SAR TEST REPORT

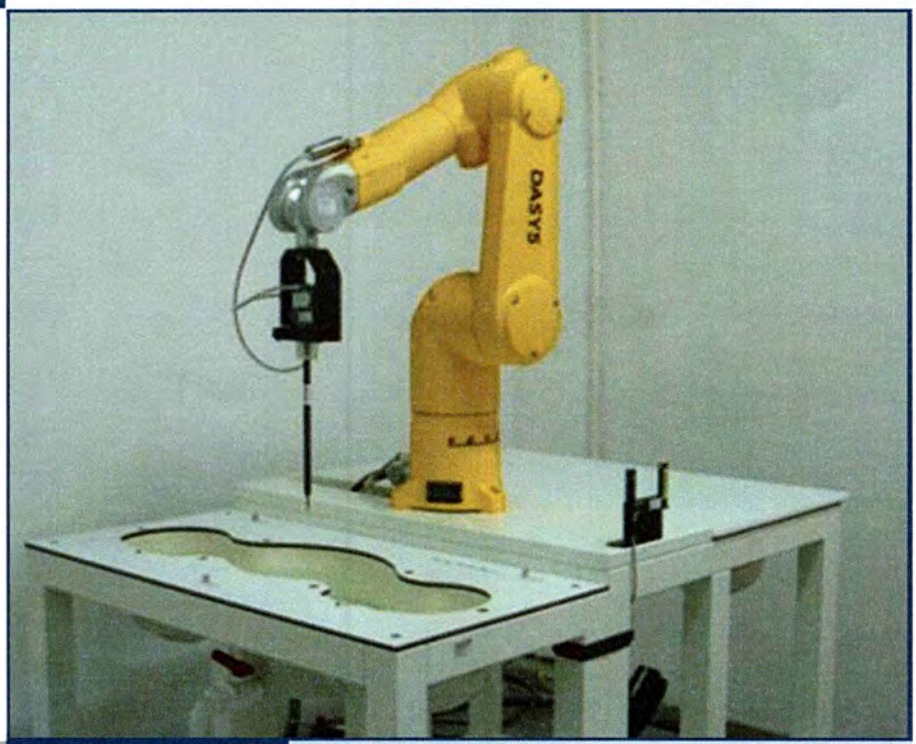
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

Mobile Phone

ISSUED TO
Guangdong OPPO Mobile Telecommunications Corp., Ltd.

NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China



Tested by: Zong Liyao
Date: Sep. 27, 2021

Approved by: Liao Jianming
(Technical Director)
Date: Sep. 27, 2021

Report No.:	BL-SZ2190504-701
EUT Name:	Mobile Phone
Model Name:	A103OP
Brand Name:	OPPO
FCC ID:	R9C-A103OP
Test Standard:	FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g): 1.171 W/kg Body (1 g): 0.511 W/kg Hotspot (1 g): 1.185 W/kg
Test Conclusion:	Pass
Test Date:	Jan. 26, 2021 ~ Feb. 05, 2021
Date of Issue:	Sep. 27, 2021

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Revision History

Version	Issue Date	Revisions Content
Rev. 01	Sep. 27, 2021	Initial Issue

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1 GENERAL INFORMATION

1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100
Fax Number	+86 755 6182 4271

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

1.3 Test Environment Condition

Ambient Temperature	21℃ to 23℃
Ambient Relative Humidity	38% to 47%
Ambient Pressure	100 KPa to 102 KPa

1.4 Announce

(1) The test report reference to the report template version v2.2.

(2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.

(3) The test report is invalid if there is any evidence and/or falsification.

(4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.

(5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.

(6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

(7) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

2.2 Manufacturer Information

Manufacturer	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

2.3 Factory Information

Factory	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	A103OP
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS 11
Dimensions (Approx.)	162x74.4x8.2mm
Weight (Approx.)	182g

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	OPPO
	Model No.	BLP779
	Serial No.	N/A
	Capacitance	Rated: 3890mAh/14.97Wh Typical: 4000mAh/15.40Wh
	Rated Voltage	3.85 V
	Limited Voltage	4.4 V
Ancillary Equipment 2	Earphone	
	Model No.	MH156
	Length (Approx.)	1.2 m

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/17/26 LTE TDD Band 38/41 LTE CA Uplink (UL): CA_7C Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3 GPS, GLONASS, BDS, Galileo, SBAS, NFC, FM receiver

The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	GSM, WCDMA, LTE, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2545 ~ 2655 MHz	RX: 2545 ~ 2655 MHz
	802.11b/g /n(HT20)	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40 /VHT80)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna		
DTM	Support		
Hotspot Function	Support		
Power Reduction	Support		
Exposure Category	General Population/Uncontrolled exposure		
EUT Stage	Portable Device		
Product	Type		
	☒ Production unit	☐ Identical prototype	

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	FCC 47 CFR Part 2.1093	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	ANSI/IEEE Std. C95.1-1999	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D01 v06	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
5	FCC KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	FCC KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	FCC KDB 941225 D06 v02r01	SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities
8	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
9	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
10	FCC KDB 648474 D04 v01r03	SAR Evaluation Considerations for Wireless Handsets
11	KDB 248227 D01 v02r02	SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters

Note: The only difference between the EUT (test samples in this report) and testing sample of report BL-SZ 2110319-701, which was issued by Shenzhen BALUN Technology Co., Ltd. on Mar. 19, 2021 show as below:

1. Model name changed to A103OP.
2. Changed from dual cards to "one actual cards + one eSIM".

And others hardware circuit and software were all the same. So all test data originate from the report BL-SZ 2110319-701, which was issued by Shenzhen BALUN Technology Co., Ltd. on Mar. 19, 2021.

