7	19.84	19.86	19.93	
		15	0	19.46	19.72	19.71	19.0±1.0
	16QAM	1	0	19.84	19.58	19.56	19.5±1.0
		1	7	19.66	19.72	19.71	
		1	14	19.72	19.66	19.43	
		8	0	20.02	19.76	19.64	19.5±1.0
		8	4	19.51	19.75	19.55	
		8	7	19.84	19.69	19.52	
		15	0	19.72	19.65	19.77	19.5±1.0

LTE FDD Band 2 ANT 3 DSI 3 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18625/1852.5	18900/1880	19175/1907.5	
5MHz	QPSK	1	0	20.10	20.15	20.18	20.0±1.0
		1	13	20.29	20.29	20.21	
		1	24	20.17	20.27	20.36	
		12	0	19.85	19.78	19.73	19.5±1.0
		12	6	19.84	19.79	19.75	
		12	13	19.76	19.72	19.66	
		25	0	19.79	19.70	19.64	19.5±1.0
	16QAM	1	0	19.66	19.56	19.95	19.5±1.0
		1	13	19.80	19.78	20.05	
		1	24	19.71	19.60	20.01	
		12	0	19.82	19.78	19.80	19.5±1.0
		12	6	19.87	19.77	19.79	
		12	13	19.73	19.66	19.69	
		25	0	19.92	19.77	19.68	19.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	20.35	20.36	20.22	20.0±1.0
		1	25	20.42	20.30	20.25	
		1	49	20.37	20.28	20.24	
		25	0	19.89	19.71	19.67	19.5±1.0
		25	13	19.89	19.70	19.65	
		25	25	19.84	19.64	19.66	
		50	0	19.79	19.60	19.64	19.5±1.0
	16QAM	1	0	19.78	19.71	19.65	19.5±1.0
		1	25	19.85	19.78	19.63	
		1	49	19.81	19.67	19.66	
		25	0	19.80	19.61	19.62	19.5±1.0
		25	13	19.82	19.61	19.59	
		25	25	19.73	19.60	19.61	
		50	0	19.78	19.61	19.61	19.5±1.0

LTE FDD Band 2 ANT 3 DSI 3 Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	20.33	20.35	20.19	20.0±1.0
		1	38	20.31	20.32	20.32	
		1	74	20.19	20.20	20.32	
		36	0	19.92	19.93	19.95	19.5±1.0
		36	18	19.98	19.91	19.92	
		36	39	19.85	19.89	19.80	
		75	0	19.58	19.59	19.58	19.5±1.0
	16QAM	1	0	19.65	19.58	19.59	19.5±1.0
		1	38	19.74	19.70	19.70	
		1	74	19.68	19.58	19.65	
		36	0	19.93	19.99	19.96	19.5±1.0
		36	18	19.95	19.85	19.89	
		36	39	19.82	19.88	19.79	
		75	0	19.58	19.64	19.63	19.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				18700/1860	18900/1880	19100/1900	
20MHz	QPSK	1	0	20.28	20.32	20.31	20.0±1.0
		1	50	20.13	20.08	20.14	
		1	99	20.25	20.32	20.27	
		50	0	19.61	19.55	19.71	19.5±1.0
		50	25	19.65	19.56	19.63	
		50	50	19.51	19.41	19.47	
		100	0	19.51	19.56	19.56	19.5±1.0
	16QAM	1	0	19.20	19.16	19.32	19.5±1.0
		1	50	19.64	19.64	19.47	
		1	99	19.78	19.73	19.63	
		50	0	19.68	19.53	19.59	19.5±1.0
		50	25	19.71	19.52	19.61	
		50	50	19.40	19.43	19.48	
		100	0	19.55	19.54	19.56	19.5±1.0

2. LTE Band 4 Conducted Power Test Verdict:

LTE FDD Band 4 ANT 2 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19957/1710.7	20175/1732.5	20393/1754.3	
1.4MHz	QPSK	1	0	23.42	23.51	23.38	23.0±1.0
		1	3	23.20	23.60	23.33	
		1	5	23.21	23.32	23.45	
		3	0	22.64	22.58	22.54	22.0±1.0
		3	2	22.53	22.59	22.60	
		3	3	22.43	22.63	22.53	
		6	0	22.44	22.51	22.59	22.0±1.0
	16QAM	1	0	22.59	22.54	22.65	22.0±1.0
		1	3	22.54	22.72	22.61	
		1	5	22.62	22.41	22.68	
		3	0	21.64	21.59	21.52	21.0±1.0
		3	2	21.52	21.66	21.53	
		3	3	21.64	21.64	21.60	
		6	0	21.62	21.58	21.46	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19965/1711.5	20175/1732.5	20385/1753.5	
3MHz	QPSK	1	0	23.46	23.39	23.31	23.0±1.0
		1	7	23.38	23.57	23.43	
		1	14	23.42	23.52	23.37	
		8	0	22.44	22.41	22.30	22.0±1.0
		8	4	22.41	22.46	22.42	
		8	7	22.32	22.48	22.28	
		15	0	22.45	22.48	22.36	22.0±1.0
	16QAM	1	0	22.54	22.62	22.63	22.0±1.0
		1	7	22.63	22.67	22.57	
		1	14	22.61	22.66	22.65	
		8	0	21.42	21.55	21.38	21.0±1.0
		8	4	21.57	21.59	21.43	
		8	7	21.51	21.68	21.57	
		15	0	21.53	21.59	21.51	21.0±1.0

LTE FDD Band 4 ANT 2 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19975/1712.5	20175/1732.5	20375/1752.5	
5MHz	QPSK	1	0	23.34	23.38	23.46	23.0±1.0
		1	13	23.38	23.52	23.55	
		1	24	23.44	23.55	23.54	
		12	0	22.49	22.57	22.66	22.0±1.0
		12	6	22.47	22.64	22.62	
		12	13	22.41	22.56	22.59	
		25	0	22.48	22.54	22.62	22.0±1.0
	16QAM	1	0	22.27	22.46	22.38	22.0±1.0
		1	13	22.34	22.57	22.48	
		1	24	22.37	22.43	22.47	
		12	0	21.56	21.56	21.53	21.0±1.0
		12	6	21.58	21.58	21.58	
		12	13	21.42	21.52	21.45	
		25	0	21.53	21.55	21.44	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20000/1715	20175/1732.5	20350/1750	
10MHz	QPSK	1	0	23.49	23.55	23.55	23.0±1.0
		1	25	23.53	23.58	23.63	
		1	49	23.38	23.29	23.49	
		25	0	22.41	22.49	22.62	22.0±1.0
		25	13	22.43	22.51	22.59	
		25	25	22.52	22.63	22.58	
		50	0	22.50	22.64	22.56	22.0±1.0
	16QAM	1	0	22.65	22.64	22.59	22.0±1.0
		1	25	22.54	22.61	22.71	
		1	49	22.62	22.42	22.68	
		25	0	21.54	21.60	21.66	21.0±1.0
		25	13	21.54	21.59	21.68	
		25	25	21.58	21.70	21.65	
		50	0	21.54	21.61	21.58	21.0±1.0

LTE FDD Band 4 ANT 2 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20025/1717.5	20175/1732.5	20325/1747.5	
15MHz	QPSK	1	0	23.56	23.42	23.40	23.0±1.0
		1	38	23.30	23.28	23.40	
		1	74	23.34	23.39	23.26	
		36	0	22.56	22.63	22.59	22.0±1.0
		36	18	22.49	22.58	22.51	
		36	39	22.61	22.65	22.46	
		75	0	22.52	22.59	22.50	22.0±1.0
	16QAM	1	0	22.54	22.57	22.56	22.0±1.0
		1	38	22.62	22.38	22.41	
		1	74	22.51	22.63	22.57	
		36	0	21.47	21.55	21.52	21.0±1.0
		36	18	21.53	21.59	21.30	
		36	39	21.58	21.60	21.49	
		75	0	21.49	21.46	21.37	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20050/1720	20175/1732.5	20300/1745	
20MHz	QPSK	1	0	23.45	23.39	23.56	23.0±1.0
		1	50	23.31	23.26	23.40	
		1	99	23.50	23.47	23.59	
		50	0	22.31	22.46	22.49	22.0±1.0
		50	25	22.41	22.49	22.57	
		50	50	22.35	22.38	22.50	
		100	0	22.38	22.52	22.48	22.0±1.0
	16QAM	1	0	22.58	22.48	22.59	22.0±1.0
		1	50	22.56	22.56	22.77	
		1	99	22.63	22.67	22.64	
		50	0	21.30	21.39	21.48	21.0±1.0
		50	25	21.28	21.38	21.47	
		50	50	21.39	21.39	21.50	
		100	0	21.41	21.56	21.52	21.0±1.0

LTE FDD Band 4 ANT 2 DSI 3 power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19957/1710.7	20175/1732.5	20393/1754.3	
1.4MHz	QPSK	1	0	20.36	20.40	20.48	20.0±1.0
		1	3	20.33	20.53	20.44	
		1	5	20.41	20.46	20.48	
		3	0	20.05	20.16	20.09	19.5±1.0
		3	2	20.07	20.19	20.11	
		3	3	20.11	20.04	20.10	
		6	0	19.96	20.08	20.12	19.5±1.0
	16QAM	1	0	20.25	20.33	20.29	20.0±1.0
		1	3	20.33	20.41	20.30	
		1	5	20.27	20.35	20.32	
		3	0	20.21	20.20	20.16	19.5±1.0
		3	2	20.21	20.20	20.15	
		3	3	20.22	20.06	20.21	
		6	0	20.12	20.11	20.09	19.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19965/1711.5	20175/1732.5	20385/1753.5	
3MHz	QPSK	1	0	20.31	20.89	20.58	20.5±1.0
		1	7	20.21	20.99	20.35	
		1	14	20.30	20.81	20.47	
		8	0	20.29	20.47	20.39	20.0±1.0
		8	4	20.34	20.51	20.33	
		8	7	20.21	20.51	20.47	
		15	0	20.17	20.43	20.43	20.0±1.0
	16QAM	1	0	20.16	20.30	20.39	20.0±1.0
		1	7	20.17	20.38	20.22	
		1	14	20.24	20.32	20.42	
		8	0	20.12	20.28	20.44	20.0±1.0
		8	4	20.10	20.32	20.30	
		8	7	20.12	20.34	20.25	
		15	0	20.05	20.35	20.18	20.0±1.0

LTE FDD Band 4 ANT 2 DSI 3 power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19975/1712.5	20175/1732.5	20375/1752.5	
5MHz	QPSK	1	0	20.69	20.49	20.55	20.0±1.0
		1	13	20.73	20.65	20.72	
		1	24	20.74	20.56	20.64	
		12	0	20.26	20.43	20.46	20.0±1.0
		12	6	20.27	20.45	20.52	
		12	13	20.21	20.38	20.47	
		25	0	20.28	20.38	20.41	20.0±1.0
	16QAM	1	0	20.23	20.21	20.25	20.0±1.0
		1	13	20.20	20.35	20.36	
		1	24	20.22	20.29	20.35	
		12	0	20.37	20.41	20.50	20.0±1.0
		12	6	20.36	20.41	20.49	
		12	13	20.24	20.40	20.43	
		25	0	20.37	20.42	20.46	20.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20000/1715	20175/1732.5	20350/1750	
10MHz	QPSK	1	0	21.00	21.08	21.06	20.5±1.0
		1	25	21.06	21.11	21.08	
		1	49	20.87	20.93	20.96	
		25	0	20.27	20.40	20.47	20.0±1.0
		25	13	20.29	20.38	20.44	
		25	25	20.34	20.54	20.44	
		50	0	20.35	20.48	20.43	20.0±1.0
	16QAM	1	0	20.38	20.49	20.51	20.0±1.0
		1	25	20.42	20.47	20.53	
		1	49	20.21	20.32	20.31	
		25	0	20.24	20.34	20.37	20.0±1.0
		25	13	20.24	20.34	20.39	
		25	25	20.27	20.46	20.37	
		50	0	20.33	20.49	20.41	20.0±1.0

LTE FDD Band 4 ANT 2 DSI 3 power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20025/1717.5	20175/1732.5	20325/1747.5	
15MHz	QPSK	1	0	21.06	21.01	21.02	20.5±1.0
		1	38	20.92	21.08	21.13	
		1	74	20.87	21.01	20.82	
		36	0	20.49	20.54	20.57	20.0±1.0
		36	18	20.53	20.55	20.58	
		36	39	20.55	20.49	20.41	
		75	0	20.16	20.31	20.34	20.0±1.0
	16QAM	1	0	20.74	20.87	20.88	20.5±1.0
		1	38	20.73	20.82	20.90	
		1	74	20.85	20.79	20.84	
		36	0	20.40	20.38	20.38	20.0±1.0
		36	18	20.26	20.42	20.48	
		36	39	20.22	20.33	20.23	
		75	0	20.14	20.30	20.32	20.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20050/1720	20175/1732.5	20300/1745	
20MHz	QPSK	1	0	20.86	20.85	21.06	20.5±1.0
		1	50	20.84	20.87	20.93	
		1	99	20.92	21.06	21.04	
		50	0	20.74	20.76	20.69	20.0±1.0
		50	25	20.61	20.79	20.68	
		50	50	20.72	20.81	20.73	
		100	0	20.66	20.60	20.63	20.0±1.0
	16QAM	1	0	20.42	20.35	20.39	20.0±1.0
		1	50	20.39	20.26	20.46	
		1	99	20.56	20.40	20.58	
		50	0	20.14	20.28	20.31	20.0±1.0
		50	25	20.13	20.29	20.32	
		50	50	20.20	20.34	20.28	
		100	0	20.21	20.29	20.28	20.0±1.0

LTE FDD Band 4 ANT 3 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19957/1710.7	20175/1732.5	20393/1754.3	
1.4MHz	QPSK	1	0	22.64	22.49	22.43	23.5±1.0
		1	3	22.43	22.58	22.39	
		1	5	22.45	22.74	22.40	
		3	0	21.40	21.66	21.61	22.0±1.0
		3	2	21.33	21.75	21.55	
		3	3	21.43	21.52	21.59	
		6	0	21.30	21.59	21.46	22.0±1.0
	16QAM	1	0	21.46	21.66	21.56	22.5±1.0
		1	3	21.46	21.87	21.55	
		1	5	21.49	21.78	21.68	
		3	0	20.57	20.69	20.43	21.5±1.0
		3	2	20.58	20.68	20.56	
		3	3	20.67	20.54	20.41	
		6	0	20.42	20.47	20.44	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19965/1711.5	20175/1732.5	20385/1753.5	
3MHz	QPSK	1	0	1711.5MHz	1732.5MHz	1753.5MHz	23.5±1.0
		1	7	22.56	22.48	22.43	
		1	14	22.44	22.54	22.59	
		8	0	22.47	22.48	22.30	22.0±1.0
		8	4	21.48	21.47	21.51	
		8	7	21.33	21.55	21.35	
		15	0	21.35	21.59	21.59	22.0±1.0
	16QAM	1	0	21.45	21.48	21.46	22.5±1.0
		1	7	21.62	21.60	21.56	
		1	14	21.36	21.71	21.75	
		8	0	21.59	21.53	21.48	21.5±1.0
		8	4	20.52	20.47	20.55	
		8	7	20.48	20.58	20.46	
		15	0	20.47	20.41	20.41	21.5±1.0

LTE FDD Band 4 ANT 3 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19975/1712.5	20175/1732.5	20375/1752.5	
5MHz	QPSK	1	0	22.36	22.45	22.51	23.5±1.0
		1	13	22.55	22.68	22.63	
		1	24	22.47	22.57	22.65	
		12	0	21.60	21.72	21.71	22.5±1.0
		12	6	21.66	21.63	21.81	
		12	13	21.52	21.67	21.70	
		25	0	21.56	21.62	21.65	22.0±1.0
	16QAM	1	0	21.30	21.41	21.43	22.5±1.0
		1	13	21.34	21.54	21.47	
		1	24	21.33	21.42	21.50	
		12	0	20.60	20.70	20.75	21.5±1.0
		12	6	20.59	20.69	20.78	
		12	13	20.46	20.65	20.69	
		25	0	20.56	20.68	20.73	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20000/1715	20175/1732.5	20350/1750	
10MHz	QPSK	1	0	22.59	22.64	22.61	23.5±1.0
		1	25	22.62	22.55	22.62	
		1	49	22.38	22.45	22.53	
		25	0	21.53	21.83	21.65	22.0±1.0
		25	13	21.51	21.47	21.66	
		25	25	21.56	21.56	21.51	
		50	0	21.62	21.46	21.45	22.0±1.0
	16QAM	1	0	21.75	21.82	21.62	22.5±1.0
		1	25	21.65	21.61	21.54	
		1	49	21.42	21.75	21.69	
		25	0	20.57	20.82	20.75	21.5±1.0
		25	13	20.54	20.61	20.76	
		25	25	20.58	20.86	20.70	
		50	0	20.42	20.67	20.59	21.0±1.0

LTE FDD Band 4 ANT 3 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20025/1717.5	20175/1732.5	20325/1747.5	
15MHz	QPSK	1	0	22.55	22.39	22.41	23.5±1.0
		1	38	22.37	22.56	22.53	
		1	74	22.33	22.52	22.37	
		36	0	21.41	21.42	21.51	22.5±1.0
		36	18	21.38	21.56	21.58	
		36	39	21.48	21.39	21.42	
		75	0	21.34	21.67	21.59	22.0±1.0
	16QAM	1	0	21.55	21.41	21.69	22.5±1.0
		1	38	21.63	21.63	21.46	
		1	74	21.50	21.52	21.54	
		36	0	20.52	20.52	20.62	21.5±1.0
		36	18	20.33	20.69	20.52	
		36	39	20.46	20.41	20.59	
		75	0	20.41	20.55	20.57	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20050/1720	20175/1732.5	20300/1745	
20MHz	QPSK	1	0	22.38	22.45	22.48	23.5±1.0
		1	50	22.21	22.38	22.40	
		1	99	22.47	22.53	22.57	
		50	0	21.36	21.53	21.58	22.5±1.0
		50	25	21.44	21.50	21.57	
		50	50	21.45	21.59	21.59	
		100	0	21.49	21.60	21.57	22.0±1.0
	16QAM	1	0	21.51	21.66	21.61	22.5±1.0
		1	50	21.61	21.65	21.74	
		1	99	21.56	21.68	21.58	
		50	0	20.40	20.54	20.53	21.0±1.0
		50	25	20.33	20.55	20.54	
		50	50	20.44	20.58	20.55	
		100	0	20.49	20.56	20.58	21.0±1.0