3.2 Device Category and SAR Limit

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user.

Limit for General Population/Uncontrolled exposure should be applied for this device, it is 1.6 W/kg as averaged over any 1 gram of tissue.

Table of Exposure Limits:

Body Position	SAR Value (W/Kg)	
	General Population/ Uncontrolled Exposure	Occupational/ ControlledExposure
Whole-Body SAR (averaged over the entire body)	0.08	0.4
Partial-Body SAR (averaged over any 1 gram of tissue)	1.60	8.0
SAR for hands, wrists, feet and ankles (averaged over any 10 grams of tissue)	4.0	20.0

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Head	Body-worn Accessory	Hotspot	Head	Body-worn Accessory	Hotspot
GSM 850	0.283	0.223	0.371	**1.171**	**0.511**	**1.185**
GSM 1900	0.992	0.308	1.068			
WCDMA Band 2	0.627	0.282	0.829			
WCDMA Band 4	0.635	0.291	0.976			
WCDMA Band 5	0.895	0.441	1.058			
LTE Band 2	0.809	0.292	**1.185**			
LTE Band 4	0.742	0.306	1.003			
LTE Band 5	1.070	0.384	0.859			
LTE Band 7	0.497	0.458	0.792			
LTE Band 12	0.503	0.242	0.469			
LTE Band 17	0.580	0.243	0.460			
LTE Band 26	1.016	0.231	0.879			
LTE Band 38	0.598	0.270	0.627			
LTE Band 41	0.447	0.265	0.571			
2.4G WLAN	**1.171**	0.179	0.454			
5.2G WLAN	/	/	0.372			
5.3G WLAN	0.758	0.318	/			
5.6G WLAN	1.101	0.434	/			
5.8G WLAN	1.084	**0.511**	0.465			
Bluetooth	0.370	0.051	0.107			
Limit (W/kg)	1.6			1.6		
Verdict	PASS					

3.3.2 Highest Specific SAR (10 g Value)

Band	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)
	Specific 10g	
WCDMA Band 2	1.080	**1.995**
WCDMA Band 4	1.818	
LTE Band 2	1.224	
LTE Band 4	**1.995**	
5.3G WLAN	1.550	
5.6G WLAN	1.633	
Limit (W/kg)	4.0	4.0
Verdict	Pass	

3.3.3 Highest Simultaneous SAR

Position	Simultaneous Configuration	Simultaneous SAR (W/kg)	Limit (W/kg)	Verdict
Head (1g)	LTE Band 5 + 5G WIFI + Bluetooth	1.492	1.6	Pass
Body-worn Accessory (1g)	LTE Band 7 + 5G WIFI + Bluetooth	1.020	1.6	Pass
Hotspot (1g)	LTE Band 2 + 5G WIFI + Bluetooth	1.273	1.6	Pass

3.4 Test Uncertainty

According to KDB 865664 D01, When the highest measured 1 g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis is not required in SAR reports submitted for equipment approval.

The maximum 1 g SAR for the EUT in this report is 1.185 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.
The maximum 10 g SAR for the EUT in this report is 1.995 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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 (ρ). The equation description is as below:

$$\mathbf{SAR} = \frac{d}{\mathbf{dt}}\left(\frac{d\mathbf{W}}{\mathbf{dm}}\right) = \frac{d}{\mathbf{dt}}\left(\frac{d\mathbf{W}}{\boldsymbol{\rho}\mathbf{dv}}\right)$$

SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

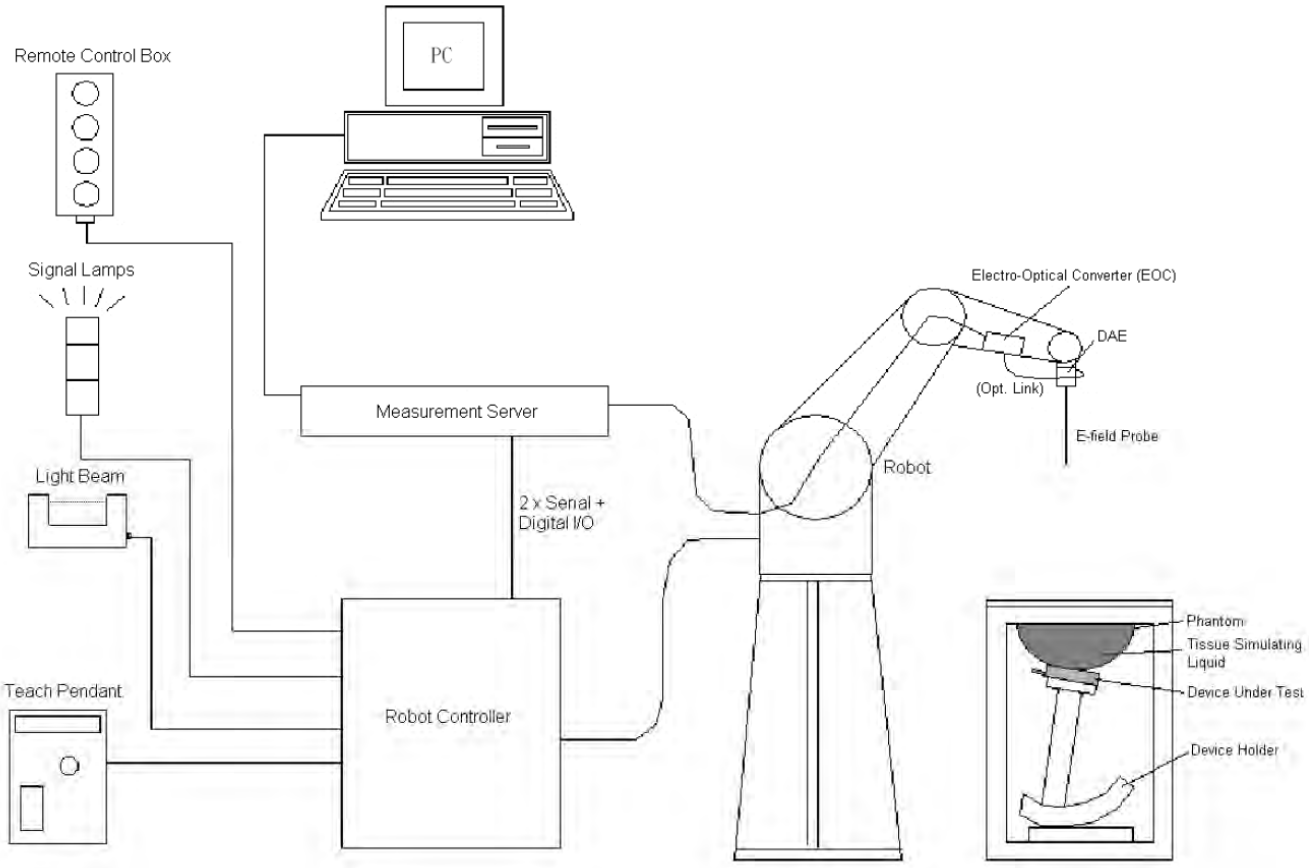
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^2}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

ρ is the mass density of the tissue and E is the RMS electrical field strength.

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



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

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY measurement server.
6. The DASY measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

4.2.2 Robot

The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many features that are important for our application:

Photo for DASY5

- High precision
  (repeatability ±0.02 mm)
- High reliability
  (industrial design)
- Low maintenance costs
  (virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements
  (brush less synchron motors; no stepper motors)
- Low ELF interference
  (motor control _elds shielded via the closed metallic c onstruction shields)

Photo for DASY4

- High precision
  (repeatability ±0.02 mm)
- High reliability
  (industrial design)
- Low maintenance costs
  (virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements
  (brush less synchron motors; no stepper motors)
- Low ELF interference
  (motor control _elds shielded via the closed metallic c onstruction shields)

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4 with following specifications is used.

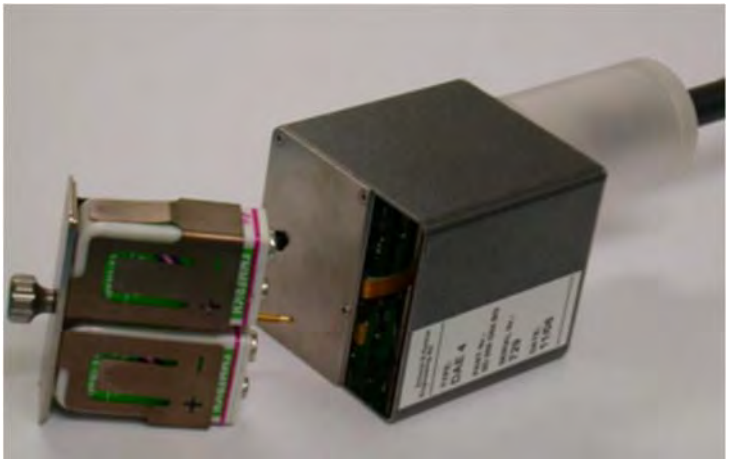
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ; ± 0.4 dB in HSL (rotation normal to probe axis)
Dynamic range	5 µW/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)

E-Field Probe Calibration Process

Probe calibration is realized, in compliance with CENELEC EN 62209-1/-2 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the EN 62209-1/2 annexe technique using reference guide at the five frequencies.

4.2.4 Data Acquisition Electronics

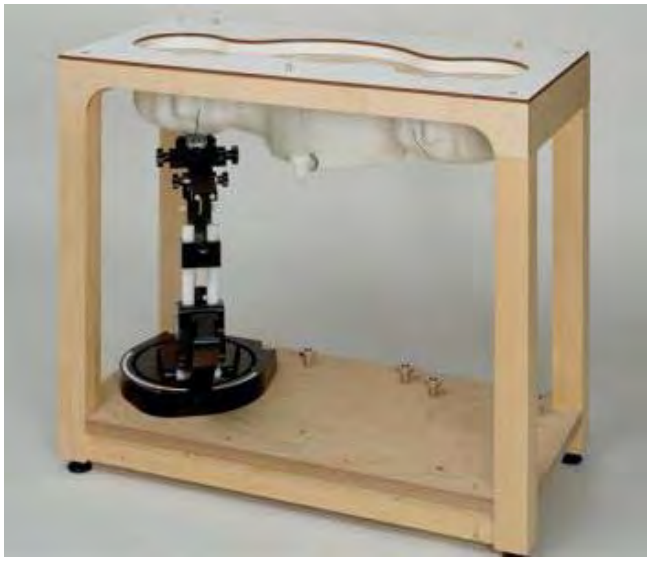
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



- Input Impedance: 200MOhm
- The Inputs: Symmetrical and Floating
- Commom Mode Rejection: Above 80dB

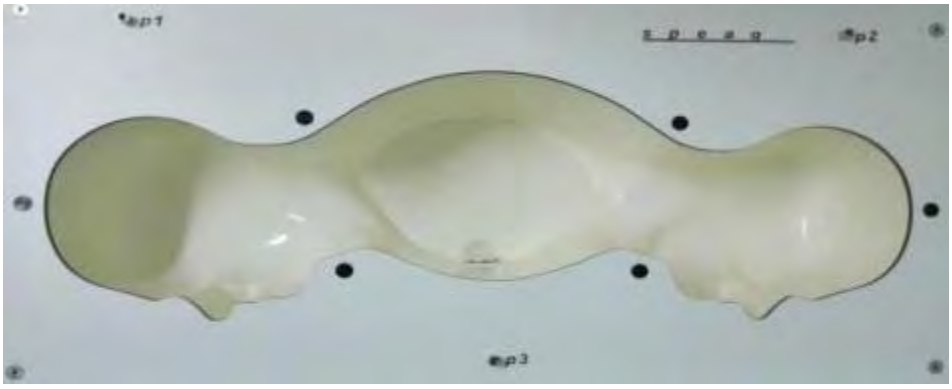
4.2.5 Phantoms

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.