LTE FDD Band 4 ANT 3 DSI 3 power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19957/1710.7	20175/1732.5	20393/1754.3	
1.4MHz	QPSK	1	0	19.79	19.94	19.89	19.5±1.0
		1	3	19.74	20.05	19.90	
		1	5	19.81	20.00	19.92	
		3	0	19.84	20.05	19.91	19.5±1.0
		3	2	19.81	20.04	19.90	
		3	3	19.83	19.90	19.95	
		6	0	19.73	19.96	19.87	19.5±1.0
	16QAM	1	0	19.90	20.04	20.01	19.5±1.0
		1	3	19.94	20.16	19.98	
		1	5	19.99	20.08	20.05	
		3	0	19.81	20.23	19.88	19.5±1.0
		3	2	19.81	20.25	19.88	
		3	3	19.86	20.09	19.90	
		6	0	19.79	19.72	19.94	19.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19965/1711.5	20175/1732.5	20385/1753.5	
3MHz	QPSK	1	0	20.33	20.51	20.35	20.0±1.0
		1	7	20.66	20.56	20.76	
		1	14	20.38	20.54	20.71	
		8	0	20.11	20.10	20.15	19.5±1.0
		8	4	20.10	20.10	20.00	
		8	7	20.02	20.13	20.02	
		15	0	20.13	19.99	19.84	19.5±1.0
	16QAM	1	0	19.74	19.91	20.05	19.5±1.0
		1	7	19.71	19.97	20.08	
		1	14	19.72	19.91	20.03	
		8	0	20.15	19.92	19.85	19.5±1.0
		8	4	19.81	19.92	20.06	
		8	7	20.13	19.96	19.93	
		15	0	20.04	19.94	20.18	19.5±1.0

LTE FDD Band 4 ANT 3 DSI 3 power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				19975/1712.5	20175/1732.5	20375/1752.5	
5MHz	QPSK	1	0	20.16	19.82	20.27	20.0±1.0
		1	13	20.25	19.89	20.36	
		1	24	20.24	19.83	20.32	
		12	0	20.02	20.06	20.15	19.5±1.0
		12	6	20.01	20.07	20.11	
		12	13	19.89	19.98	20.05	
		25	0	19.91	20.03	20.01	19.5±1.0
	16QAM	1	0	19.86	19.92	19.96	19.5±1.0
		1	13	19.98	20.03	20.12	
		1	24	19.96	19.98	20.06	
		12	0	19.94	20.00	20.07	19.5±1.0
		12	6	19.92	20.01	20.06	
		12	13	19.82	19.98	20.01	
		25	0	19.95	19.94	19.99	19.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20000/1715	20175/1732.5	20350/1750	
10MHz	QPSK	1	0	20.66	20.68	20.67	20.0±1.0
		1	25	20.67	20.69	20.73	
		1	49	20.47	20.55	20.54	
		25	0	19.95	20.01	20.05	19.5±1.0
		25	13	19.94	20.00	20.02	
		25	25	19.99	20.14	20.07	
		50	0	19.94	20.11	19.95	19.5±1.0
	16QAM	1	0	20.03	20.07	20.09	19.5±1.0
		1	25	20.05	20.05	20.06	
		1	49	19.85	19.90	19.93	
		25	0	19.84	19.95	19.97	19.5±1.0
		25	13	19.85	19.95	19.96	
		25	25	19.89	20.08	19.98	
		50	0	19.97	20.05	19.99	19.5±1.0

LTE FDD Band 4 ANT 3 DSI 3 power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20025/1717.5	20175/1732.5	20325/1747.5	
15MHz	QPSK	1	0	20.72	20.60	20.52	20.0±1.0
		1	38	20.53	20.66	20.33	
		1	74	20.50	20.59	20.47	
		36	0	20.17	20.25	20.18	20.0±1.0
		36	18	20.16	20.38	20.17	
		36	39	20.26	20.12	20.21	
		75	0	19.76	19.94	19.91	19.5±1.0
	16QAM	1	0	20.00	19.96	19.95	19.5±1.0
		1	38	19.88	20.00	20.03	
		1	74	19.84	19.95	19.82	
		36	0	19.57	19.67	19.72	19.5±1.0
		36	18	19.55	19.81	19.75	
		36	39	19.62	19.59	19.57	
		75	0	19.70	19.90	19.89	19.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20050/1720	20175/1732.5	20300/1745	
20MHz	QPSK	1	0	20.06	20.27	20.02	20.0±1.0
		1	50	20.02	20.09	20.11	
		1	99	20.21	20.29	20.20	
		50	0	19.71	19.86	19.87	19.5±1.0
		50	25	19.72	19.87	19.86	
		50	50	20.02	19.89	19.86	
		100	0	19.83	19.90	19.90	19.5±1.0
	16QAM	1	0	19.79	19.75	19.81	19.5±1.0
		1	50	19.84	19.82	19.87	
		1	99	19.94	19.98	19.98	
		50	0	19.76	19.84	19.93	19.5±1.0
		50	25	19.80	19.86	19.92	
		50	50	19.77	19.90	19.90	
		100	0	19.82	19.86	19.87	19.5±1.0

3. LTE Band 5 Conducted Power Test Verdict:

LTE FDD Band 5 ANT 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20407/824.7	20525/836.5	20643/848.3	
1.4MHz	QPSK	1	0	24.25	24.26	24.09	24.0±1.0
		1	3	24.31	24.14	24.23	
		1	5	24.36	24.12	24.15	
		3	0	23.32	23.18	23.30	23.0±1.0
		3	2	23.34	23.11	23.19	
		3	3	23.21	23.16	23.27	
		6	0	23.13	23.09	23.23	22.5±1.0
	16QAM	1	0	23.20	23.24	23.24	23.0±1.0
		1	3	23.18	23.22	23.27	
		1	5	23.26	23.48	23.30	
		3	0	22.36	22.17	22.48	22.0±1.0
		3	2	22.33	22.12	22.46	
		3	3	22.28	22.23	22.56	
		6	0	22.19	22.18	22.37	22.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20415/825.5	20525/836.5	20635/847.5	
3MHz	QPSK	1	0	24.29	24.35	24.32	24.0±1.0
		1	7	24.33	24.21	24.41	
		1	14	24.12	24.28	24.53	
		8	0	23.24	23.19	23.11	23.0±1.0
		8	4	23.22	23.21	23.32	
		8	7	23.21	23.12	23.23	
		15	0	23.11	23.16	23.27	23.0±1.0
	16QAM	1	0	23.22	23.38	23.32	23.0±1.0
		1	7	23.25	23.40	23.25	
		1	14	23.26	23.45	23.21	
		8	0	22.26	22.38	22.38	22.0±1.0
		8	4	22.35	22.40	22.22	
		8	7	22.13	22.29	22.15	
		15	0	22.11	22.27	22.23	22.0±1.0

LTE FDD Band 5 ANT 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20425/826.5	20525/836.5	20625/846.5	
5MHz	QPSK	1	0	24.32	24.27	24.45	24.0±1.0
		1	13	24.45	24.38	24.25	
		1	24	24.47	24.17	24.31	
		12	0	23.22	23.13	23.28	23.0±1.0
		12	6	23.29	23.23	23.27	
		12	13	23.16	23.17	23.34	
		25	0	23.20	23.16	23.26	23.0±1.0
	16QAM	1	0	23.21	23.15	23.14	23.0±1.0
		1	13	23.23	23.24	23.17	
		1	24	23.28	23.11	23.29	
		12	0	22.25	22.25	22.31	22.0±1.0
		12	6	22.27	22.30	22.35	
		12	13	22.16	22.23	22.14	
		25	0	22.24	22.31	22.32	22.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20450/829	20525/836.5	20600/844	
10MHz	QPSK	1	0	24.55	24.38	24.47	24.0±1.0
		1	25	24.44	24.27	24.26	
		1	49	24.40	24.31	24.35	
		25	0	23.27	23.28	23.26	23.0±1.0
		25	13	23.27	23.27	23.25	
		25	25	23.30	23.26	23.34	
		50	0	23.28	23.21	23.28	23.0±1.0
	16QAM	1	0	23.31	23.29	23.34	23.0±1.0
		1	25	23.47	23.36	23.41	
		1	49	23.43	23.40	23.32	
		25	0	22.41	22.56	22.46	22.0±1.0
		25	13	22.37	22.36	22.38	
		25	25	22.34	22.34	22.57	
		50	0	22.20	22.29	22.28	22.0±1.0

LTE FDD Band 5 ANT 3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20407/824.7	20525/836.5	20643/848.3	
1.4MHz	QPSK	1	0	24.25	24.29	24.33	24.0±1.0
		1	3	23.96	24.22	24.29	
		1	5	24.08	24.10	24.24	
		3	0	23.02	23.07	23.03	22.5±1.0
		3	2	22.81	23.03	22.94	
		3	3	22.97	23.10	23.19	
		6	0	22.87	23.01	23.02	22.5±1.0
	16QAM	1	0	23.13	23.12	23.29	23.0±1.0
		1	3	23.08	23.18	23.11	
		1	5	23.16	23.21	23.21	
		3	0	22.24	22.12	22.38	22.0±1.0
		3	2	22.26	22.29	22.42	
		3	3	22.11	22.18	22.41	
		6	0	22.03	22.07	22.21	21.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20415/825.5	20525/836.5	20635/847.5	
3MHz	QPSK	1	0	24.34	24.07	24.18	24.0±1.0
		1	7	24.21	24.19	24.13	
		1	14	24.21	24.08	24.09	
		8	0	23.18	23.09	22.99	22.5±1.0
		8	4	23.15	23.11	23.02	
		8	7	23.20	23.06	23.00	
		15	0	23.13	23.08	22.87	22.5±1.0
	16QAM	1	0	23.14	23.14	23.02	23.0±1.0
		1	7	23.14	23.28	22.94	
		1	14	23.15	23.21	23.05	
		8	0	22.13	22.20	21.94	21.5±1.0
		8	4	22.15	22.18	21.94	
		8	7	22.17	22.18	22.03	
		15	0	22.15	22.13	21.85	21.5±1.0

LTE FDD Band 5 ANT 3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20425/826.5	20525/836.5	20625/846.5	
5MHz	QPSK	1	0	24.04	24.00	24.15	23.5±1.0
		1	13	24.04	24.12	24.08	
		1	24	24.12	24.08	24.19	
		12	0	23.12	23.09	23.21	22.5±1.0
		12	6	23.15	23.14	23.25	
		12	13	23.12	23.14	23.20	
		25	0	23.08	23.09	23.13	22.5±1.0
	16QAM	1	0	23.03	22.88	22.97	22.5±1.0
		1	13	22.94	23.03	22.95	
		1	24	23.04	22.95	23.07	
		12	0	22.18	22.19	22.17	21.5±1.0
		12	6	22.14	22.14	22.13	
		12	13	22.10	22.14	22.10	
		25	0	22.11	22.16	22.07	21.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				20450/829	20525/836.5	20600/844	
10MHz	QPSK	1	0	24.32	24.29	24.41	24.0±1.0
		1	25	24.18	24.21	24.24	
		1	49	24.02	24.07	24.19	
		25	0	23.16	23.22	23.23	23.0±1.0
		25	13	23.19	23.08	23.26	
		25	25	23.18	23.17	23.32	
		50	0	23.22	23.13	23.26	23.0±1.0
	16QAM	1	0	23.31	23.13	23.32	23.0±1.0
		1	25	23.17	23.28	23.26	
		1	49	23.22	23.34	23.09	
		25	0	22.12	22.24	22.33	22.0±1.0
		25	13	22.34	22.33	22.33	
		25	25	22.22	22.31	22.42	
		50	0	22.22	22.12	22.28	22.0±1.0

4. LTE Band 12 Conducted Power Test Verdict:

LTE FDD Band 12 ANT 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23017/699.7	23095/707.5	23173/715.3	
1.4MHz	QPSK	1	0	23.43	23.54	23.44	23.0±1.0
		1	3	23.47	23.50	23.49	
		1	5	23.53	23.47	23.47	
		3	0	22.56	22.63	22.59	22.0±1.0
		3	2	22.49	22.58	22.51	
		3	3	22.61	22.65	22.46	
		6	0	22.57	22.43	22.49	22.0±1.0
	16QAM	1	0	22.61	22.60	22.53	22.0±1.0
		1	3	22.58	22.64	22.57	
		1	5	22.61	22.60	22.59	
		3	0	21.70	21.55	21.62	21.0±1.0
		3	2	21.63	21.59	21.49	
		3	3	21.58	21.60	21.51	
		6	0	21.61	21.46	21.57	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23025/700.5	23095/707.5	23165/714.5	
3MHz	QPSK	1	0	23.36	23.58	23.33	23.0±1.0
		1	7	23.49	23.53	23.44	
		1	14	23.48	23.49	23.38	
		8	0	22.52	22.60	22.38	22.0±1.0
		8	4	22.51	22.63	22.47	
		8	7	22.59	22.57	22.44	
		15	0	22.46	22.46	22.36	22.0±1.0
	16QAM	1	0	22.63	22.67	22.62	22.0±1.0
		1	7	22.58	22.53	22.51	
		1	14	22.65	22.71	22.45	
		8	0	21.46	21.57	21.47	21.0±1.0
		8	4	21.50	21.59	21.41	
		8	7	21.58	21.68	21.52	
		15	0	21.49	21.51	21.45	21.0±1.0

LTE FDD Band 12 ANT 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23035/701.5	23095/707.5	23155/713.5	
5MHz	QPSK	1	0	23.39	23.47	23.57	23.0±1.0
		1	13	23.59	23.42	23.65	
		1	24	23.50	23.41	23.64	
		12	0	22.61	22.54	22.61	22.0±1.0
		12	6	22.59	22.58	22.59	
		12	13	22.56	22.48	22.47	
		25	0	22.47	22.43	22.42	22.0±1.0
	16QAM	1	0	22.39	22.43	22.44	22.0±1.0
		1	13	22.51	22.37	22.52	
		1	24	22.58	22.41	22.69	
		12	0	21.66	21.55	21.69	21.0±1.0
		12	6	21.55	21.57	21.70	
		12	13	21.62	21.48	21.69	
		25	0	21.60	21.57	21.75	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23060/704	23095/707.5	23130/711	
10MHz	QPSK	1	0	23.51	23.54	23.47	23.0±1.0
		1	25	23.65	23.61	23.66	
		1	49	23.46	23.42	23.58	
		25	0	22.73	22.58	22.59	22.0±1.0
		25	13	22.73	22.57	22.61	
		25	25	22.63	22.61	22.58	
		50	0	22.62	22.55	22.75	22.0±1.0
	16QAM	1	0	22.88	22.84	22.78	22.0±1.0
		1	25	22.73	22.92	22.91	
		1	49	22.76	22.77	22.84	
		25	0	21.68	21.80	21.90	21.5±1.0
		25	13	21.74	21.82	21.83	
		25	25	21.72	21.82	21.86	
		50	0	21.64	21.75	21.80	21.5±1.0

LTE FDD Band 12 ANT 3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23017/699.7	23095/707.5	23173/715.3	
1.4MHz	QPSK	1	0	23.37	23.44	23.43	23.0±1.0
		1	3	23.44	23.50	23.43	
		1	5	23.43	23.46	23.41	
		3	0	22.46	22.44	22.58	22.0±1.0
		3	2	22.46	22.46	22.62	
		3	3	22.43	22.45	22.53	
		6	0	22.44	22.40	22.45	22.0±1.0
	16QAM	1	0	22.47	22.53	22.51	22.0±1.0
		1	3	22.50	22.57	22.54	
		1	5	22.58	22.53	22.53	
		3	0	21.39	21.45	21.57	21.0±1.0
		3	2	21.50	21.44	21.63	
		3	3	21.45	21.52	21.41	
		6	0	21.49	21.46	21.49	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23025/700.5	23095/707.5	23165/714.5	
3MHz	QPSK	1	0	23.28	23.35	23.32	23.0±1.0
		1	7	23.39	23.43	23.15	
		1	14	23.42	23.38	23.40	
		8	0	22.36	22.50	22.56	22.0±1.0
		8	4	22.35	22.53	22.55	
		8	7	22.25	22.47	22.35	
		15	0	22.26	22.44	22.46	22.0±1.0
	16QAM	1	0	22.59	22.65	22.69	22.0±1.0
		1	7	22.70	22.73	22.60	
		1	14	22.64	22.70	22.67	
		8	0	21.53	21.66	21.73	21.0±1.0
		8	4	21.52	21.56	21.52	
		8	7	21.40	21.63	21.40	
		15	0	21.37	21.57	21.52	21.0±1.0

LTE FDD Band 12 ANT 3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23035/701.5	23095/707.5	23155/713.5	
5MHz	QPSK	1	0	23.40	23.44	23.49	23.0±1.0
		1	13	23.52	23.41	23.55	
		1	24	23.48	23.45	23.58	
		12	0	22.53	22.53	22.58	22.0±1.0
		12	6	22.46	22.54	22.59	
		12	13	22.56	22.45	22.61	
		25	0	22.40	22.47	22.46	22.0±1.0
	16QAM	1	0	22.31	22.35	22.40	22.0±1.0
		1	13	22.44	22.28	22.50	
		1	24	22.38	22.34	22.58	
		12	0	21.56	21.54	21.60	21.0±1.0
		12	6	21.56	21.45	21.61	
		12	13	21.54	21.46	21.64	
		25	0	21.50	21.44	21.57	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				23060/704	23095/707.5	23130/711	
10MHz	QPSK	1	0	23.57	23.51	23.40	23.0±1.0
		1	25	23.63	23.56	23.60	
		1	49	23.45	23.34	23.49	
		25	0	22.62	22.51	22.51	22.0±1.0
		25	13	22.63	22.49	22.47	
		25	25	22.55	22.61	22.42	
		50	0	22.53	22.55	22.61	22.0±1.0
	16QAM	1	0	22.72	22.65	22.53	22.5±1.0
		1	25	22.88	22.81	22.72	
		1	49	22.65	22.69	22.60	
		25	0	21.64	21.59	21.60	21.0±1.0
		25	13	21.62	21.51	21.58	
		25	25	21.58	21.63	21.55	
		50	0	21.60	21.60	21.58	21.0±1.0

5. LTE Band 66 Conducted Power Test Verdict:

LTE FDD Band 66 ANT 2 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				131979/1710.7	132322/1745.0	132665/1779.3	
1.4MHz	QPSK	1	0	23.86	23.78	23.90	23.5±1.0
		1	3	23.92	23.90	23.91	
		1	5	23.76	23.81	23.84	
		3	0	22.85	22.79	22.72	22.5±1.0
		3	2	22.71	22.68	22.83	
		3	3	22.79	22.75	22.80	
		6	0	22.70	22.79	22.70	22.5±1.0
	16QAM	1	0	22.71	22.73	22.78	22.5±1.0
		1	3	22.84	22.90	22.87	
		1	5	22.62	22.66	22.80	
		3	0	21.61	21.71	21.79	21.5±1.0
		3	2	21.64	21.66	21.77	
		3	3	21.70	21.73	21.86	
		6	0	21.57	21.70	21.75	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				131987/1711.5	12322/1745.0	132657/1778.5	
3MHz	QPSK	1	0	23.92	23.87	23.85	23.5±1.0
		1	7	24.04	23.94	23.91	
		1	14	24.11	24.02	24.10	
		8	0	23.14	23.16	23.08	23.0±1.0
		8	4	23.09	23.18	23.27	
		8	7	23.11	23.03	23.14	
		15	0	23.05	23.15	23.20	22.5±1.0
	16QAM	1	0	23.07	22.94	23.12	22.5±1.0
		1	7	22.85	23.04	22.99	
		1	14	23.02	22.81	23.01	
		8	0	21.95	21.96	22.04	21.5±1.0
		8	4	21.86	21.97	21.93	
		8	7	22.01	22.04	22.12	
		15	0	21.84	21.79	21.86	21.5±1.0

LTE FDD Band 66 ANT 2 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				131997/1712.5	132322/1745.0	132647/1777.5	
5MHz	QPSK	1	0	23.98	23.99	24.06	23.5±1.0
		1	13	24.00	24.06	24.16	
		1	24	23.98	24.06	24.15	
		12	0	23.11	23.12	23.25	23.0±1.0
		12	6	23.12	23.15	23.28	
		12	13	23.03	23.04	23.22	
		25	0	23.14	23.18	23.18	22.5±1.0
	16QAM	1	0	22.93	22.88	22.97	22.5±1.0
		1	13	22.95	23.04	22.93	
		1	24	23.04	23.09	22.90	
		12	0	21.85	22.04	22.11	21.5±1.0
		12	6	22.01	22.02	22.14	
		12	13	21.93	21.92	22.07	
		25	0	21.90	22.00	21.97	21.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				132022/1715	132322/1745.0	132622/1775	
10MHz	QPSK	1	0	23.91	24.04	23.92	23.5±1.0
		1	25	23.85	23.96	23.78	
		1	49	23.79	24.11	24.00	
		25	0	23.12	23.04	23.09	22.5±1.0
		25	13	22.96	23.03	23.10	
		25	25	23.17	23.14	23.23	
		50	0	23.07	23.10	23.02	22.5±1.0
	16QAM	1	0	23.07	22.95	23.03	22.5±1.0
		1	25	22.89	22.79	23.00	
		1	49	22.95	23.08	22.94	
		25	0	22.12	22.08	22.13	21.5±1.0
		25	13	22.13	22.09	22.06	
		25	25	22.25	22.11	22.22	
		50	0	22.07	22.01	22.14	21.5±1.0

LTE FDD Band 66 ANT 2 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				132047/1717.5	132322/1745.0	132597/1772.5	
15MHz	QPSK	1	0	23.89	23.86	23.72	23.5±1.0
		1	38	23.88	23.95	23.94	
		1	74	23.82	23.69	23.82	
		36	0	22.67	22.68	22.70	22.5±1.0
		36	18	22.74	22.69	22.75	
		36	39	22.84	22.78	22.39	
		75	0	22.57	22.60	22.51	22.0±1.0
	16QAM	1	0	22.45	22.51	22.45	22.0±1.0
		1	38	22.71	22.67	22.69	
		1	74	22.55	22.47	22.59	
		36	0	21.71	21.67	21.75	21.0±1.0
		36	18	21.64	21.63	21.69	
		36	39	21.38	21.37	21.40	
		75	0	21.54	21.61	21.58	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				132072/1720	132322/1745.0	132572/1770	
20MHz	QPSK	1	0	23.83	24.07	23.98	23.5±1.0
		1	50	23.65	23.74	23.84	
		1	99	24.01	23.96	23.72	
		50	0	22.82	22.84	22.90	22.5±1.0
		50	25	22.85	22.84	22.89	
		50	50	22.92	22.86	23.01	
		100	0	22.90	22.72	22.89	22.5±1.0
	16QAM	1	0	23.16	23.22	23.21	22.5±1.0
		1	50	23.02	22.71	22.85	
		1	99	23.29	23.10	23.12	
		50	0	21.85	21.82	21.89	21.5±1.0
		50	25	21.86	21.81	21.88	
		50	50	21.93	21.82	21.96	
		100	0	21.98	21.85	21.86	21.5±1.0

LTE FDD Band 66 ANT 2 DSI 3 power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				131979/1710.7	132322/1745.0	132665/1779.3	
1.4MHz	QPSK	1	0	21.20	21.29	21.24	21.0±1.0
		1	3	21.12	21.48	21.23	
		1	5	21.22	21.39	21.30	
		3	0	21.08	21.44	21.20	21.0±1.0
		3	2	21.12	21.42	21.17	
		3	3	21.12	21.24	21.26	
		6	0	21.06	20.91	21.16	20.5±1.0
	16QAM	1	0	21.04	21.05	21.14	20.5±1.0
		1	3	21.10	21.19	21.16	
		1	5	21.07	21.13	21.21	
		3	0	21.01	21.22	21.14	20.5±1.0
		3	2	21.09	21.22	21.16	
		3	3	21.03	21.08	21.14	
		6	0	20.98	21.08	21.07	20.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				131987/1711.5	12322/1745.0	132657/1778.5	
3MHz	QPSK	1	0	21.34	21.54	21.70	21.0±1.0
		1	7	21.62	21.70	21.69	
		1	14	21.72	21.73	21.72	
		8	0	21.36	21.31	21.53	21.0±1.0
		8	4	21.13	21.29	21.14	
		8	7	21.49	21.22	21.19	
		15	0	21.12	21.27	21.21	20.5±1.0
	16QAM	1	0	21.05	21.19	21.19	21.0±1.0
		1	7	21.25	21.11	20.94	
		1	14	21.23	21.15	21.29	
		8	0	21.30	21.12	20.92	21.0±1.0
		8	4	21.20	21.13	20.93	
		8	7	20.79	21.04	21.09	
		15	0	21.06	21.17	21.07	20.5±1.0

LTE FDD Band 66 ANT 2 DSI 3 power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				131997/1712.5	132322/1745.0	132647/1777.5	
5MHz	QPSK	1	0	21.28	21.25	21.26	21.0±1.0
		1	13	21.30	21.33	21.35	
		1	24	21.12	21.16	21.19	
		12	0	21.17	21.18	21.20	20.5±1.0
		12	6	21.15	21.21	21.20	
		12	13	21.08	21.09	21.22	
		25	0	21.14	21.18	21.18	20.5±1.0
	16QAM	1	0	21.27	21.22	21.27	21.0±1.0
		1	13	21.23	21.20	21.31	
		1	24	21.11	21.07	21.23	
		12	0	21.01	20.93	21.05	20.5±1.0
		12	6	21.09	21.08	21.13	
		12	13	21.06	21.04	21.12	
		25	0	21.10	21.06	21.10	20.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				132022/1715	132322/1745.0	132622/1775	
10MHz	QPSK	1	0	21.48	21.64	21.52	21.0±1.0
		1	25	21.44	21.40	21.51	
		1	49	21.01	21.10	21.11	
		25	0	21.08	21.09	21.13	20.5±1.0
		25	13	21.05	21.10	21.14	
		25	25	21.16	21.13	21.29	
		50	0	21.07	21.17	21.16	20.5±1.0
	16QAM	1	0	21.15	21.09	21.29	21.0±1.0
		1	25	21.04	21.03	21.09	
		1	49	21.19	21.06	21.15	
		25	0	21.13	21.09	21.21	21.0±1.0
		25	13	21.16	21.12	21.19	
		25	25	21.32	21.24	21.35	
		50	0	21.08	21.19	21.19	20.5±1.0

LTE FDD Band 66 ANT 2 DSI 3 power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				132047/1717.5	132322/1745.0	132597/1772.5	
15MHz	QPSK	1	0	21.67	21.49	21.58	21.0±1.0
		1	38	21.70	21.73	21.67	
		1	74	21.63	21.54	21.66	
		36	0	21.19	21.17	21.18	20.5±1.0
		36	18	21.15	21.12	21.19	
		36	39	21.05	21.07	21.06	
		75	0	21.01	20.91	21.07	20.5±1.0
	16QAM	1	0	21.09	20.95	21.04	20.5±1.0
		1	38	21.24	21.16	21.19	
		1	74	21.01	20.93	21.07	
		36	0	21.16	21.05	21.22	20.5±1.0
		36	18	21.16	21.17	21.19	
		36	39	21.07	21.08	21.05	
		75	0	20.98	20.88	20.99	20.5±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				132072/1720	132322/1745.0	132572/1770	
20MHz	QPSK	1	0	21.49	21.44	21.44	21.0±1.0
		1	50	21.33	21.27	21.38	
		1	99	21.42	21.30	21.28	
		50	0	20.92	20.83	20.91	20.5±1.0
		50	25	20.90	20.86	20.90	
		50	50	20.98	20.85	20.99	
		100	0	21.04	20.89	20.91	20.5±1.0
	16QAM	1	0	21.06	21.17	21.17	20.5±1.0
		1	50	20.98	20.77	20.93	
		1	99	21.07	21.04	21.02	
		50	0	20.94	20.90	20.91	20.5±1.0
		50	25	20.92	20.90	20.92	
		50	50	20.98	20.88	21.01	
		100	0	21.04	20.84	20.89	20.5±1.0

LTE FDD Band 66 ANT 3 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				131979/1710.7	132322/1745.0	132665/1779.3	
1.4MHz	QPSK	1	0	23.27	23.26	23.38	23.0±1.0
		1	3	23.30	23.28	23.34	
		1	5	23.24	23.35	23.45	
		3	0	22.42	22.43	22.22	22.0±1.0
		3	2	22.39	22.48	22.35	
		3	3	22.35	22.55	22.37	
		6	0	22.33	22.36	22.22	22.0±1.0
	16QAM	1	0	22.23	22.12	22.23	22.0±1.0
		1	3	22.20	22.30	22.22	
		1	5	22.21	22.27	22.45	
		3	0	21.39	21.37	21.42	21.0±1.0
		3	2	21.38	21.42	21.40	
		3	3	21.49	21.19	21.24	
		6	0	21.33	21.26	21.31	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				131987/1711.5	12322/1745.0	132657/1778.5	
3MHz	QPSK	1	0	23.32	23.19	23.32	23.0±1.0
		1	7	23.25	23.29	23.25	
		1	14	23.18	23.33	23.37	
		8	0	22.25	22.28	22.23	22.0±1.0
		8	4	22.20	22.24	22.15	
		8	7	22.14	22.21	22.35	
		15	0	22.23	22.17	22.21	21.5±1.0
	16QAM	1	0	22.43	22.36	22.33	22.0±1.0
		1	7	22.50	22.45	22.42	
		1	14	22.31	22.25	22.55	
		8	0	21.57	21.49	21.52	21.0±1.0
		8	4	21.48	21.43	21.34	
		8	7	21.39	21.34	21.45	
		15	0	21.33	21.42	21.41	21.0±1.0

LTE FDD Band 66 ANT 3 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				131997/1712.5	132322/1745.0	132647/1777.5	
5MHz	QPSK	1	0	23.37	23.20	23.35	23.0±1.0
		1	13	23.22	23.25	23.37	
		1	24	23.16	23.30	23.29	
		12	0	22.41	22.34	22.35	22.0±1.0
		12	6	22.44	22.29	22.34	
		12	13	22.25	22.15	22.29	
		25	0	22.35	22.31	22.31	22.0±1.0
	16QAM	1	0	22.37	22.11	22.45	22.0±1.0
		1	13	22.21	22.33	22.37	
		1	24	22.33	22.37	22.56	
		12	0	21.43	21.37	21.34	21.0±1.0
		12	6	21.40	21.38	21.39	
		12	13	21.31	21.24	21.28	
		25	0	21.34	21.36	21.31	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				132022/1715	132322/1745.0	132622/1775	
10MHz	QPSK	1	0	23.46	23.58	23.32	23.0±1.0
		1	25	23.35	23.41	23.26	
		1	49	23.29	23.36	23.20	
		25	0	22.29	22.20	22.26	22.0±1.0
		25	13	22.30	22.21	22.17	
		25	25	22.32	22.31	22.31	
		50	0	22.27	22.23	22.24	22.0±1.0
	16QAM	1	0	22.57	22.31	22.35	22.0±1.0
		1	25	22.36	22.40	22.47	
		1	49	22.42	22.38	22.32	
		25	0	21.34	21.24	21.25	21.0±1.0
		25	13	21.39	21.45	21.35	
		25	25	21.40	21.40	21.41	
		50	0	21.23	21.34	21.26	21.0±1.0

LTE FDD Band 66 ANT 3 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				132047/1717.5	132322/1745.0	132597/1772.5	
15MHz	QPSK	1	0	23.33	23.26	23.18	23.0±1.0
		1	38	23.24	23.31	23.20	
		1	74	23.18	23.20	23.15	
		36	0	22.25	22.16	22.19	22.0±1.0
		36	18	22.19	22.27	22.28	
		36	39	22.16	22.02	22.16	
		75	0	22.14	21.99	22.08	21.5±1.0
	16QAM	1	0	22.54	22.52	22.50	22.0±1.0
		1	38	22.48	22.64	22.42	
		1	74	22.68	22.56	22.34	
		36	0	21.48	21.39	21.54	21.0±1.0
		36	18	21.47	21.45	21.55	
		36	39	21.32	21.52	21.52	
		75	0	21.36	21.47	21.46	21.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				132072/1720	132322/1745.0	132572/1770	
20MHz	QPSK	1	0	23.35	23.42	23.51	23.0±1.0
		1	50	23.26	23.19	23.24	
		1	99	23.46	23.37	23.39	
		50	0	22.44	22.28	22.32	22.0±1.0
		50	25	22.35	22.39	22.24	
		50	50	22.47	22.27	22.27	
		100	0	22.41	22.20	22.21	22.0±1.0
	16QAM	1	0	22.54	22.52	22.50	22.0±1.0
		1	50	22.48	22.64	22.42	
		1	99	22.68	22.56	22.34	
		50	0	21.48	21.49	21.54	21.0±1.0
		50	25	21.47	21.50	21.55	
		50	50	21.32	21.52	21.52	
		100	0	21.36	21.47	21.46	21.0±1.0

LTE FDD Band 66 ANT 3 DSI 3 power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				131979/1710.7	132322/1745.0	132665/1779.3	
1.4MHz	QPSK	1	0	21.13	21.01	21.11	20.5±1.0
		1	3	21.21	21.20	21.10	
		1	5	21.17	21.13	21.17	
		3	0	20.52	20.76	20.54	20.0±1.0
		3	2	20.54	20.73	20.55	
		3	3	20.54	20.61	20.56	
		6	0	20.50	20.30	20.52	20.0±1.0
	16QAM	1	0	20.46	20.45	20.47	20.0±1.0
		1	3	20.46	20.61	20.49	
		1	5	20.52	20.60	20.53	
		3	0	20.46	20.60	20.49	20.0±1.0
		3	2	20.43	20.61	20.54	
		3	3	20.46	20.44	20.48	
		6	0	20.42	20.47	20.46	20.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				131987/1711.5	12322/1745.0	132657/1778.5	
3MHz	QPSK	1	0	21.16	21.33	21.22	21.0±1.0
		1	7	21.31	21.11	21.28	
		1	14	21.23	21.13	21.18	
		8	0	20.82	20.70	20.55	20.5±1.0
		8	4	20.68	20.72	20.55	
		8	7	20.53	20.61	20.54	
		15	0	20.87	20.64	20.49	20.5±1.0
	16QAM	1	0	20.62	20.40	20.50	20.0±1.0
		1	7	20.46	20.56	20.57	
		1	14	20.41	20.57	20.58	
		8	0	20.74	20.57	20.59	20.0±1.0
		8	4	20.51	20.55	20.59	
		8	7	20.53	20.45	20.54	
		15	0	20.74	20.54	20.50	20.0±1.0