- Left hand
- Right hand
- Flat phantom

Photo of Phantom



Serial Number	Material	Length	Height
SN 1857 SAM1	Vinylester, glass fiber reinforced	1000	500
SN 1859 SAM2	Vinylester, glass fiber reinforced	1000	500
SN 1392 SAM3	Vinylester, glass fiber reinforced	1000	500
SN 1402 SAM4	Vinylester, glass fiber reinforced	1000	500

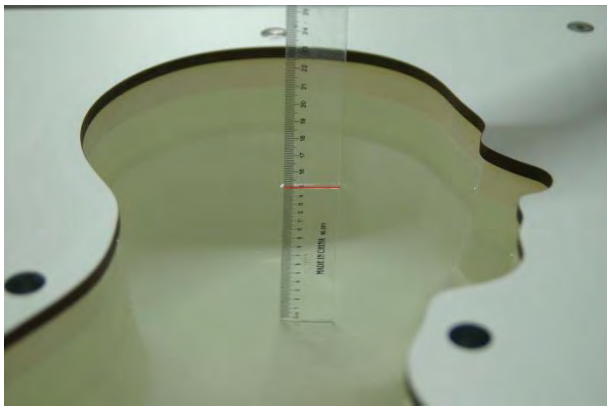
4.2.6 Device Holder

The DASY device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65°. The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA‟s only. If necessary an additional support of polystyrene material is used. Larger DUT‟s (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.

The positioning system allows obtaining cheek and tilting position with a very good accuracy. Incompliance with CENELEC, the tilt angle uncertainty is lower than 1°.

4.2.7 Simulating Liquid

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5%.

Head Liquid Depth	Body Liquid Depth
	

The following table gives the recipes for tissue simulating liquid and the theoretical Conductivity/Permittivity.

Head (Reference IEEE1528)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.4	40.0
2450	55.0	0	0	0.1	0	44.9	1.80	39.2
2600	54.9	0	0	0.1	0	45.0	1.96	39.0
Frequency (MHz)	Water (%)	Hexyl Carbitol (%)			Triton X-100 (%)		Conductivity σ (S/m)	Permittivity ε
5200	62.52	17.24			17.24		4.66	36.0
5800	62.52	17.24			17.24		5.27	35.3
Body (From instrument manufacturer)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	51.7	47.2	0	0.9	0.1	0	0.96	55.5
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
900	50.8	48.2	0	0.9	0.1	0	1.05	55.0
1800, 1900, 2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0.1	0	31.3	1.95	52.7
2600	68.2	0	0	0.1	0	31.7	2.16	52.5
Frequency(MHz)	Water	DGBE (%)			Salt (%)		Conductivity σ (S/m)	Permittivity ε
5200	78.60	21.40			/		5.54	47.86
5800	78.50	21.40			0.1		6.0	48.20

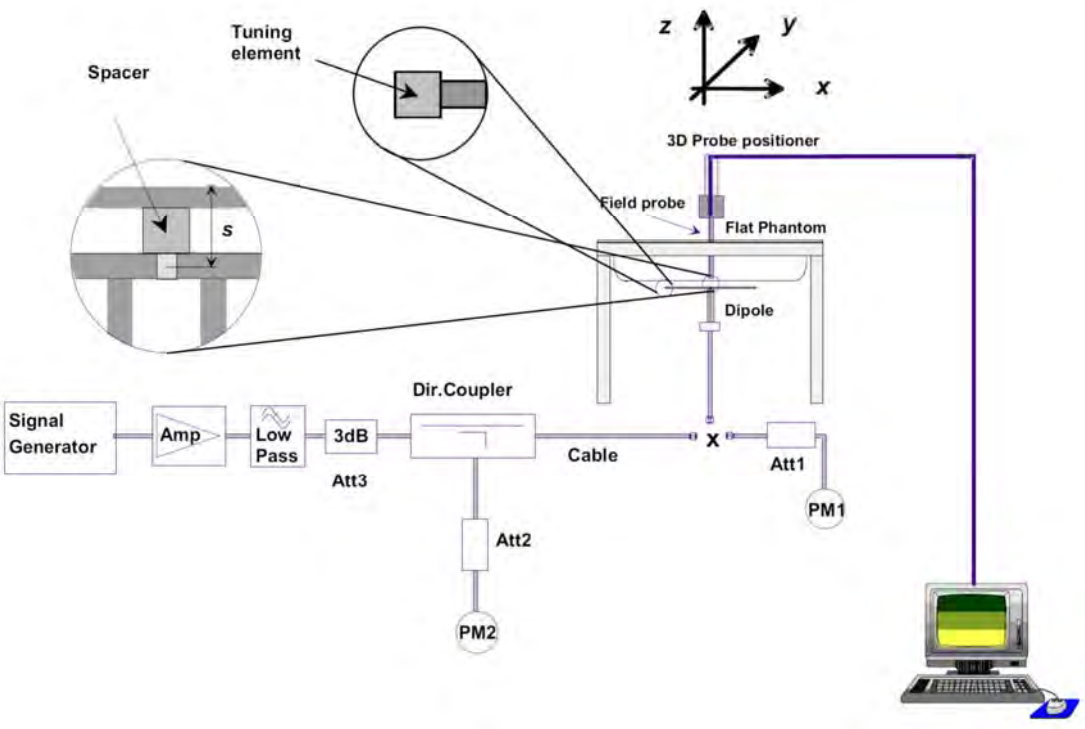
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal SAR measurements in a simplified setup with a well characterized source.This setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