LTE FDD Band 66 ANT 3 DSI 3 power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				131997/1712.5	132322/1745.0	132647/1777.5	
5MHz	QPSK	1	0	21.40	21.56	21.41	21.0±1.0
		1	13	21.30	21.62	21.63	
		1	24	21.36	21.60	21.60	
		12	0	20.57	20.58	20.58	20.0±1.0
		12	6	20.56	20.59	20.60	
		12	13	20.47	20.46	20.56	
		25	0	20.58	20.58	20.57	20.0±1.0
	16QAM	1	0	20.44	20.37	20.45	20.0±1.0
		1	13	20.50	20.51	20.54	
		1	24	20.46	20.47	20.45	
		12	0	20.64	20.66	20.65	20.0±1.0
		12	6	20.41	20.65	20.66	
		12	13	20.53	20.50	20.55	
		25	0	20.60	20.65	20.65	20.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				132022/1715	132322/1745.0	132622/1775	
10MHz	QPSK	1	0	21.46	21.37	21.35	21.0±1.0
		1	25	21.47	21.43	21.43	
		1	49	21.29	21.30	21.28	
		25	0	20.57	20.52	20.48	20.0±1.0
		25	13	20.58	20.50	20.54	
		25	25	20.69	20.61	20.64	
		50	0	20.51	20.61	20.45	20.0±1.0
	16QAM	1	0	20.88	20.84	20.83	20.0±1.0
		1	25	19.85	19.77	19.82	
		1	49	20.46	20.51	20.44	
		25	0	20.48	20.50	20.51	20.0±1.0
		25	13	20.51	20.48	20.49	
		25	25	20.60	20.55	20.54	
		50	0	20.51	20.59	20.51	20.0±1.0

LTE FDD Band 66 ANT 3 DSI 3 power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				132047/1717.5	132322/1745.0	132597/1772.5	
15MHz	QPSK	1	0	21.49	21.37	21.26	21.0±1.0
		1	38	21.40	21.44	21.47	
		1	74	21.34	21.38	21.30	
		36	0	21.06	21.12	21.14	20.5±1.0
		36	18	21.00	21.13	21.14	
		36	39	20.84	20.84	20.88	
		75	0	20.42	20.30	20.37	20.0±1.0
	16QAM	1	0	20.47	20.29	20.38	20.0±1.0
		1	38	20.63	20.57	20.53	
		1	74	20.46	20.32	20.37	
		36	0	20.95	20.86	20.87	20.5±1.0
		36	18	20.91	20.83	20.72	
		36	39	20.86	20.89	20.91	
		75	0	20.37	20.32	20.33	20.0±1.0
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency			Tune up
				132072/1720	132322/1745.0	132572/1770	
20MHz	QPSK	1	0	21.42	21.29	21.27	21.0±1.0
		1	50	21.45	21.36	21.38	
		1	99	21.33	21.14	21.29	
		50	0	20.28	20.25	20.29	20.0±1.0
		50	25	20.32	20.24	20.31	
		50	50	20.42	20.25	20.38	
		100	0	20.41	20.28	20.29	20.0±1.0
	16QAM	1	0	20.66	20.55	20.53	20.0±1.0
		1	50	20.18	20.08	20.12	
		1	99	20.55	20.41	20.40	
		50	0	20.36	20.27	20.26	20.0±1.0
		50	25	20.36	20.25	20.28	
		50	50	20.40	20.29	20.38	
		100	0	20.41	20.31	20.24	20.0±1.0

8.3 WIFI Conducted Power

Wi-Fi 2.4G Output power ANT 1

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)		
	802.11b	802.11g	802.11n(HT20)
1/2412.0	14.04	13.31	12.68
6/2437.0	13.48	12.93	12.76
11/2462.0	14.04	13.15	12.96

2.4G WI-FI Channel/Freq.(MHz)	Output Power (dBm)
	802.11n(HT40)
3/2422.0	12.50
6/2437.0	12.80
9/2452.0	12.80

Wi-Fi U-NII-1 Output power ANT 1

Channel/Freq.(MHz)	Average Power (dBm)		
	802.11 a	802.11 n20	802.11 ac20
36/5180.0	11.49	10.26	9.64
44/5220.0	11.33	10.00	9.61
48/5240.0	11.08	9.92	9.48

Channel/Freq.(MHz)	Average Power (dBm)	
	802.11 n40	802.11 ac40
38/5190.0	11.57	10.90
46/5230.0	11.30	10.60

Channel/Freq.(MHz)	Average Power (dBm)
	802.11 ac80
42/5210.0	10.39

Wi-Fi U-NII-2A Output power ANT 1

Channel/Freq.(MHz)	Average Power (dBm)		
	802.11 a	802.11 n20	802.11 ac20
52/5260.0	10.98	10.89	9.79
60/5300.0	10.77	9.81	9.20
64/5320.0	10.64	9.48	8.93

Channel/Freq.(MHz)	Average Power (dBm)	
	802.11 n40	802.11 ac40
54/5270.0	11.13	10.36
62/5310.0	10.89	9.98

Channel/Freq.(MHz)	Average Power (dBm)
	802.11 ac80
58/5290.0	9.65

Wi-Fi U-NII-2C Output power ANT 1

Channel/Freq.(MHz)	Average Power (dBm)		
	802.11 a	802.11 n20	802.11 ac20
100/5500.0	11.92	10.92	10.35
120/5600.0	13.46	12.19	11.65
140/5700.0	14.44	13.33	12.65

Channel/Freq.(MHz)	Average Power (dBm)	
	802.11 n40	802.11 ac40
102/5510.0	11.93	11.32
118/5590.0	13.11	12.55
134/5670.0	13.92	13.51

Channel/Freq.(MHz)	Average Power (dBm)
	802.11 ac80
106/5530.0	11.27
122/5610.0	12.22

Wi-Fi U-NII-3 Output power ANT 1

Channel/Freq.(MHz)	Average Power (dBm)		
	802.11 a	802.11 n20	802.11 ac20
149/5745.0	14.32	12.84	12.44
157/5785.0	14.47	12.82	12.64
165/5825.0	14.18	12.86	12.69

Channel/Freq.(MHz)	Average Power (dBm)	
	802.11 n40	802.11 ac40
151/5755.0	14.03	13.61
159/5795.0	14.17	13.90

Channel/Freq.(MHz)	Average Power (dBm)
	802.11 ac80
155/5775.0	13.19

8.4 Bluetooth Output Power ANT 1

Channel	Frequency (MHz)	BT Output Power(dBm)		
		GFSK	π/4-DQPSK	8-DPSK
CH 0	2402	11.89	10.94	11.27
CH 39	2441	12.17	11.13	11.43
CH 78	2480	11.48	11.26	10.91

Channel	Frequency (MHz)	BLE Output Power(dBm)
		1M(GFSK)
CH 0	2402	7.63
CH 19	2440	7.76
CH 39	2480	7.14

Note:

1. Per KDB248227 D01 v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion
2. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4dB higher than those measured at lowest data rate
3. Per KDB248227 D01 v02r02, 802.11g /11n-HT20/11n-HT40 is not required. . When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤1.2W/Kg. Thus the SAR can be excluded.

9. Antenna Location:

Antenna	Test Band
ANT 1	2.4GWIFI , 5GWIFI , BT
ANT 2	WCDMA 850 / 1700 / 1900 ,LTE Band 2 / 4 / 5 / 12 / 66
ANT 3	WCDMA 850 / 1700 / 1900 ,LTE Band 2 / 4 / 5 / 12 / 66

Antenna-to-User (Edge Side) distance (mm):

Antenna	Front	Back	Left	Right	Top	Bottom
ANT 1	<25	<25	>25	<25	<25	>25
ANT 2	<25	<25	<25	>25	<25	>25
ANT 3	<25	<25	<25	<25	>25	<25

Note:
1. Overall (Length x Width x High): 170 mm x 77 mm x 10.5 mm
2. Overall Diagonal: 180 mm / Display Diagonal: 162 mm

The Body SAR measurement positions of each band are as below:

Antenna	Front	Back	Left	Right	Top	Bottom
ANT 1	Yes	Yes	No	Yes	Yes	No
ANT 2	Yes	Yes	Yes	No	Yes	No
ANT 3	Yes	Yes	Yes	Yes	No	Yes

Note:

1. According to KDB 941225 D06 v02r01, when antenna-to-edge>2.5cm, SAR is not required..
2. The other Frequencies were measured at the worst position

10. Scaling Factor calculation

Operation Mode	Channel /Frequency	Output Power(dBm)	Tune up Power in tolerance (dBm)	Max. Tune up(dBm)	Scaling Factor
WCDMA 850 ANT 2 Full power	4132/826.4	22.86	22.5 ±1.0	23.50	1.159
	4183/836.6	22.73	22.0 ±1.0	23.00	1.064
	4233/846.6	22.93	22.5 ±1.0	23.50	1.140
WCDMA 850 ANT 3 Full power	4132/826.4	22.80	22.5 ±1.0	23.50	1.175
	4183/836.6	22.72	22.0 ±1.0	23.00	1.067
	4233/846.6	22.83	22.5 ±1.0	23.50	1.167
WCDMA 1700 ANT 2 Full power	1312/1712.4	23.05	22.5 ±1.0	23.50	1.109
	1413/1732.6	23.27	23.0 ±1.0	24.00	1.183
	1513/1752.6	23.13	22.5 ±1.0	23.50	1.089
WCDMA 1700 ANT 2 DSI 3 power	1312/1712.4	20.94	20.5 ±1.0	21.50	1.138
	1413/1732.6	21.18	20.5 ±1.0	21.50	1.076
	1513/1752.6	21.13	20.5 ±1.0	21.50	1.089
WCDMA 1700 ANT 3 Full power	1312/1712.4	22.34	22.0 ±1.0	23.00	1.164
	1413/1732.6	22.71	22.0 ±1.0	23.00	1.069
	1513/1752.6	22.62	22.0 ±1.0	23.00	1.091
WCDMA 1700 ANT 3 DSI 3 power	1312/1712.4	20.09	19.5 ±1.0	20.50	1.099
	1413/1732.6	20.13	19.5 ±1.0	20.50	1.089
	1513/1752.6	20.02	19.5 ±1.0	20.50	1.117
WCDMA 1900 ANT 2 Full power	9262/1852.4	23.22	22.5 ±1.0	23.50	1.067
	9400/1880.0	23.18	22.5 ±1.0	23.50	1.076
	9538/1907.6	23.08	22.5 ±1.0	23.50	1.102
WCDMA 1900 ANT 2 DSI 3 power	9262/1852.4	20.20	19.5 ±1.0	20.50	1.072
	9400/1880.0	19.98	19.5 ±1.0	20.50	1.127
	9538/1907.6	20.01	19.5 ±1.0	20.50	1.119
WCDMA 1900 ANT 3 Full power	9262/1852.4	22.85	22.5 ±1.0	23.50	1.161
	9400/1880.0	22.35	22.0 ±1.0	23.00	1.161
	9538/1907.6	22.68	22.0 ±1.0	23.00	1.076
WCDMA 1900 ANT 3 DSI 3 power	9262/1852.4	20.25	19.5 ±1.0	20.50	1.059
	9400/1880.0	20.18	19.5 ±1.0	20.50	1.076
	9538/1907.6	20.27	20.0 ±1.0	21.00	1.183
LTE B2 20MHz 1RB#0 ANT 2 Full power	18700/1860.0	23.78	23.5 ±1.0	24.50	1.180
	18900/1880.0	23.91	23.5 ±1.0	24.50	1.146
	19100/1900.0	23.83	23.5 ±1.0	24.50	1.167

LTE B2 20MHz 50%RB#0 ANT 2 Full power	18700/1860.0	22.79	22.5 ±1.0	23.50	1.178
	18900/1880.0	22.74	22.0 ±1.0	23.00	1.062
	19100/1900.0	22.74	22.0 ±1.0	23.00	1.062
LTE B2 20MHz 100%RB#0 ANT 2 Full power	18700/1860.0	22.74	22.0 ±1.0	23.00	1.062
	18900/1880.0	22.73	22.0 ±1.0	23.00	1.064
	19100/1900.0	22.64	22.0 ±1.0	23.00	1.086
LTE B2 20MHz 1RB#0 ANT 2 DSI 3 power	18700/1860.0	20.34	20.0 ±1.0	21.00	1.164
	18900/1880.0	20.42	20.0 ±1.0	21.00	1.143
	19100/1900.0	20.49	20.0 ±1.0	21.00	1.125
LTE B2 20MHz 50%RB#0 ANT 2 DSI 3 power	18700/1860.0	20.01	19.5 ±1.0	20.50	1.119
	18900/1880.0	19.91	19.5 ±1.0	20.50	1.146
	19100/1900.0	19.85	19.5 ±1.0	20.50	1.161
LTE B2 20MHz 1RB#0 ANT 3 Full power	18700/1860.0	23.42	23.0 ±1.0	24.00	1.143
	18900/1880.0	23.30	23.0 ±1.0	24.00	1.175
	19100/1900.0	23.43	23.0 ±1.0	24.00	1.140
LTE B2 20MHz 50%RB#0 ANT 3 Full power	18700/1860.0	22.26	22.0 ±1.0	23.00	1.186
	18900/1880.0	22.25	21.5 ±1.0	22.50	1.059
	19100/1900.0	22.35	22.0 ±1.0	23.00	1.161
LTE B2 20MHz 1RB#0 ANT 3 DSI 3 power	18700/1860.0	20.28	20.0 ±1.0	21.00	1.180
	18900/1880.0	20.32	20.0 ±1.0	21.00	1.169
	19100/1900.0	20.31	20.0 ±1.0	21.00	1.172
LTE B2 20MHz 50%RB#0 ANT 3 DSI 3 power	18700/1860.0	19.61	19.0 ±1.0	20.00	1.094
	18900/1880.0	19.55	19.0 ±1.0	20.00	1.109
	19100/1900.0	19.71	19.0 ±1.0	20.00	1.069
LTE B2 20MHz 100%RB#0 ANT 3 DSI 3 power	18700/1860.0	19.51	19.0 ±1.0	20.00	1.119
	18900/1880.0	19.56	19.0 ±1.0	20.00	1.107
	19100/1900.0	19.56	19.0 ±1.0	20.00	1.107
LTE B4 20MHz 1RB#0 ANT 2 Full power	20050/1720.0	23.45	23.0 ±1.0	24.00	1.135
	20175/1732.5	23.39	23.0 ±1.0	24.00	1.151
	20300/1745.0	23.56	23.0 ±1.0	24.00	1.107
LTE B4 20MHz 50%RB#0 ANT 2 Full power	20050/1720.0	22.31	22.0 ±1.0	23.00	1.172
	20175/1732.5	22.46	22.0 ±1.0	23.00	1.132
	20300/1745.0	22.49	22.0 ±1.0	23.00	1.125
LTE B4 20MHz 1RB#0 ANT 2 DSI 3 power	20050/1720.0	20.86	20.5 ±1.0	21.50	1.159
	20175/1732.5	20.85	20.5 ±1.0	21.50	1.161
	20300/1745.0	21.06	20.5 ±1.0	21.50	1.107
LTE B4 20MHz 50%RB#0 ANT 2 DSI 3 power	20050/1720.0	20.74	20.0 ±1.0	21.00	1.062
	20175/1732.5	20.76	20.5 ±1.0	21.50	1.186
	20300/1745.0	20.69	20.0 ±1.0	21.00	1.074

LTE B4 20MHz 1RB#0 ANT 3 Full power	20050/1720.0	22.38	22.0 ± 1.0	23.00	1.153
	20175/1732.5	22.45	22.0 ± 1.0	23.00	1.135
	20300/1745.0	22.48	22.0 ± 1.0	23.00	1.127
LTE B4 20MHz 50%RB#0 ANT 3 Full power	20050/1720.0	21.36	21.0 ± 1.0	22.00	1.159
	20175/1732.5	21.53	21.0 ± 1.0	22.00	1.114
	20300/1745.0	21.58	21.0 ± 1.0	22.00	1.102
LTE B4 20MHz 1RB#0 ANT 3 DSI 3 power	20050/1720.0	20.06	19.5 ± 1.0	20.50	1.107
	20175/1732.5	20.27	20.0 ± 1.0	21.00	1.183
	20300/1745.0	20.02	19.5 ± 1.0	20.50	1.117
LTE B4 20MHz 50%RB#0 ANT 3 DSI 3 power	20050/1720.0	19.71	19.0 ± 1.0	20.00	1.069
	20175/1732.5	19.86	19.5 ± 1.0	20.50	1.159
	20300/1745.0	19.87	19.5 ± 1.0	20.50	1.156
LTE B5 10MHz 1RB#0 ANT 2 Full power	20450/829.0	24.55	24.0 ± 1.0	25.00	1.109
	20525/836.5	24.38	24.0 ± 1.0	25.00	1.153
	20600/844.0	24.47	24.0 ± 1.0	25.00	1.130
LTE B5 10MHz 50%RB#0 ANT 2 Full power	20450/829.0	23.27	23.0 ± 1.0	24.00	1.183
	20525/836.5	23.28	23.0 ± 1.0	24.00	1.180
	20600/844.0	23.26	23.0 ± 1.0	24.00	1.186
LTE B5 10MHz 1RB#0 ANT 3 Full power	20450/829.0	24.32	24.0 ± 1.0	25.00	1.169
	20525/836.5	24.29	24.0 ± 1.0	25.00	1.178
	20600/844.0	24.41	24.0 ± 1.0	25.00	1.146
LTE B5 10MHz 50%RB#0 ANT 3 Full power	20450/829.0	23.16	22.5 ± 1.0	23.50	1.081
	20525/836.5	23.22	22.5 ± 1.0	23.50	1.067
	20600/844.0	23.23	22.5 ± 1.0	23.50	1.064
LTE B12 10MHz 1RB#0 ANT 2 Full power	23060/704.0	23.51	23.0 ± 1.0	24.00	1.119
	23095/707.5	23.54	23.0 ± 1.0	24.00	1.112
	23130/711.0	23.47	23.0 ± 1.0	24.00	1.130
LTE B12 10MHz 50%RB#0 ANT 2 Full power	23060/704.0	22.73	22.0 ± 1.0	23.00	1.064
	23095/707.5	22.58	22.0 ± 1.0	23.00	1.102
	23130/711.0	22.59	22.0 ± 1.0	23.00	1.099
LTE B12 10MHz 1RB#0 ANT 3 Full power	23060/704.0	23.57	23.0 ± 1.0	24.00	1.104
	23095/707.5	23.51	23.0 ± 1.0	24.00	1.119
	23130/711.0	23.40	23.0 ± 1.0	24.00	1.148
LTE B12 10MHz 50%RB#0 ANT 3 Full power	23060/704.0	22.62	22.0 ± 1.0	23.00	1.091
	23095/707.5	22.51	22.0 ± 1.0	23.00	1.119
	23130/711.0	22.51	22.0 ± 1.0	23.00	1.119
LTE B66 20MHz 1RB#0 ANT 2 Full power	132072/1720.0	23.83	23.5 ± 1.0	24.50	1.167
	132322/1745.0	24.07	23.5 ± 1.0	24.50	1.104
	132572/1770.0	23.98	23.5 ± 1.0	24.50	1.127

LTE B66 20MHz 50%RB#0 ANT 2 Full power	132072/1720.0	22.82	22.5 ±1.0	23.50	1.169
	132322/1745.0	22.84	22.5 ±1.0	23.50	1.164
	132572/1770.0	22.90	22.5 ±1.0	23.50	1.148
LTE B66 20MHz 100%RB#0 ANT 2 Full power	132072/1720.0	22.90	22.5 ±1.0	23.50	1.148
	132322/1745.0	22.72	21.0 ±1.0	22.00	0.847
	132572/1770.0	22.89	22.5 ±1.0	23.50	1.151
LTE B66 20MHz 1RB#0 ANT 2 DSI 3 power	132072/1720.0	21.49	21.0 ±1.0	22.00	1.125
	132322/1745.0	21.44	21.0 ±1.0	22.00	1.138
	132572/1770.0	21.44	21.0 ±1.0	22.00	1.138
LTE B66 20MHz 50%RB#0 ANT 2 DSI 3 power	132072/1720.0	20.92	20.5 ±1.0	21.50	1.143
	132322/1745.0	20.83	20.5 ±1.0	21.50	1.167
	132572/1770.0	20.91	20.5 ±1.0	21.50	1.146
LTE B66 20MHz 1RB#0 ANT 3 Full power	132072/1720.0	23.35	23.0 ±1.0	24.00	1.161
	132322/1745.0	23.42	23.0 ±1.0	24.00	1.143
	132572/1770.0	23.51	23.0 ±1.0	24.00	1.119
LTE B66 20MHz 50%RB#0 ANT 3 Full power	132072/1720.0	22.44	22.0 ±1.0	23.00	1.138
	132322/1745.0	22.28	22.0 ±1.0	23.00	1.180
	132572/1770.0	22.32	22.0 ±1.0	23.00	1.169
LTE B66 20MHz 1RB#0 ANT 3 DSI 3 power	132072/1720.0	21.42	21.0 ±1.0	22.00	1.143
	132322/1745.0	21.29	21.0 ±1.0	22.00	1.178
	132572/1770.0	21.27	21.0 ±1.0	22.00	1.183
LTE B66 20MHz 50%RB#0 ANT 3 DSI 3 power	132072/1720.0	20.28	20.0 ±1.0	21.00	1.180
	132322/1745.0	20.25	19.5 ±1.0	20.50	1.059
	132572/1770.0	20.29	20.0 ±1.0	21.00	1.178

WIFI 2.4G 802.11b ANT 1 Full power	1/2412.0	14.04	13.5 ±1.0	14.50	1.112
	6/2437.0	13.48	13.5 ±1.0	14.50	1.265
	11/2462.0	14.04	13.5 ±1.0	14.50	1.112
Wi-Fi U-NII-1 802.11a ANT 1 Full power	36/5180.0	11.49	11.0 ±1.0	12.00	1.125
	44/5220.0	11.33	11.0 ±1.0	12.00	1.167
	48/5240.0	11.08	11.0 ±1.0	12.00	1.236
Wi-Fi U-NII-2a 802.11a ANT 1 Full power	52/5260.0	10.98	10.5 ±1.0	11.50	1.127
	60/5300.0	10.77	10.5 ±1.0	11.50	1.183
	64/5320.0	10.64	10.5 ±1.0	11.50	1.219
Wi-Fi U-NII-2c 802.11a ANT 1 Full power	100/5500.0	11.92	11.5 ±1.0	12.50	1.143
	120/5600.0	13.46	13.0 ±1.0	14.00	1.132
	140/5700.0	14.44	14.0 ±1.0	15.00	1.138
Wi-Fi U-NII-3 802.11a ANT 1 Full power	149/5745.0	14.32	14.0 ±1.0	15.00	1.169
	157/5785.0	14.47	14.0 ±1.0	15.00	1.130
	165/5825.0	14.18	14.0 ±1.0	15.00	1.208
BT ANT 1 Full power	0/2402.0	11.89	11.5 ±1.0	12.50	1.151
	39/2441.0	12.17	11.5 ±1.0	12.50	1.079
	78/2480.0	11.48	11.5 ±1.0	12.50	1.265

Note

1. For LTE power tolerance, only QPSK modulation mode was provide here.

11. Test Results

Results overview of WCDMA850

ANT 2

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Right Cheek Full power	4183/836.6	RMC	0.024	-0.65	1.064	0.026	1.6	/
Right Tilted Full power	4183/836.6	RMC	0.012	-2.22	1.064	0.013	1.6	/
Left Cheek Full power	4183/836.6	RMC	**0.031**	0.24	1.064	**0.033**	1.6	1
Left Tilted Full power	4183/836.6	RMC	0.016	-0.96	1.064	0.017	1.6	/
Difference test of Left Cheek Full power	4183/836.6	RMC	**0.043**	-1.62	1.064	**0.046**	1.6	26
Body-worn(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power	4183/836.6	RMC	0.016	1.23	1.064	0.017	1.6	/
Back Upward Full power	4183/836.6	RMC	**0.045**	-2.12	1.064	**0.048**	1.6	2
Difference test of Back Upward Full power	4183/836.6	RMC	0.040	-0.30	1.064	0.043	1.6	/
Hotspot(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power	4183/836.6	RMC	0.016	1.23	1.064	0.017	1.6	/
Back Upward Full power	4183/836.6	RMC	**0.045**	-2.12	1.064	**0.048**	1.6	2
Left Full power	4183/836.6	RMC	0.022	3.06	1.064	0.023	1.6	/
Top Full power	4183/836.6	RMC	0.024	-0.26	1.064	0.026	1.6	/
Difference test of Back Upward Full power	4183/836.6	RMC	0.040	-0.30	1.064	0.043	1.6	/

Results overview of WCDMA850

ANT 3

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Right Cheek Full power	4183/836.6	RMC	0.210	-2.44	1.067	0.224	1.6	/
Right Tilted Full power	4183/836.6	RMC	0.132	-0.39	1.067	0.141	1.6	/
Left Cheek Full power	4183/836.6	RMC	**0.293**	-1.65	1.067	**0.313**	1.6	3
Left Tilted Full power	4183/836.6	RMC	0.160	0.34	1.067	0.171	1.6	/
Difference test of Left Cheek Full power	4183/836.6	RMC	0.279	-0.83	1.067	0.298	1.6	/
Body-worn(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power	4183/836.6	RMC	0.320	-2.37	1.067	0.341	1.6	/
Back Upward Full power	4183/836.6	RMC	**0.389**	0.63	1.067	**0.415**	1.6	4
Difference test of Back Upward Full power	4183/836.6	RMC	0.362	0.96	1.067	0.386	1.6	/
Hotspot(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power	4183/836.6	RMC	0.320	-2.37	1.067	0.341	1.6	/
Back Upward Full power	4183/836.6	RMC	**0.389**	0.63	1.067	**0.415**	1.6	4
Left Full power	4183/836.6	RMC	0.200	-1.51	1.067	0.213	1.6	/
Right Full power	4183/836.6	RMC	0.320	-3.45	1.067	0.341	1.6	/
Bottom Full power	4183/836.6	RMC	0.189	-0.65	1.067	0.202	1.6	/
Difference test of Back Upward Full power	4183/836.6	RMC	0.362	0.96	1.067	0.386	1.6	/

Results overview of WCDMA1700

ANT 2

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Right Cheek Full power	1413/1732.6	RMC	0.178	-0.52	1.183	0.211	1.6	/
Right Tilted Full power	1413/1732.6	RMC	0.084	-0.94	1.183	0.099	1.6	/
Left Cheek Full power	1413/1732.6	RMC	**0.219**	1.68	1.183	**0.259**	1.6	27
Left Tilted Full power	1413/1732.6	RMC	0.096	-0.31	1.183	0.114	1.6	/
Body-worn	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power (10mm)	1413/1732.6	RMC	0.032	-1.58	1.183	0.038	1.6	/
Back Upward DSI 3 Power (10mm)	1413/1732.6	RMC	**0.070**	-0.70	1.076	**0.075**	1.6	28
Back Upward Full power (17mm)	1413/1732.6	RMC	0.051	-3.53	1.183	0.060	1.6	/
Hotspot	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power (10mm)	1413/1732.6	RMC	0.032	-1.58	1.183	0.038	1.6	/
Back Upward DSI 3 Power (10mm)	1413/1732.6	RMC	0.070	-0.70	1.076	0.075	1.6	/
Back Upward Full power (17mm)	1413/1732.6	RMC	0.051	-3.53	1.183	0.060	1.6	/
Left Full power (10mm)	1413/1732.6	RMC	**0.076**	0.65	1.183	**0.090**	1.6	29
Top Full power (10mm)	1413/1732.6	RMC	0.034	-1.40	1.183	0.040	1.6	/

Results overview of WCDMA1700

ANT 3

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Right Cheek Full power	1413/1732.6	RMC	0.151	-0.19	1.069	0.161	1.6	/
Right Tilted Full power	1413/1732.6	RMC	0.085	-2.80	1.069	0.091	1.6	/
Left Cheek Full power	1413/1732.6	RMC	**0.192**	0.75	1.069	**0.205**	1.6	30
Left Tilted Full power	1413/1732.6	RMC	0.106	-0.26	1.069	0.113	1.6	/
Body-worn	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power (10mm)	1413/1732.6	RMC	**0.391**	1.47	1.069	**0.418**	1.6	31
Back Upward DSI 3 Power (10mm)	1413/1732.6	RMC	0.225	-0.11	1.089	0.245	1.6	/
Back Upward Full power (17mm)	1413/1732.6	RMC	0.202	-0.33	1.069	0.216	1.6	/
Hotspot	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power (10mm)	1413/1732.6	RMC	**0.391**	1.47	1.069	**0.418**	1.6	31
Back Upward DSI 3 Power (10mm)	1413/1732.6	RMC	0.225	-0.11	1.089	0.245	1.6	/
Back Upward Full power (17mm)	1413/1732.6	RMC	0.202	-0.33	1.069	0.216	1.6	/
Left Full power (10mm)	1413/1732.6	RMC	0.175	-0.94	1.069	0.187	1.6	/
Right Full power (10mm)	1413/1732.6	RMC	0.076	0.05	1.069	0.081	1.6	/
Bottom DSI 3 Power(10mm)	1413/1732.6	RMC	0.295	-1.32	1.089	0.321	1.6	/
Bottom Full power (13mm)	1413/1732.6	RMC	0.245	-2.24	1.069	0.262	1.6	/

Results overview of WCDMA1900

ANT 2

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Right Cheek Full power	9400/1880.0	RMC	0.589	0.43	1.076	0.634	1.6	/
Right Tilted Full power	9400/1880.0	RMC	0.276	-0.16	1.076	0.297	1.6	/
Left Cheek Full power	9400/1880.0	RMC	**0.705**	-2.39	1.076	**0.759**	1.6	32
Left Tilted Full power	9400/1880.0	RMC	0.321	-1.18	1.076	0.345	1.6	/
Body-worn	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power (10mm)	9400/1880.0	RMC	0.122	-0.47	1.076	0.131	1.6	/
Back Upward DSI 3 power (10mm)	9400/1880.0	RMC	**0.223**	0.21	1.127	**0.251**	1.6	33
Back Upward Full power (17mm)	9400/1880.0	RMC	0.179	-2.22	1.076	0.193	1.6	/
Hotspot	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power (10mm)	9400/1880.0	RMC	0.122	-0.47	1.076	0.131	1.6	/
Back Upward DSI 3 power (10mm)	9400/1880.0	RMC	0.223	0.21	1.127	0.251	1.6	/
Back Upward Full power (17mm)	9400/1880.0	RMC	0.179	-2.22	1.076	0.193	1.6	/
Left Full power (10mm)	9400/1880.0	RMC	**0.325**	-3.16	1.076	**0.350**	1.6	34
Top Full power (10mm)	9400/1880.0	RMC	0.081	-0.91	1.076	0.087	1.6	/

Results overview of WCDMA1900

ANT 3

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Right Cheek Full power	9400/1880.0	RMC	0.234	-0.74	1.161	0.272	1.6	/
Right Tilted Full power	9400/1880.0	RMC	0.109	0.51	1.161	0.127	1.6	/
Left Cheek Full power	9400/1880.0	RMC	**0.279**	-1.66	1.161	**0.324**	1.6	35
Left Tilted Full power	9400/1880.0	RMC	0.128	-2.97	1.161	0.149	1.6	/
Body-worn	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power (10mm)	9400/1880.0	RMC	0.359	0.13	1.161	0.417	1.6	/
Back Upward DSI 3 power (10mm)	9400/1880.0	RMC	0.991	0.40	1.076	1.066	1.6	/
Back Upward DSI 3 power (10mm)	9262/1852.4	RMC	**1.078**	-2.19	1.059	**1.142**	1.6	36
Back Upward DSI 3 power Repeat(10mm)	**9262/1852.4**	**RMC**	**1.046**	**-1.52**	**1.059**	**1.108**	**1.6**	**/**
Back Upward DSI 3 power (10mm)	9538/1907.6	RMC	0.906	0.49	1.183	1.072	1.6	/
Back Upward Full power (17mm)	9400/1880.0	RMC	0.606	-0.22	1.161	0.704	1.6	/
Hotspot	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power (10mm)	9400/1880.0	RMC	0.359	0.13	1.161	0.417	1.6	/
Back Upward DSI 3 power (10mm)	9400/1880.0	RMC	0.991	0.40	1.076	1.066	1.6	/
Back Upward DSI 3 power (10mm)	9262/1852.4	RMC	**1.078**	-2.19	1.059	**1.142**	1.6	36

Back Upward DSI 3 power Repeat(10mm)	**9262/1852.4**	**RMC**	**1.046**	**-1.52**	**1.059**	**1.108**	**1.6**	**/**
Back Upward DSI 3 power (10mm)	9538/1907.6	RMC	0.906	0.49	1.183	1.072	1.6	/
Back Upward Full power (17mm)	9400/1880.0	RMC	0.606	-0.22	1.161	0.704	1.6	/
Left Full power (10mm)	9400/1880.0	RMC	0.278	-1.33	1.161	0.323	1.6	/
Right Full power (10mm)	9400/1880.0	RMC	0.091	-0.39	1.161	0.106	1.6	/
Bottom DSI 3 Power(10mm)	9400/1880.0	RMC	0.667	2.31	1.161	0.774	1.6	/
Bottom Full power (13mm)	9400/1880.0	RMC	0.933	0.91	1.076	1.004	1.6	/
Bottom Full power (13mm)	9400/1880.0	RMC	1.020	-0.46	1.076	1.098	1.6	/
Bottom Full power Repeat (13mm)	**9262/1852.4**	**RMC**	**1.025**	**-2.62**	**1.059**	**1.085**	**1.6**	**/**
Bottom Full power (13mm)	9538/1907.6	RMC	0.882	-3.00	1.183	1.043	1.6	/

Results overview of FDD LTE Band 2, QPSK, 20MHz Bandwidth

ANT 2

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Right Cheek Full power	18900/1880.0	QPSK	0.752	-1.95	1.146	0.862	1.6	/
Right Cheek Full power	18700/1860.0	QPSK	0.734	2.60	1.180	0.866	1.6	/
Right Cheek Full power	19100/1900.0	QPSK	0.791	0.11	1.167	0.923	1.6	/
Right Tilted Full power	18900/1880.0	QPSK	0.445	-2.24	1.146	0.510	1.6	/
Left Cheek Full power	18900/1880.0	QPSK	0.971	-1.30	1.146	1.113	1.6	/
Left Cheek Full power	18700/1860.0	QPSK	0.967	0.61	1.180	1.141	1.6	/
Left Cheek Full power	19100/1900.0	QPSK	**0.998**	-0.26	1.167	**1.165**	1.6	37
Left Cheek Full power Repeat	**19100/1900.0**	**QPSK**	**0.991**	**-0.58**	**1.167**	**1.156**	**1.6**	**/**
Left Tilted Full power	18900/1880.0	QPSK	0.578	-2.10	1.146	0.662	1.6	/
50%RB#0								
Right Cheek Full power	18900/1880.0	QPSK	0.662	-1.20	1.062	0.703	1.6	/
Right Tilted Full power	18900/1880.0	QPSK	0.367	-0.94	1.062	0.390	1.6	/
Left Cheek Full power	18900/1880.0	QPSK	0.792	0.82	1.062	0.841	1.6	/
Left Tilted Full power	18900/1880.0	QPSK	0.495	-2.10	1.062	0.526	1.6	/
Left Cheek Full power	18700/1860.0	QPSK	0.711	-3.24	1.178	0.838	1.6	/
Left Cheek Full power	19100/1900.0	QPSK	0.769	0.56	1.062	0.817	1.6	/
100%RB#0								
Left Cheek Full power	18900/1880.0	QPSK	0.746	-2.92	1.064	0.794	1.6	/
Body-worn	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward	18900/1880.0	QPSK	0.376	-0.31	1.146	0.431	1.6	/