5.2 System Check Setup

In the simplified setup for system evaluation, the EUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:



6 TEST POSITION CONFIGURATIONS

According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

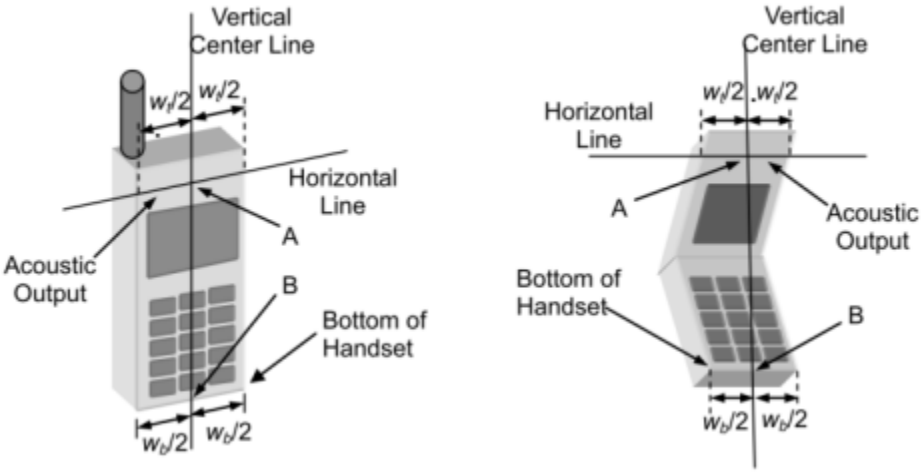
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

(a) The vertical center line passes through two points on the front side of the handset - the midpoint of the width w t of the handset at the level of the acoustic output, and the midpoint of the width w b of the bottom of the handset.

(b) The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.

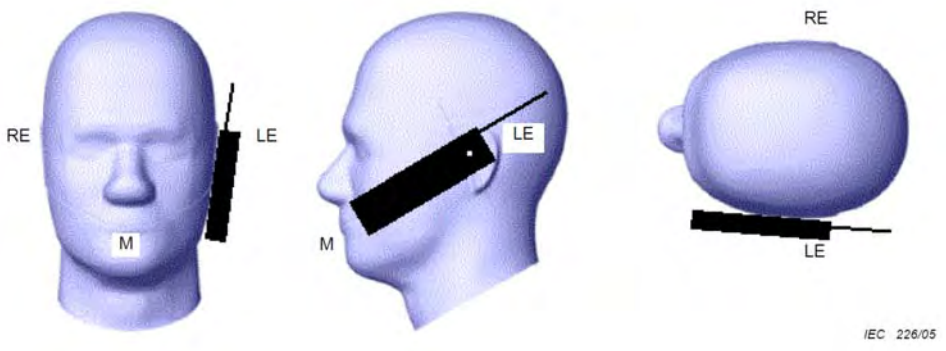
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



6.1.2 Cheek Position

(a) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.

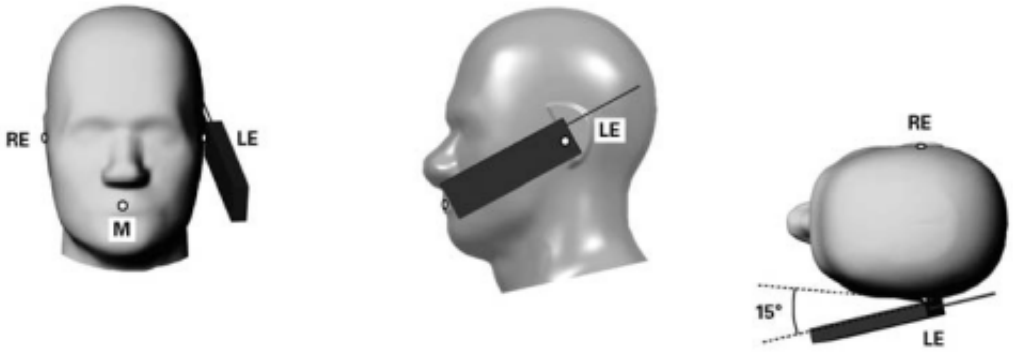
(b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.



6.1.3 Tilted Position

(a) To position the device in the “cheek” position described above.

(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

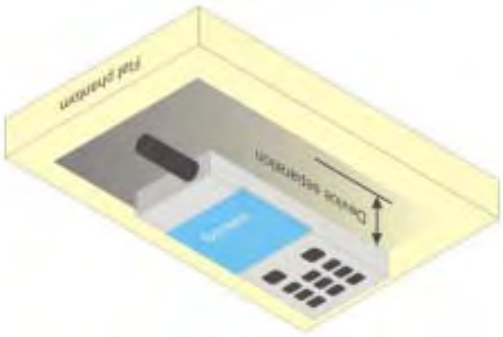


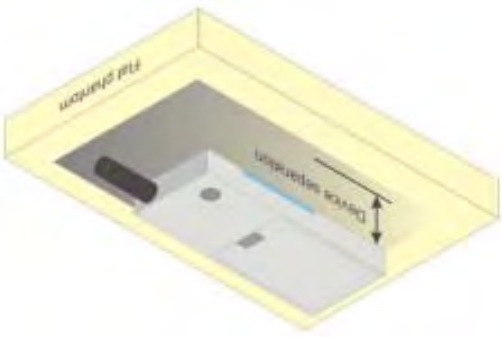
6.2 Body-worn Position Conditions

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB 447498 are used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode. When the reported SAR for a body-worn accessory.

Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics. All body-worn accessories containing metallic components are tested in conjunction with the host device.

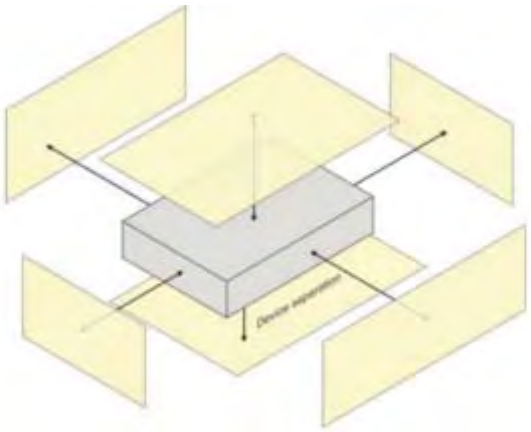
Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice only operations in its normal and expected use conditions, testing of data mode for body-worn compliance is not required. A conservative minimum test separation distance for supporting off-the-shelf body-worn accessories that may be acquired by users of consumer handsets is used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer, according to the requirements of Supplement C 01-01. Devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, will be tested using a conservative minimum test separation distance <= 5 mm to support compliance.





6.3 Hotspot Mode Exposure Position Conditions

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing functions, the relevant hand and body exposure conditions are tested according to the hotspot SAR procedures in KDB 941225. A test separation distance of 10 mm is required between the phantom and all surfaces and edges with a transmitting antenna located within 25 mm from that surface or edge. When the form factor of a handset is smaller than 9 cm x 5 cm, a test separation distance of 5 mm (instead of 10 mm) is required for testing hotspot mode. When the separation distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).



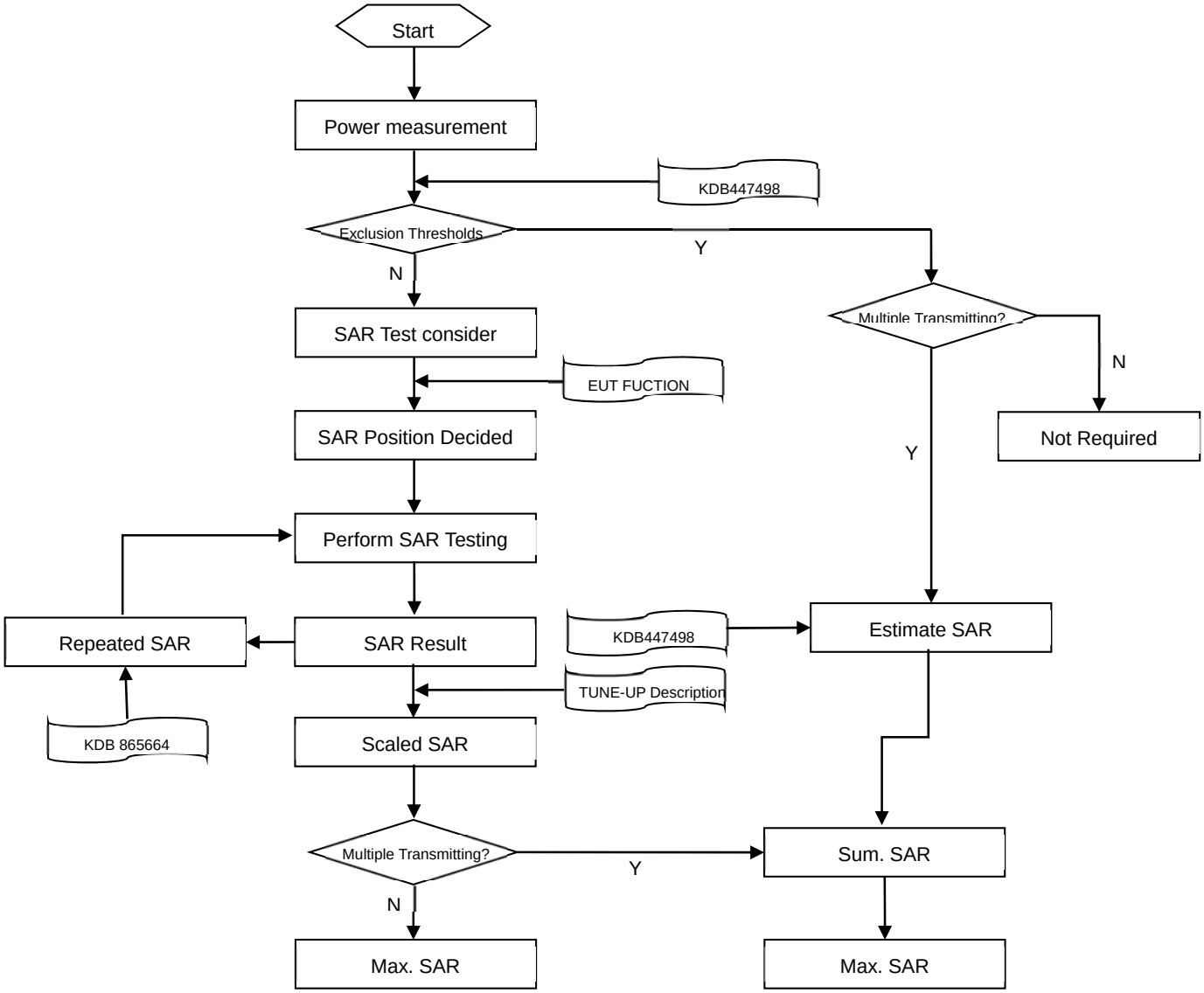
6.4 Product Specific 10g Exposure Consideration

According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed otherwise through KDB inquiries, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance;

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Boththe probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1 g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013.