Full power (10mm)								
Back Upward DSI 3 power (10mm)	18900/1880.0	QPSK	**0.439**	-2.53	1.143	**0.502**	1.6	38
Back Upward Full power (17mm)	18900/1880.0	QPSK	0.406	-0.90	1.146	0.465	1.6	/
50%RB#0								
Front Upward Full power (10mm)	18900/1880.0	QPSK	0.332	-3.72	1.062	0.353	1.6	/
Back Upward DSI 3 power (10mm)	18900/1880.0	QPSK	0.384	-0.99	1.146	0.440	1.6	/
Back Upward Full power (17mm)	18900/1880.0	QPSK	0.339	0.80	1.062	0.360	1.6	/
Hotspot	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power (10mm)	18900/1880.0	QPSK	0.376	-0.31	1.146	0.431	1.6	/
Back Upward DSI 3 power (10mm)	18900/1880.0	QPSK	**0.439**	-2.53	1.143	**0.502**	1.6	38
Back Upward Full power (17mm)	18900/1880.0	QPSK	0.406	-0.90	1.146	0.465	1.6	/
Left Full power (10mm)	18900/1880.0	QPSK	0.342	-1.94	1.146	0.392	1.6	/
Top Full power (10mm)	18900/1880.0	QPSK	0.327	0.28	1.146	0.375	1.6	/
50%RB#0								
Front Upward Full power (10mm)	18900/1880.0	QPSK	0.332	-3.72	1.062	0.353	1.6	/
Back Upward DSI 3 power (10mm)	18900/1880.0	QPSK	0.384	-0.99	1.146	0.440	1.6	/
Back Upward Full power (17mm)	18900/1880.0	QPSK	0.339	0.80	1.062	0.360	1.6	/

Left Full power (10mm)	18900/1880.0	QPSK	0.297	-0.70	1.062	0.315	1.6	/
Top Full power (10mm)	18900/1880.0	QPSK	0.270	-1.38	1.062	0.287	1.6	/

Results overview of FDD LTE Band 2, QPSK, 20MHz Bandwidth

ANT 3

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Right Cheek Full power	18900/1880.0	QPSK	0.389	-0.28	1.175	0.457	1.6	/
Right Tilted Full power	18900/1880.0	QPSK	0.136	-2.89	1.175	0.160	1.6	/
Left Cheek Full power	18900/1880.0	QPSK	**0.472**	-0.39	1.175	**0.555**	1.6	39
Left Tilted Full power	18900/1880.0	QPSK	0.168	-1.40	1.175	0.197	1.6	/
50%RB#0								
Right Cheek Full power	18900/1880.0	QPSK	0.305	0.26	1.059	0.323	1.6	/
Right Tilted Full power	18900/1880.0	QPSK	0.102	-2.38	1.059	0.108	1.6	/
Left Cheek Full power	18900/1880.0	QPSK	0.403	-1.27	1.059	0.427	1.6	/
Left Tilted Full power	18900/1880.0	QPSK	0.121	-3.11	1.059	0.128	1.6	/
Body-worn	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power (10mm)	18900/1880.0	QPSK	0.399	1.79	1.175	0.469	1.6	/
Back Upward DSI 3 power (10mm)	18900/1880.0	QPSK	0.849	-3.36	1.169	0.992	1.6	/
Back Upward DSI 3 power (10mm)	18700/1860.0	QPSK	0.757	-2.91	1.180	0.893	1.6	/
Back Upward DSI 3 power (10mm)	19100/1900.0	QPSK	**0.974**	0.31	1.172	**1.142**	1.6	40
Back Upward DSI 3 power (10mm) Repeat	**19100/1900.0**	**QPSK**	**0.965**	**-0.67**	**1.172**	**1.131**	**1.6**	**/**
Back Upward Full power (17mm)	18900/1880.0	QPSK	0.603	2.64	1.175	0.709	1.6	/
50%RB#0								

Front Upward Full power (10mm)	18900/1880.0	QPSK	0.322	-0.95	1.059	0.341	1.6	/
Back Upward DSI 3 power (10mm)	18900/1880.0	QPSK	0.713	-2.69	1.109	0.791	1.6	/
Back Upward Full power (17mm)	18900/1880.0	QPSK	0.502	-2.01	1.059	0.532	1.6	/
100%RB#0								
Back Upward DSI 3 power (10mm)	18900/1880.0	QPSK	0.705	1.10	1.107	0.780	1.6	/
Hotspot	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power (10mm)	18900/1880.0	QPSK	0.399	1.79	1.175	0.469	1.6	/
Back Upward DSI 3 power (10mm)	18900/1880.0	QPSK	0.849	-3.36	1.169	0.992	1.6	/
Back Upward DSI 3 power (10mm)	18700/1860.0	QPSK	0.757	-2.91	1.180	0.893	1.6	/
Back Upward DSI 3 power (10mm)	19100/1900.0	QPSK	**0.974**	0.31	1.172	**1.142**	1.6	40
Back Upward DSI 3 power (10mm) Repeat	**19100/1900.0**	**QPSK**	**0.965**	**-0.67**	**1.172**	**1.131**	**1.6**	**/**
Back Upward Full power (17mm)	18900/1880.0	QPSK	0.603	2.64	1.175	0.709	1.6	/
Left Full power (10mm)	18900/1880.0	QPSK	0.207	-3.04	1.175	0.243	1.6	/
Right Full power (10mm)	18900/1880.0	QPSK	0.066	-2.51	1.175	0.078	1.6	/
Bottom DSI 3 power (10mm)	18900/1880.0	QPSK	0.578	-0.24	1.169	0.689	1.6	/
Bottom Full power (17mm)	18900/1880.0	QPSK	0.597	-1.25	1.175	0.701	1.6	/
50%RB#0								

Front Upward Full power (10mm)	18900/1880.0	QPSK	0.322	-0.95	1.059	0.341	1.6	/
Back Upward DSI 3 power (10mm)	18900/1880.0	QPSK	0.713	-2.69	1.109	0.791	1.6	/
Back Upward Full power (17mm)	18900/1880.0	QPSK	0.502	-2.01	1.059	0.532	1.6	/
Left Full power (10mm)	18900/1880.0	QPSK	0.165	1.26	1.059	0.175	1.6	/
Right Full power (10mm)	18900/1880.0	QPSK	0.042	-2.24	1.059	0.044	1.6	/
Bottom DSI 3 power (10mm)	18900/1880.0	QPSK	0.508	0.66	1.109	0.563	1.6	/
Bottom Full power (17mm)	18900/1880.0	QPSK	0.521	-1.41	1.059	0.552	1.6	/
100%RB#0								
Back Upward DSI 3 power (10mm)	18900/1880.0	QPSK	0.705	1.10	1.107	0.780	1.6	/

Results overview of FDD LTE Band 4, QPSK, 20MHz Bandwidth

ANT 2

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Right Cheek Full power	20175/1732.5	QPSK	0.556	1.22	1.151	0.640	1.6	/
Right Tilted Full power	20175/1732.5	QPSK	0.289	-0.92	1.151	0.333	1.6	/
Left Cheek Full power	20175/1732.5	QPSK	**0.664**	-0.33	1.151	**0.764**	1.6	41
Left Tilted Full power	20175/1732.5	QPSK	0.352	-3.69	1.151	0.405	1.6	/
50%RB#0								
Right Cheek Full power	20175/1732.5	QPSK	0.492	-2.51	1.132	0.557	1.6	/
Right Tilted Full power	20175/1732.5	QPSK	0.223	1.96	1.132	0.252	1.6	/
Left Cheek Full power	20175/1732.5	QPSK	0.574	-0.92	1.132	0.650	1.6	/
Left Tilted Full power	20175/1732.5	QPSK	0.290	-2.12	1.132	0.328	1.6	/
Body-worn	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power (10mm)	20175/1732.5	QPSK	0.137	-0.11	1.151	0.158	1.6	/
Back Upward DSI 3 power (10mm)	20175/1732.5	QPSK	**0.223**	-0.64	1.161	**0.259**	1.6	42
Back Upward Full power (17mm)	20175/1732.5	QPSK	0.156	-0.83	1.151	0.180	1.6	/
50%RB#0								
Front Upward Full power (10mm)	20175/1732.5	QPSK	0.102	-2.49	1.132	0.115	1.6	/
Back Upward DSI 3 power (10mm)	20175/1732.5	QPSK	0.175	-3.53	1.186	0.208	1.6	/
Back Upward Full power (17mm)	20175/1732.5	QPSK	0.126	-3.81	1.132	0.143	1.6	/

Hotspot	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power (10mm)	20175/1732.5	QPSK	0.137	-0.11	1.151	0.158	1.6	/
Back Upward DSI 3 power (10mm)	20175/1732.5	QPSK	0.223	-0.64	1.161	0.259	1.6	/
Back Upward Full power (17mm)	20175/1732.5	QPSK	0.156	-0.83	1.151	0.180	1.6	/
Left Full power (10mm)	20175/1732.5	QPSK	**0.351**	0.95	1.151	**0.404**	1.6	43
Top Full power (10mm)	20175/1732.5	QPSK	0.163	2.24	1.151	0.188	1.6	/
50%RB#0								
Front Upward Full power (10mm)	20175/1732.5	QPSK	0.102	-2.49	1.132	0.115	1.6	/
Back Upward DSI 3 power (10mm)	20175/1732.5	QPSK	0.175	-3.53	1.186	0.208	1.6	/
Back Upward Full power (17mm)	20175/1732.5	QPSK	0.126	-3.81	1.132	0.143	1.6	/
Left Full power (10mm)	20175/1732.5	QPSK	0.287	-0.88	1.151	0.330	1.6	/
Top Full power (10mm)	20175/1732.5	QPSK	0.129	-1.19	1.151	0.148	1.6	/

Results overview of FDD LTE Band 4, QPSK, 20MHz Bandwidth

ANT 3

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Right Cheek Full power	20175/1732.5	QPSK	0.165	-0.86	1.135	0.187	1.6	/
Right Tilted Full power	20175/1732.5	QPSK	0.072	-2.41	1.135	0.082	1.6	/
Left Cheek Full power	20175/1732.5	QPSK	**0.199**	-0.63	1.135	**0.226**	1.6	44
Left Tilted Full power	20175/1732.5	QPSK	0.085	-1.87	1.135	0.096	1.6	/
50%RB#0								
Right Cheek Full power	20175/1732.5	QPSK	0.121	-0.59	1.114	0.135	1.6	/
Right Tilted Full power	20175/1732.5	QPSK	0.055	2.33	1.114	0.061	1.6	/
Left Cheek Full power	20175/1732.5	QPSK	0.148	-3.51	1.114	0.165	1.6	/
Left Tilted Full power	20175/1732.5	QPSK	0.067	-0.82	1.114	0.075	1.6	/
Body-worn	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power (10mm)	20175/1732.5	QPSK	**0.266**	-1.17	1.135	**0.302**	1.6	45
Back Upward DSI 3 power (10mm)	20175/1732.5	QPSK	0.208	0.20	1.183	0.246	1.6	/
Back Upward Full power (17mm)	20175/1732.5	QPSK	0.164	-0.83	1.135	0.186	1.6	/
50%RB#0								
Front Upward Full power (10mm)	20175/1732.5	QPSK	0.210	1.57	1.114	0.234	1.6	/
Back Upward DSI 3 power (10mm)	20175/1732.5	QPSK	0.152	-0.73	1.159	0.176	1.6	/
Back Upward Full power (17mm)	20175/1732.5	QPSK	0.120	-2.91	1.114	0.134	1.6	/

Hotspot	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power (10mm)	20175/1732.5	QPSK	**0.266**	-1.17	1.135	**0.302**	1.6	45
Back Upward DSI 3 power (10mm)	20175/1732.5	QPSK	0.208	0.20	1.183	0.246	1.6	/
Back Upward Full power (17mm)	20175/1732.5	QPSK	0.164	-0.83	1.135	0.186	1.6	/
Left Full power (10mm)	20175/1732.5	QPSK	0.130	-2.52	1.135	0.148	1.6	/
Right Full power (10mm)	20175/1732.5	QPSK	0.062	0.79	1.135	0.070	1.6	/
Bottom DSI 3 power (10mm)	20175/1732.5	QPSK	0.184	-3.12	1.183	0.218	1.6	/
Bottom Full power (17mm)	20175/1732.5	QPSK	0.131	-0.56	1.135	0.149	1.6	/
50%RB#0								
Front Upward Full power (10mm)	20175/1732.5	QPSK	0.210	1.57	1.114	0.234	1.6	/
Back Upward DSI 3 power (10mm)	20175/1732.5	QPSK	0.152	-0.73	1.159	0.176	1.6	/
Back Upward Full power (17mm)	20175/1732.5	QPSK	0.120	-2.91	1.114	0.134	1.6	/
Left Full power (10mm)	20175/1732.5	QPSK	0.105	-0.62	1.114	0.117	1.6	/
Right Full power (10mm)	20175/1732.5	QPSK	0.050	-3.52	1.114	0.056	1.6	/
Bottom DSI 3 power (10mm)	20175/1732.5	QPSK	0.140	2.01	1.159	0.162	1.6	/
Bottom Full power (17mm)	20175/1732.5	QPSK	0.094	0.55	1.114	0.105	1.6	/

Results overview of FDD LTE Band 5, QPSK, 10MHz Bandwidth

ANT 2

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Right Cheek Full power	20525/836.5	QPSK	**0.400**	0.45	1.153	**0.461**	1.6	5
Right Tilted Full power	20525/836.5	QPSK	0.341	-1.49	1.153	0.393	1.6	/
Left Cheek Full power	20525/836.5	QPSK	0.326	0.27	1.153	0.376	1.6	/
Left Tilted Full power	20525/836.5	QPSK	0.228	0.54	1.153	0.263	1.6	/
Difference test of Right Cheek Full power	20525/836.5	QPSK	**0.657**	-2.56	1.153	**0.758**	1.6	46
50%RB#0								
Right Cheek Full power	20525/836.5	QPSK	0.320	-2.25	1.180	0.378	1.6	/
Right Tilted Full power	20525/836.5	QPSK	0.261	2.42	1.180	0.308	1.6	/
Left Tilted Full power	20525/836.5	QPSK	0.254	-3.87	1.180	0.300	1.6	/
Left Tilted Full power	20525/836.5	QPSK	0.191	-1.06	1.180	0.225	1.6	/
Body-worn(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power	20525/836.5	QPSK	0.136	-3.19	1.153	0.157	1.6	/
Back Upward Full power	20525/836.5	QPSK	**0.248**	-1.82	1.153	**0.286**	1.6	6
Difference test of Back Upward Full power	20525/836.5	QPSK	**0.305**	0.95	1.153	**0.352**	1.6	47
50%RB#0								
Front Upward Full power	20525/836.5	QPSK	0.105	-1.07	1.180	0.124	1.6	/
Back Upward Full power	20525/836.5	QPSK	0.217	3.46	1.180	0.256	1.6	/
Hotspot(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward	20525/836.5	QPSK	0.136	-3.19	1.153	0.157	1.6	/

Back Upward	20525/836.5	QPSK	**0.248**	-1.82	1.153	**0.286**	1.6	6
Left Full power	20525/836.5	QPSK	0.064	0.96	1.153	0.074	1.6	/
Top Full power	20525/836.5	QPSK	0.071	-2.66	1.153	0.082	1.6	/
Difference test of Back Upward Full power	20525/836.5	QPSK	**0.305**	0.95	1.153	**0.352**	1.6	47
50%RB#0								
Front Upward Full power	20525/836.5	QPSK	0.105	-1.07	1.180	0.124	1.6	/
Back Upward Full power	20525/836.5	QPSK	0.217	3.46	1.180	0.256	1.6	/
Left Full power	20525/836.5	QPSK	0.048	-0.51	1.180	0.057	1.6	/
Top Full power	20525/836.5	QPSK	0.054	2.27	1.180	0.064	1.6	/

Results overview of FDD LTE Band 5, QPSK, 10MHz Bandwidth

ANT 3

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Right Cheek Full power	20525/836.5	QPSK	0.283	0.58	1.178	0.333	1.6	/
Right Tilted Full power	20525/836.5	QPSK	0.130	-1.36	1.178	0.153	1.6	/
Left Cheek Full power	20525/836.5	QPSK	**0.317**	-2.56	1.178	**0.373**	1.6	7
Left Tilted Full power	20525/836.5	QPSK	0.148	0.25	1.178	0.174	1.6	/
Difference test of Left Cheek Full power	20525/836.5	QPSK	0.255	-3.72	1.178	0.300	1.6	/
50%RB#0								
Right Cheek Full power	20525/836.5	QPSK	0.234	-2.95	1.067	0.250	1.6	/
Right Tilted Full power	20525/836.5	QPSK	0.112	-0.18	1.067	0.120	1.6	/
Left Cheek Full power	20525/836.5	QPSK	0.274	2.24	1.067	0.292	1.6	/
Left Tilted Full power	20525/836.5	QPSK	0.141	-3.17	1.067	0.150	1.6	/
Body-worn(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power	20525/836.5	QPSK	0.333	-2.07	1.178	0.392	1.6	/
Back Upward Full power	20525/836.5	QPSK	**0.406**	-0.20	1.178	**0.478**	1.6	8
Difference test of Back Upward Full power	20525/836.5	QPSK	0.348	1.64	1.178	0.410	1.6	/
50%RB#0								
Front Upward Full power	20525/836.5	QPSK	0.262	0.23	1.067	0.280	1.6	/
Back Upward Full power	20525/836.5	QPSK	0.346	-2.47	1.067	0.369	1.6	/
Hotspot(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward	20525/836.5	QPSK	0.333	-2.07	1.178	0.392	1.6	/