<table>
<tr><th colspan="3"></th><th>≤3GHz</th><th>>3GHz</th></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5±1 mm</td><td>½·δ·ln(2)±0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30°±1°</td><td>20°±1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx Area , Δy Area</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3–4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom</td><td>≤ 2 GHz: ≤ 8 mm
2 –3 GHz: ≤ 5 mm*</td><td>3–4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="6">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2" rowspan="3">uniform grid: Δz Zoom (n)</td><td rowspan="3">≤ 5 mm</td><td>3–4 GHz: ≤ 4 mm</td></tr>
<tr><td>4–5 GHz: ≤ 3 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="3">graded grid</td><td rowspan="2">Δz Zoom (1): between 1st two points closest to phantom surface</td><td rowspan="3">≤ 4 mm</td><td>3–4 GHz: ≤ 3 mm</td></tr>
<tr><td>4–5 GHz: ≤ 2.5 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td>Δz Zoom (n>1): between subsequent points</td><td colspan="2">≤ 1.5·Δz Zoom (n-1)</td></tr>
<tr><td rowspan="3">Minimum zoom scan volume</td><td colspan="2" rowspan="3">x, y, z</td><td rowspan="3">≥30 mm</td><td>3–4 GHz: ≥ 28 mm</td></tr>
<tr><td>4–5 GHz: ≥ 25 mm</td></tr>
<tr><td>5–6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">Note:
1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
2. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.</td></tr>
</table>

7.3 Measurement Procedure

The following steps are used for each test position

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

b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.

c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.

d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 *32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.

When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

8 CONDUCTED RF OUPUT POWER

8.1 GSM

GSM 850								
GSM850 Band	Burst Average Power(dBm)			Tune-up Limit (dBm)	Frame-Averaged power (dBm)			Tune-up Limit (dBm)
Channel	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.12	32.18	32.01	33.00	22.93	22.99	22.82	23.81
GPRS (GMSK, 1-Slot)	32.18	31.90	31.96	33.00	22.99	22.71	22.77	23.81
GPRS (GMSK, 2-Slots)	30.95	30.78	30.55	31.50	**24.82**	24.65	24.42	25.37
GPRS (GMSK, 3-Slots)	28.68	28.92	28.46	30.00	24.26	24.50	24.04	25.58
GPRS (GMSK, 4-Slots)	27.63	27.66	27.51	28.50	24.45	24.48	24.33	25.32
EGPRS (8PSK, 1-Slot)	26.96	26.95	26.85	28.00	17.77	17.76	17.66	18.81
EGPRS (8PSK, 2-Slots)	25.98	25.93	25.93	26.00	19.85	19.80	19.80	19.87
EGPRS (8PSK, 3-Slots)	23.87	23.92	23.75	24.00	19.45	19.50	19.33	19.58
EGPRS (8PSK, 4-Slots)	22.84	22.68	22.81	23.00	19.66	19.50	19.63	19.82
DTM (GMSK, 2-Slots)	30.55	30.37	30.28	31.50	24.42	24.24	24.15	25.37
DTM (GMSK, 3-Slots)	28.27	28.58	28.10	29.50	23.85	24.16	23.68	25.08
DTM (8PSK, 2-Slots)	28.71	28.65	28.36	29.50	22.58	22.52	22.23	23.37
DTM (8PSK, 3-Slots)	25.81	25.99	25.62	27.50	21.39	21.57	21.20	23.08
GSM 1900								
GSM1900 Band	Burst Average Power(dBm)			Tune-up Limit (dBm)	Frame-Averaged power(dBm)			Tune-up Limit (dBm)
Channel	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	28.71	28.51	28.50	30.00	19.52	19.32	19.31	20.81
GPRS (GMSK, 1-Slot)	28.74	28.47	28.46	30.00	19.55	19.28	19.27	20.81
GPRS (GMSK, 2-Slots)	26.34	26.29	26.24	28.00	20.21	20.16	20.11	21.87
GPRS (GMSK, 3-Slots)	25.26	25.26	25.17	27.00	20.84	20.84	20.75	22.58
GPRS (GMSK, 4-Slots)	24.17	24.16	24.03	26.00	**20.99**	20.98	20.85	22.82
EGPRS (8PSK, 1-Slot)	25.57	25.59	25.38	27.00	16.38	16.40	16.19	17.81
EGPRS (8PSK, 2-Slots)	23.29	23.18	23.02	25.00	17.16	17.05	16.89	18.87
EGPRS (8PSK, 3-Slots)	21.21	21.06	21.20	23.00	16.79	16.64	16.78	18.58
EGPRS (8PSK, 4-Slots)	20.25	20.24	20.08	22.00	17.07	17.06	16.90	18.82
DTM (GMSK, 2-Slots)	25.94	25.97	25.88	27.50	19.81	19.84	19.75	21.37
DTM (GMSK, 3-Slots)	24.93	24.90	24.82	26.50	20.51	20.48	20.40	22.08
DTM (8PSK, 2-Slots)	24.64	24.71	24.61	26.00	18.51	18.58	18.48	19.87
DTM (8PSK, 3-Slots)	22.64	22.57	22.58	24.00	18.22	18.15	18.16	19.58

Note [1]: SAR testing was performed on the maximum frame-averaged power mode.