Full power								
Back Upward Full power	20525/836.5	QPSK	**0.406**	-0.20	1.178	**0.478**	1.6	8
Left Full power	20525/836.5	QPSK	0.215	1.14	1.178	0.253	1.6	/
Right Full power	20525/836.5	QPSK	0.362	0.58	1.178	0.426	1.6	/
Bottom Full power	20525/836.5	QPSK	0.191	3.10	1.178	0.225	1.6	/
Difference test of Back Upward Full power	20525/836.5	QPSK	0.348	1.64	1.178	0.410	1.6	/
50%RB#0								
Front Upward Full power	20525/836.5	QPSK	0.262	0.23	1.067	0.280	1.6	/
Back Upward Full power	20525/836.5	QPSK	0.346	-2.47	1.067	0.369	1.6	/
Left Full power	20525/836.5	QPSK	0.169	3.05	1.067	0.180	1.6	/
Right Full power	20525/836.5	QPSK	0.274	-1.15	1.067	0.292	1.6	/
Bottom Full power	20525/836.5	QPSK	0.168	2.00	1.067	0.179	1.6	/

Results overview of FDD LTE Band 12, QPSK, 10MHz Bandwidth

ANT 2

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Right Cheek Full power	23095/707.5	QPSK	**0.672**	-2.91	1.112	**0.747**	1.6	9
Right Tilted Full power	23095/707.5	QPSK	0.539	-0.53	1.112	0.599	1.6	/
Left Cheek Full power	23095/707.5	QPSK	0.614	-0.61	1.112	0.683	1.6	/
Left Tilted Full power	23095/707.5	QPSK	0.448	1.80	1.112	0.498	1.6	/
Difference test of Right Cheek Full power	23095/707.5	QPSK	**0.705**	-3.71	1.112	**0.784**	1.6	48
50%RB#0								
Right Cheek	23095/707.5	QPSK	0.594	-0.74	1.102	0.655	1.6	/
Right Tilted	23095/707.5	QPSK	0.501	-2.53	1.102	0.552	1.6	/
Left Cheek	23095/707.5	QPSK	0.523	-1.61	1.102	0.576	1.6	/
Left Tilted	23095/707.5	QPSK	0.392	3.80	1.102	0.432	1.6	/
Body-worn(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power	23095/707.5	QPSK	0.246	-2.57	1.112	0.274	1.6	/
Back Upward Full power	23095/707.5	QPSK	**0.434**	-1.02	1.112	**0.483**	1.6	10
Difference test of Back Upward Full power	23095/707.5	QPSK	0.397	-1.65	1.112	0.441	1.6	/
50%RB#0								
Front Upward Full power	23095/707.5	QPSK	0.189	-0.81	1.102	0.208	1.6	/
Back Upward Full power	23095/707.5	QPSK	0.383	-1.52	1.102	0.422	1.6	/
Hotspot(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power	23095/707.5	QPSK	0.246	-2.57	1.112	0.274	1.6	/
Back Upward	23095/707.5	QPSK	**0.434**	-1.02	1.112	**0.483**	1.6	10
Left Full power	23095/707.5	QPSK	0.187	0.52	1.112	0.208	1.6	/

Top Full power	23095/707.5	QPSK	0.105	-0.13	1.112	0.117	1.6	/
Difference test of Back Upward Full power	23095/707.5	QPSK	0.397	-1.65	1.112	0.441	1.6	/
50%RB#0								
Front Upward Full power	23095/707.5	QPSK	0.189	-0.81	1.102	0.208	1.6	/
Back Upward Full power	23095/707.5	QPSK	0.383	-1.52	1.102	0.422	1.6	/
Left Full power	23095/707.5	QPSK	0.152	3.28	1.102	0.168	1.6	/
Top Full power	23095/707.5	QPSK	0.096	-1.55	1.102	0.106	1.6	/

Results overview of FDD LTE Band 12, QPSK, 10MHz Bandwidth

ANT 3

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Right Cheek Full power	23095/707.5	QPSK	0.202	0.56	1.119	0.226	1.6	/
Right Tilted Full power	23095/707.5	QPSK	0.085	-2.65	1.119	0.095	1.6	/
Left Cheek Full power	23095/707.5	QPSK	**0.248**	1.63	1.119	0.278	1.6	11
Left Tilted Full power	23095/707.5	QPSK	0.099	-0.47	1.119	0.111	1.6	/
Left Cheek Full power	23095/707.5	QPSK	0.220	-2.43	1.119	0.246	1.6	/
50%RB#0								
Right Cheek Full power	23095/707.5	QPSK	0.179	-3.41	1.119	0.200	1.6	/
Right Tilted Full power	23095/707.5	QPSK	0.072	1.75	1.119	0.081	1.6	/
Left Cheek Full power	23095/707.5	QPSK	0.224	-2.01	1.119	0.251	1.6	/
Left Tilted Full power	23095/707.5	QPSK	0.089	-1.12	1.119	0.100	1.6	/
Body-worn(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power	23095/707.5	QPSK	0.266	3.89	1.119	0.298	1.6	/
Back Upward Full power	23095/707.5	QPSK	**0.390**	-0.55	1.119	**0.436**	1.6	12
Back Upward Full power	23095/707.5	QPSK	**0.412**	-0.90	1.119	**0.461**	1.6	49
50%RB#0								
Front Upward Full power	23095/707.5	QPSK	0.224	-0.98	1.119	0.251	1.6	/
Back Upward Full power	23095/707.5	QPSK	0.312	-1.67	1.119	0.349	1.6	/
Hotspot(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power	23095/707.5	QPSK	0.266	3.89	1.119	0.298	1.6	/
Back Upward	23095/707.5	QPSK	**0.390**	-0.55	1.119	0.436	1.6	12

Full power								
Left Full power	23095/707.5	QPSK	0.214	-1.95	1.119	0.239	1.6	/
Right Full power	23095/707.5	QPSK	0.295	2.71	1.119	0.330	1.6	/
Bottom Full power	23095/707.5	QPSK	0.367	-0.72	1.119	0.411	1.6	/
Back Upward Full power	23095/707.5	QPSK	**0.412**	-0.90	1.119	**0.461**	1.6	49
50%RB#0								
Front Upward Full power	23095/707.5	QPSK	0.224	-0.98	1.119	0.251	1.6	/
Back Upward Full power	23095/707.5	QPSK	0.312	-1.67	1.119	0.349	1.6	/
Left Full power	23095/707.5	QPSK	0.180	0.89	1.119	0.201	1.6	/
Right Full power	23095/707.5	QPSK	0.212	-3.55	1.119	0.237	1.6	/
Bottom Full power	23095/707.5	QPSK	0.282	2.16	1.119	0.316	1.6	/

Results overview of FDD LTE Band 66, QPSK, 20MHz Bandwidth

ANT 2

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Right Cheek Full power	132322/1745.0	QPSK	0.635	-2.20	1.104	0.701	1.6	/
Right Tilted Full power	132322/1745.0	QPSK	0.489	0.73	1.104	0.540	1.6	/
Left Cheek Full power	132322/1745.0	QPSK	**0.691**	-3.90	1.104	**0.763**	1.6	50
Left Tilted Full power	132322/1745.0	QPSK	0.543	-0.41	1.104	0.599	1.6	/
50%RB#0								
Right Cheek Full power	132322/1745.0	QPSK	0.512	-1.06	1.164	0.596	1.6	/
Right Tilted Full power	132322/1745.0	QPSK	0.390	-3.48	1.164	0.454	1.6	/
Left Cheek Full power	132322/1745.0	QPSK	0.538	-2.96	1.164	0.626	1.6	/
Left Tilted Full power	132322/1745.0	QPSK	0.409	-2.01	1.164	0.476	1.6	/
Body-worn	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power (10mm)	132322/1745.0	QPSK	0.212	-1.02	1.104	0.234	1.6	/
Back Upward DSI 3 power (10mm)	132322/1745.0	QPSK	**0.223**	-0.64	1.138	**0.254**	1.6	51
Back Upward Full power (17mm)	132322/1745.0	QPSK	0.160	-3.09	1.104	0.177	1.6	/
50%RB#0								
Front Upward Full power (10mm)	132322/1745.0	QPSK	0.169	-1.83	1.164	0.197	1.6	/
Back Upward DSI 3 power (17mm)	132322/1745.0	QPSK	0.178	-2.21	1.167	0.208	1.6	/

Back Upward Full power (17mm)	132322/1745.0	QPSK	0.113	0.63	1.164	0.132	1.6	/
Hotspot	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power (10mm)	132322/1745.0	QPSK	0.212	-1.02	1.104	0.234	1.6	/
Back Upward DSI 3 power (17mm)	132322/1745.0	QPSK	0.223	-0.64	1.138	0.254	1.6	/
Back Upward Full power (17mm)	132322/1745.0	QPSK	0.160	-3.09	1.104	0.177	1.6	/
Left Full power (10mm)	132322/1745.0	QPSK	**0.347**	-0.10	1.104	**0.383**	1.6	52
Top Full power (10mm)	132322/1745.0	QPSK	0.133	-0.85	1.104	0.147	1.6	/
50%RB#0								
Front Upward Full power (10mm)	132322/1745.0	QPSK	0.169	-1.83	1.164	0.197	1.6	/
Back Upward DSI 3 power (17mm)	132322/1745.0	QPSK	0.178	-2.21	1.167	0.208	1.6	/
Back Upward Full power (17mm)	132322/1745.0	QPSK	0.113	0.63	1.164	0.132	1.6	/
Left Full power (10mm)	132322/1745.0	QPSK	0.328	-3.28	1.164	0.382	1.6	/
Top Full power (10mm)	132322/1745.0	QPSK	0.107	-1.17	1.164	0.125	1.6	/

Results overview of FDD LTE Band 66, QPSK, 20MHz Bandwidth

ANT 3

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Right Cheek Full power	132322/1745.0	QPSK	0.134	-0.74	1.143	0.153	1.6	/
Right Tilted Full power	132322/1745.0	QPSK	0.062	-2.10	1.143	0.071	1.6	/
Left Cheek Full power	132322/1745.0	QPSK	**0.159**	1.28	1.143	**0.182**	1.6	53
Left Tilted Full power	132322/1745.0	QPSK	0.073	-0.63	1.143	0.083	1.6	/
50%RB#0								
Right Cheek Full power	132322/1745.0	QPSK	0.095	-1.62	1.180	0.112	1.6	/
Right Tilted Full power	132322/1745.0	QPSK	0.049	0.43	1.180	0.058	1.6	/
Left Cheek Full power	132322/1745.0	QPSK	0.116	-0.77	1.180	0.137	1.6	/
Left Tilted Full power	132322/1745.0	QPSK	0.058	-2.10	1.180	0.068	1.6	/
Body-worn	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power (10mm)	132322/1745.0	QPSK	**0.371**	-0.40	1.143	**0.424**	1.6	54
Back Upward DSI 3 power (10mm)	132322/1745.0	QPSK	0.201	-1.99	1.178	0.237	1.6	/
Back Upward Full power (17mm)	132322/1745.0	QPSK	0.185	-1.04	1.143	0.211	1.6	/
50%RB#0								
Front Upward Full power (10mm)	132322/1745.0	QPSK	0.329	-0.88	1.180	0.388	1.6	/
Back Upward DSI 3 power (10mm)	132322/1745.0	QPSK	0.167	0.97	1.059	0.177	1.6	/
Back Upward	132322/1745.0	QPSK	0.140	-0.56	1.180	0.165	1.6	/

Full power (17mm)								
Hotspot	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
1RB#0								
Front Upward Full power (10mm)	132322/1745.0	QPSK	**0.371**	-0.40	1.143	**0.424**	1.6	54
Back Upward DSI 3 power (10mm)	132322/1745.0	QPSK	0.201	-1.99	1.178	0.237	1.6	/
Back Upward Full power (17mm)	132322/1745.0	QPSK	0.185	-1.04	1.143	0.211	1.6	/
Left Full power (10mm)	132322/1745.0	QPSK	0.125	-2.87	1.143	0.143	1.6	/
Right Full power (10mm)	132322/1745.0	QPSK	0.069	-1.66	1.143	0.079	1.6	/
Bottom DSI 3 power (10mm)	132322/1745.0	QPSK	0.269	-0.30	1.178	0.317	1.6	/
Bottom Full power (13mm)	132322/1745.0	QPSK	0.183	-1.52	1.143	0.209		
50%RB#0								
Front Upward Full power (10mm)	132322/1745.0	QPSK	0.329	-0.88	1.180	0.388	1.6	/
Back Upward DSI 3 power (10mm)	132322/1745.0	QPSK	0.167	0.97	1.059	0.177	1.6	/
Back Upward Full power (17mm)	132322/1745.0	QPSK	0.140	-0.56	1.180	0.165	1.6	/
Left Full power (10mm)	132322/1745.0	QPSK	0.092	-1.71	1.180	0.109	1.6	/
Right Full power (10mm)	132322/1745.0	QPSK	0.055	0.20	1.180	0.065	1.6	/
Bottom DSI 3 power (10mm)	132322/1745.0	QPSK	0.215	-0.66	1.059	0.228	1.6	/
Bottom Full power	132322/1745.0	QPSK	0.157	0.10	1.180	0.185	1.6	/

(13mm)								

Results overview of WIFI2.4G 802.11b

ANT 1

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Right Cheek Full power	6/2437.0	802.11b	0.089	-0.65	1.265	0.113	1.6	/
Right Tilted Full power	6/2437.0	802.11b	0.060	-0.21	1.265	0.076	1.6	/
Left Cheek Full power	6/2437.0	802.11b	**0.104**	-1.99	1.265	**0.132**	1.6	13
Left Tilted Full power	6/2437.0	802.11b	0.069	-1.56	1.265	0.087	1.6	/
Difference test of Left Cheek Full power	6/2437.0	802.11b	**0.149**	-1.77	1.265	**0.188**	1.6	55
Body-worn(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power	6/2437.0	802.11b	0.024	-2.45	1.265	0.030	1.6	/
Back Upward Full power	6/2437.0	802.11b	**0.027**	0.58	1.265	**0.034**	1.6	14
Difference test of Back Upward Full power	6/2437.0	802.11b	**0.034**	0.41	1.265	**0.043**	1.6	56
Hotspot(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power	6/2437.0	802.11b	0.024	-2.45	1.265	0.030	1.6	/
Back Upward Full power	6/2437.0	802.11b	0.027	0.58	1.265	0.034	1.6	/
Right Full power	6/2437.0	802.11b	0.013	-1.36	1.265	0.016	1.6	/
Top Full power	6/2437.0	802.11b	**0.034**	0.12	1.265	**0.043**	1.6	15
Difference test of Top Full power	6/2437.0	802.11b	**0.041**	-1.14	1.265	**0.052**	1.6	57

Results overview of WIFI U-NII 1 802.11a

ANT 1

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Right Cheek Full power	44/5220.0	802.11a	0.102	0.53	1.167	0.119	1.6	/
Right Tilted Full power	44/5220.0	802.11a	0.108	0.31	1.167	0.126	1.6	/
Left Cheek Full power	44/5220.0	802.11a	0.101	-0.75	1.167	0.118	1.6	/
Left Tilted Full power	44/5220.0	802.11a	**0.113**	-1.24	1.167	**0.132**	1.6	16
Difference test of Left Tilted Full power	44/5220.0	802.11a	0.105	-2.24	1.167	0.123	1.6	/
Body-worn(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power	44/5220.0	802.11a	0.091	-1.24	1.167	0.106	1.6	/
Back Upward Full power	44/5220.0	802.11a	**0.158**	-2.47	1.167	**0.184**	1.6	17
Difference test of Back Upward Full power	44/5220.0	802.11a	0.139	0.40	1.167	0.162	1.6	/

Results overview of WIFI U-NII 2a 802.11a

ANT 1

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Right Cheek Full power	60/5300.0	802.11a	0.094	0.65	1.183	0.111	1.6	/
Right Tilted Full power	60/5300.0	802.11a	0.101	0.15	1.183	0.119	1.6	/
Left Cheek Full power	60/5300.0	802.11a	0.101	0.54	1.183	0.119	1.6	/
Left Tilted Full power	60/5300.0	802.11a	**0.108**	0.79	1.183	**0.128**	1.6	18
Difference test of Left Tilted Full power	60/5300.0	802.11a	0.095	-1.61	1.183	0.112	1.6	/
Body-worn(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power	60/5300.0	802.11a	0.090	-3.81	1.183	0.106	1.6	/
Back Upward Full power	60/5300.0	802.11a	**0.173**	-2.77	1.183	**0.205**	1.6	19
Difference test of Back Upward Full power	60/5300.0	802.11a	0.156	-3.76	1.183	0.185	1.6	/

Results overview of WIFI U-NII 2c 802.11a

ANT 1

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Right Cheek Full power	120/5600.0	802.11a	0.090	-0.62	1.143	0.103	1.6	/
Right Tilted Full power	120/5600.0	802.11a	0.096	-0.54	1.143	0.110	1.6	/
Left Cheek Full power	120/5600.0	802.11a	0.099	-2.88	1.143	0.113	1.6	/
Left Tilted Full power	120/5600.0	802.11a	**0.108**	-1.96	1.143	**0.123**	1.6	20
Difference test of Left Tilted Full power	120/5600.0	802.11a	0.092	0.95	1.143	0.105	1.6	/
Body-worn(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power	120/5600.0	802.11a	0.086	-1.96	1.143	0.098	1.6	/
Back Upward Full power	120/5600.0	802.11a	**0.306**	0.54	1.143	**0.350**	1.6	21
Difference test of Back Upward Full power	120/5600.0	802.11a	0.281	-1.24	1.143	0.321	1.6	/

Results overview of WIFI U-NII 3 802.11a

ANT 1

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Right Cheek Full power	157/5785.0	802.11a	0.110	1.21	1.130	0.124	1.6	/
Right Tilted Full power	157/5785.0	802.11a	0.118	-1.59	1.130	0.133	1.6	/
Left Cheek Full power	157/5785.0	802.11a	0.115	-2.31	1.130	0.130	1.6	/
Left Tilted Full power	157/5785.0	802.11a	**0.122**	-0.17	1.130	**0.138**	1.6	22
Difference test of Left Tilted Full power	157/5785.0	802.11a	0.107	-0.90	1.130	0.121	1.6	/
Body-worn(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power	157/5785.0	802.11a	0.086	-0.19	1.130	0.097	1.6	/
Back Upward Full power	157/5785.0	802.11a	**0.306**	0.74	1.130	**0.346**	1.6	23
Difference test of Back Upward Full power	157/5785.0	802.11a	0.273	-1.66	1.130	0.308	1.6	/

Results overview of BT

ANT 1

Head	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Right Cheek Full power	39/2441.0	DH5	0.112	-2.65	1.079	0.121	1.6	/
Right Tilted Full power	39/2441.0	DH5	0.098	1.54	1.079	0.106	1.6	/
Left Cheek Full power	39/2441.0	DH5	**0.135**	1.22	1.079	**0.146**	1.6	24
Left Tilted Full power	39/2441.0	DH5	0.117	-0.26	1.079	0.126	1.6	/
Difference test of Left Cheek Full power	39/2441.0	DH5	0.118	-1.02	1.079	0.127	1.6	/
Body-worn(10mm)	Channel /Frequency	Mode	SAR Value (W/kg)1-g	Power drift(%)	Scaled Factor	Scaled SAR (W/Kg)1-g	Limit (W/kg)	SAR Plot.
Front Upward Full power	39/2441.0	DH5	0.028	-1.18	1.079	0.030	1.6	/
Back Upward Full power	39/2441.0	DH5	**0.031**	-2.30	1.079	**0.033**	1.6	25
Difference test of Back Upward Full power	39/2441.0	DH5	0.025	-0.29	1.079	0.027	1.6	/

Note:
Per KDB941225 D06 v02r01, When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested. As the manufacture requirement the separation distance use 10mm for Hotspot mode.
Per KDB Publication 941225 D01v03r01. RMC 12.2kbps was as primary mode SAR, when the primary mode SAR less than 1.2W/kg, secondary SAR (HSPA) was not requires.
When the 1-g SAR for the mid-band channel or the channel with the highest output power satisfy the following conditions, testing of the other channels in the band is not required. (Per KDB 447498 D01 General RF Exposure Guidance v06)
• ≤ 0.8 W/kg, when the transmission band is ≤ 100 MHz
• ≤ 0.6 W/kg, when the transmission band is between 100 MHz and 200 MHz
• ≤ 0.4 W/kg, when the transmission band is ≥ 200 MHz

12. Simultaneous Transmissions Analysis

LocalizedSpecific Absorption Rate (SAR) of this portable wireless device has been measured in all cases requested by the relevant standards cited in Clause 6 of this report. Maximum localized SAR is **below** exposure limits specified in the relevant standards.

Simultaneous SAR

No.	Transmitter Combinations	Head	Body	Hotspot
1	WWAN + WLAN 2.4GHz	Support	Support	Support
2	WWAN + WLAN 5GHz	Support	Support	No Support
3	WWAN+ Bluetooth	Support	Support	No Support

Note:

1. EUT will choose each WCDMA, LTE according to the network signal condition; therefore, they will not operate simultaneously at any moment.
2. EUT WCDMA/LTE primary and secondary antennas all support transmitting and receiving, but LTE does not support MIMO function.
3. The reported SAR summation is calculated based on the same configuration and test position.

Simultaneous Tx Combination of GSM/WCDMA/LTE and BT/WIFI (Head)

Test Position/Freq.		Right Cheek	Right Tilted	Left Cheek	Left Tilted
Head MAX 1-g SAR(W/Kg)	WCDMA 850 ANT 2	0.026	0.013	0.046	0.017
	WCDMA 850 ANT 3	0.224	0.141	0.313	0.171
	WCDMA 1700 ANT 2	0.211	0.099	0.259	0.114
	WCDMA 1700 ANT 3	0.161	0.091	0.205	0.113
	WCDMA 1900 ANT 2	0.634	0.297	0.759	0.345
	WCDMA 1900 ANT 3	0.272	0.127	0.324	0.149
	LTE Band 2 ANT 2	0.923	0.510	1.165	0.662
	LTE Band 2 ANT 3	0.457	0.160	0.555	0.197
	LTE Band 4 ANT 2	0.640	0.333	0.764	0.405
	LTE Band 4 ANT 3	0.187	0.082	0.226	0.096
	LTE Band 5 ANT 2	0.758	0.393	0.376	0.263
	LTE Band 5 ANT 3	0.333	0.153	0.373	0.174
	LTE Band 12 ANT 2	0.784	0.599	0.683	0.498
	LTE Band 12 ANT 3	0.226	0.095	0.278	0.111
	LTE Band 66 ANT 2	0.701	0.540	0.763	0.599
	LTE Band 66 ANT 3	0.153	0.071	0.182	0.083
	WIFI 2.4G ANT 1	0.113	0.076	0.188	0.087
	WIFI 5G U-NII 1 ANT 1	0.119	0.126	0.118	0.132
	WIFI 5G U-NII 2a ANT 1	0.111	0.119	0.119	0.128
	WIFI 5G U-NII 2c ANT 1	0.103	0.110	0.113	0.123
	WIFI 5G U-NII 3 ANT 1	0.124	0.133	0.130	0.138
	BT ANT 1	0.121	0.106	0.146	0.126
WWAN MAX SAR		0.923	0.599	1.165	0.662
WIFI/BT MAX SAR		0.124	0.133	0.188	0.138
Max Simultaneous ∑1-g SAR(W/Kg) (WIFI/BT MAX SAR +WWAN ANT MAX SAR)		1.047	0.732	1.353	0.8

Simultaneous Tx Combination of GSM/WCDMA/LTE and BT/WIFI (Body).

Test Position		Front	Back	Left	Right	Top	Bottom
Body-worn MAX 1-g SAR(W/Kg)	WCDMA 850 ANT 2	0.017	0.048	/	/	/	/
	WCDMA 850 ANT 3	0.341	0.415	/	/	/	/
	WCDMA 1700 ANT 2	0.038	0.075	/	/	/	/
	WCDMA 1700 ANT 3	0.418	0.245	/	/	/	/
	WCDMA 1900 ANT 2	0.131	0.251	/	/	/	/
	WCDMA 1900 ANT 3	0.417	1.142	/	/	/	/
	LTE Band 2 ANT 2	0.431	0.502	/	/	/	/
	LTE Band 2 ANT 3	0.469	1.142	/	/	/	/
	LTE Band 4 ANT 2	0.158	0.259	/	/	/	/
	LTE Band 4 ANT 3	0.302	0.246	/	/	/	/
	LTE Band 5 ANT 2	0.157	0.352	/	/	/	/
	LTE Band 5 ANT 3	0.392	0.478	/	/	/	/
	LTE Band 12 ANT 2	0.274	0.483	/	/	/	/
	LTE Band 12 ANT 3	0.298	0.461	/	/	/	/
	LTE Band 66 ANT 2	0.234	0.254	/	/	/	/
	LTE Band 66 ANT 3	0.424	0.237	/	/	/	/
	WIFI 2.4G ANT 1	0.030	0.043	/	/	/	/
	WIFI 5G U-NII 1 ANT 1	0.106	0.184	/	/	/	/
	WIFI 5G U-NII 2a ANT 1	0.106	0.205	/	/	/	/
	WIFI 5G U-NII 2c ANT 1	0.098	0.350	/	/	/	/
	WIFI 5G U-NII 3 ANT 1	0.097	0.346	/	/	/	/
	BT ANT 1	0.030	0.033	/	/	/	/
WWAN MAX SAR		0.469	1.142	/	/	/	/
WIFI/BT MAX SAR		0.106	0.350	/	/	/	/
Max Simultaneous ∑1-g SAR(W/Kg) (WIFI/BT MAX SAR +WWAN ANT MAX SAR)		0.575	1.492	/	/	/	/

Simultaneous Tx Combination of GSM/WCDMA/LTE and WIFI (Hotspot).

Test Position		Front	Back	Left	Right	Top	Bottom
Hotspot MAX 1-g SAR(W/Kg)	WCDMA 850 ANT 2	0.017	0.048	0.023	/	0.026	/
	WCDMA 850 ANT 3	0.341	0.415	0.213	0.341	/	0.202
	WCDMA 1700 ANT 2	0.038	0.075	0.090	/	0.040	/
	WCDMA 1700 ANT 3	0.418	0.245	0.187	0.081	/	0.321
	WCDMA 1900 ANT 2	0.131	0.251	0.350	/	0.087	/
	WCDMA 1900 ANT 3	0.417	1.142	0.323	0.106	/	1.098
	LTE Band 2 ANT 2	0.431	0.502	0.392	/	0.375	/
	LTE Band 2 ANT 3	0.469	1.142	0.243	0.078	/	0.701
	LTE Band 4 ANT 2	0.158	0.259	0.404	/	0.188	/
	LTE Band 4 ANT 3	0.302	0.246	0.148	0.070	/	0.218
	LTE Band 5 ANT 2	0.157	0.352	0.074	/	0.082	/
	LTE Band 5 ANT 3	0.392	0.478	0.253	0.426	/	0.225
	LTE Band 12 ANT 2	0.274	0.483	0.208	/	0.117	/
	LTE Band 12 ANT 3	0.298	0.461	0.239	0.330	/	0.411
	LTE Band 66 ANT 2	0.234	0.254	0.383	/	0.147	/
	LTE Band 66 ANT 3	0.424	0.237	0.143	0.079	/	0.317
	WIFI 2.4G ANT 1	0.030	0.034	/	0.016	0.052	/
WWAN MAX SAR		0.469	1.142	0.404	0.426	0.375	1.098
WIFI/BT MAX SAR		0.030	0.034	/	0.016	0.052	/
Max Simultaneous ∑1-g SAR(W/Kg) (WIFI/BT MAX SAR +WWAN ANT MAX SAR)		0.499	1.176	0.404	0.442	0.427	1.098

SAR to PeakLocation SeparationRatio (SPLSR)

As the Sum ofthe SAR is not greater than1.6 W/kg SPLSR assessment is not required

13. Measurement Uncertainty

No.	Uncertainty Component	Type	Uncertainty Value (%)	Probability Distribution	k	ci	Standard Uncertainty (%) ui(%)	Degree of freedom Veff or vi
	Measurement System							
1	- Probe Calibration	B	5.8	N	1	1	5.8	∞
2	- Axial isotropy	B	3.5	R	$\sqrt{3}$	0.5	1.43	∞
3	—Hemispherical Isotropy	B	5.9	R	$\sqrt{3}$	0.5	2.41	∞
4	- Boundary Effect	B	1	R	$\sqrt{3}$	1	0.58	∞
5	- Linearity	B	4.7	R	$\sqrt{3}$	1	2.71	∞
6	- System Detection Limits	B	1.0	R	$\sqrt{3}$	1	0.58	∞
7	Modulation response	B	3	N	1	1	3.00	
8	- Readout Electronics	B	0.5	N	1	1	0.50	∞
9	- Response Time	B	1.4	R	$\sqrt{3}$	1	0.81	∞
10	- Integration Time	B	3.0	R	$\sqrt{3}$	1	1.73	∞
11	- RF Ambient Conditions	B	3.0	R	$\sqrt{3}$	1	1.73	∞
12	- Probe Position Mechanical tolerance	B	1.4	R	$\sqrt{3}$	1	0.81	∞
13	- Probe Position with respect to Phantom Shell	B	1.4	R	$\sqrt{3}$	1	0.81	∞
14	- Extrapolation, Interpolation and Integration Algorithms for Max. SAR evaluation	B	2.3	R	$\sqrt{3}$	1	1.33	∞
	Uncertainties of the DUT							

15	- Position of the DUT	A	2.6	N	$\sqrt{3}$	1	2.6	5
16	- Holder of the DUT	A	3	N	$\sqrt{3}$	1	3.0	5
17	- Output Power Variation – SAR drift measurement	B	5.0	R	$\sqrt{3}$	1	2.89	∞
Phantom and Tissue Parameters								
18	- Phantom Uncertainty(shape and thickness tolerances)	B	4	R	$\sqrt{3}$	1	2.31	∞
19	Uncertainty in SAR correction for deviation(in permittivity and conductivity)	B	2	N	1	1	2.00	
20	- Liquid Conductivity Target – tolerance	B	2.5	R	$\sqrt{3}$	0.6	1.95	∞
21	- Liquid Conductivity – measurement Uncertainty)	B	4	N	$\sqrt{3}$	1	0.92	9
22	- Liquid Permittivity Target tolerance	B	2.5	R	$\sqrt{3}$	0.6	1.95	∞
23	- Liquid Permittivity – measurement uncertainty	B	5	N	$\sqrt{3}$	1	1.15	∞
Combined Standard Uncertainty				RSS			10.63	
Expanded uncertainty (Confidence interval of 95 %)				K=2			21.26	

System Check Uncertainty

No.	Uncertainty Component	Type	Uncertainty Value (%)	Probability Distribution	k	ci	Standard Uncertainty (%) ui(%)	Degree of freedom Veff or vi
	Measurement System							
1	- Probe Calibration	B	5.8	N	1	1	5.8	∞
2	- Axial isotropy	B	3.5	R	$\sqrt{3}$	0.5	1.43	∞

3	－Hemispherical Isotropy	B	5.9	R	$\sqrt{3}$	0.5	2.41	∞
4	- Boundary Effect	B	1	R	$\sqrt{3}$	1	0.58	∞
5	- Linearity	B	4.7	R	$\sqrt{3}$	1	2.71	∞
6	- System Detection Limits	B	1	R	$\sqrt{3}$	1	0.58	∞
7	Modulation response	B	0	N	1	1	0.00	
8	- Readout Electronics	B	0.5	N	1	1	0.50	∞
9	- Response Time	B	0.00	R	$\sqrt{3}$	1	0.00	∞
10	- Integration Time	B	1.4	R	$\sqrt{3}$	1	0.81	∞
11	- RF Ambient Conditions	B	3.0	R	$\sqrt{3}$	1	1.73	∞
12	- Probe Position Mechanical tolerance	B	1.4	R	$\sqrt{3}$	1	0.81	∞
13	- Probe Position with respect to Phantom Shell	B	1.4	R	$\sqrt{3}$	1	0.81	∞
14	- Extrapolation, Interpolation and Integration Algorithms for Max. SAR evaluation	B	2.3	R	$\sqrt{3}$	1	1.33	∞
	Uncertainties of the DUT							
15	Deviation of experimental source from numberical source	A	4	N	1	1	4.00	5
16	Input Power and SAR drift measurement	A	5	R	$\sqrt{3}$	1	2.89	5
17	Dipole Axis to Liquid Distance	B	2	R	$\sqrt{3}$	1	1.2	∞
Phantom and Tissue Parameters								
18	- Phantom Uncertainty(shape	B	4	R	$\sqrt{3}$	1	2.31	∞

	and thickness tolerances)							
19	Uncertainty in SAR correction for deviation(in permittivity and conductivity)	B	2	N	1	1	2.00	
20	- Liquid Conductivity Target – tolerance	B	2.5	R	$\sqrt{3}$	0.6	1.95	∞
21	- Liquid Conductivity – measurement Uncertainty)	B	4	N	$\sqrt{3}$	1	0.92	9
22	- Liquid Permittivity Target tolerance	B	2.5	R	$\sqrt{3}$	0.6	1.95	∞
23	- Liquid Permittivity – measurement uncertainty	B	5	N	$\sqrt{3}$	1	1.15	∞
Combined Standard Uncertainty				RSS			10.15	
Expanded uncertainty (Confidence interval of 95 %)				K=2			20.29	

14. Equipment List

This table is a complete overview of the SAR measurement equipment. Devices used during the test described are marked ☒.

	EQUIPMENT	Model	Serial number	Calibration Date	Due Date
☒	SAR Probe	SSE2	SN 32/22 EPGO383	2022/09/05	2023/09/04
☒	SAR Probe	SSE2	0523-EPGO-403	2023/02/14	2024/02/13
☒	Dipole	SID750	SN 23/15 DIP0G750-378	2023/05/24	2026/05/23
☒	Dipole	SID835	SN 09/13 DIP0G835-217	2023/05/24	2026/05/23
☒	Dipole	SID1800	SN 09/13 DIP1G800-216	2023/05/24	2026/05/23
☒	Dipole	SID1900	SN 09/13 DIP1G900-218	2023/05/24	2026/05/23
☒	Dipole	SID2450	SN 09/13 DIP2G450-220	2023/05/24	2026/05/23
☒	Dipole	SWG5500	SN15/15 WGA39	2023/05/25	2026/05/24
☒	Multimeter	Keithley-2000	4014020	2023/02/20	2024/02/19
☒	System Simulator(R&S)	CMW500	149332	2022/12/13	2023/12/12
☒	KEYSIGHT	E7515A	MY56040357	2023/02/20	2024/02/19
☒	Vector Network Analyzer(R&S)	ZVB8	100343	2023/02/20	2024/02/19
☒	PC 3.5 Fixed Match Calibration Kit	ZV-Z32	100571	2023/02/20	2024/02/19
☒	Dielectric Probe Kit	SCLMP	SN 09/13 OCPG51	2023/02/20	2024/02/19
☒	Signal Generator	SMU100A	177649	2023/02/20	2024/02/19
☒	Amplifier	Nucletudes	143060	2023/02/20	2024/02/19
☒	Directional Coupler	DC6180A	305827	2023/06/15	2024/06/14
☒	Power Meter	NRP2	103434	2023/02/20	2024/02/19

ANNEX A: Appendix A: SAR System performance Check Plots

(Please See Appendix A)

ANNEX B: Appendix B: SAR Measurement results Plots

(Please See Appendix B)

ANNEX C: Appendix C: Calibration reports

(Please See Appendix C)

ANNEX D: Appendix D: SAR Test Setup

(Please See Appendix D)

—End of the Report—