Note [2]: The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:

Frame-averaged power = Burst averaged power (1 Tx Slot) – 9.19 dB

Frame-averaged power = Burst averaged power (2 Tx Slots) – 6.13 dB

Frame-averaged power = Burst averaged power (3 Tx Slots) - 4.42dB

Frame-averaged power = Burst averaged power (4 Tx Slots) – 3.18 dB

8.2 WCDMA

WCDMA	Band 2				Band 4			
Channel	9262	9400	9538	Tune-up Limit (dBm)	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	23.35	**23.38**	**23.38**	24.00	23.95	23.93	**23.96**	24.50
HSDPA Subtest-1	22.35	22.32	22.19	23.00	22.94	22.99	22.85	23.50
HSDPA Subtest-2	22.34	22.45	22.21	23.00	22.95	23.02	22.94	23.50
HSDPA Subtest-3	21.79	21.86	21.80	22.50	22.47	22.44	22.39	23.00
HSDPA Subtest-4	21.81	21.84	21.69	22.50	22.45	22.52	22.28	23.00
DC-HSDPA Subtest-1	22.41	22.28	22.24	23.00	22.92	22.91	22.86	23.50
DC-HSDPA Subtest-2	22.40	22.51	22.22	23.00	23.03	23.09	22.96	23.50
DC-HSDPA Subtest-3	21.80	21.93	21.77	22.50	22.58	22.42	22.38	23.00
DC-HSDPA Subtest-4	21.79	21.81	21.64	22.50	22.50	22.52	22.36	23.00
HSUPA Subtest-1	22.15	22.23	22.17	23.00	22.96	22.86	22.82	23.50
HSUPA Subtest-2	19.26	19.34	19.10	20.00	19.92	19.99	19.80	20.50
HSUPA Subtest-3	20.33	20.34	20.35	21.00	20.89	20.82	20.79	21.50
HSUPA Subtest-4	19.38	19.33	19.25	20.00	19.97	19.94	19.81	20.50
HSUPA Subtest-5	22.31	22.24	22.14	23.00	23.03	23.07	23.02	23.50
HSPA+ (16QAM)	21.79	21.71	21.61	22.50	22.60	22.50	22.61	23.00
WCDMA	Band 5				/			
Channel	4132	4182	4233	Tune-up Limit (dBm)	/	/	/	/
RMC 12.2Kbps	23.64	23.70	**23.73**	25.00	/	/	/	/
HSDPA Subtest-1	22.64	22.63	22.66	24.00	/	/	/	/
HSDPA Subtest-2	22.71	22.69	22.74	24.00	/	/	/	/
HSDPA Subtest-3	22.19	22.20	22.25	23.50	/	/	/	/
HSDPA Subtest-4	22.18	22.31	22.12	23.50	/	/	/	/
DC-HSDPA Subtest-1	22.61	22.68	22.63	24.00	/	/	/	/
DC-HSDPA Subtest-2	22.76	22.67	22.83	24.00	/	/	/	/
DC-HSDPA Subtest-3	22.20	22.28	22.21	23.50	/	/	/	/
DC-HSDPA Subtest-4	22.23	22.39	22.13	23.50	/	/	/	/
HSUPA Subtest-1	22.70	22.76	22.63	24.00	/	/	/	/
HSUPA Subtest-2	20.67	20.73	20.69	22.00	/	/	/	/
HSUPA Subtest-3	21.68	21.69	21.68	23.00	/	/	/	/
HSUPA Subtest-4	20.70	20.74	20.65	22.00	/	/	/	/
HSUPA Subtest-5	22.71	22.82	22.62	24.00	/	/	/	/
HSPA+ (16QAM)	22.22	22.34	22.08	23.50	/	/	/	/

8.3 LTE

FDD LTE Band 2							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18607	18900	19193	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	21.86	21.77	21.62	23.50
	1 (RB_Pos:3)	MIDDLE	QPSK	21.91	21.82	21.67	23.50
	1 (RB_Pos:5)	HIGH	QPSK	21.86	21.75	21.65	23.50
	3 (RB_Pos:0)	LOW	QPSK	21.84	21.83	21.66	23.50
	3 (RB_Pos:1)	MIDDLE	QPSK	21.89	21.85	21.68	23.50
	3 (RB_Pos:3)	HIGH	QPSK	21.87	21.86	21.62	23.50
	6 (RB_Pos:0)	LOW	QPSK	20.97	20.86	20.73	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.33	20.89	20.82	22.50
	1 (RB_Pos:3)	MIDDLE	16QAM	21.43	20.97	20.90	22.50
	1 (RB_Pos:5)	HIGH	16QAM	21.33	20.94	20.84	22.50
	3 (RB_Pos:0)	LOW	16QAM	21.13	21.03	20.75	22.50
	3 (RB_Pos:1)	MIDDLE	16QAM	21.22	21.09	20.84	22.50
	3 (RB_Pos:3)	HIGH	16QAM	21.11	21.06	20.78	22.50
	6 (RB_Pos:0)	LOW	16QAM	19.90	20.06	19.89	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.20	19.87	19.97	21.50
	1 (RB_Pos:3)	MIDDLE	64QAM	20.30	20.11	19.79	21.50
	1 (RB_Pos:5)	HIGH	64QAM	20.37	19.85	19.71	21.50
	3 (RB_Pos:0)	LOW	64QAM	20.07	20.01	19.88	21.50
	3 (RB_Pos:1)	MIDDLE	64QAM	20.35	20.00	19.72	21.50
	3 (RB_Pos:3)	HIGH	64QAM	20.01	20.17	19.80	21.50
	6 (RB_Pos:0)	LOW	64QAM	18.97	19.23	19.22	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18615	18900	19185	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	21.95	21.78	21.73	23.50
	1 (RB_Pos:8)	MIDDLE	QPSK	21.99	21.88	21.83	23.50
	1 (RB_Pos:14)	HIGH	QPSK	21.99	21.88	21.73	23.50
	8 (RB_Pos:0)	LOW	QPSK	21.03	20.89	20.78	22.50
	8 (RB_Pos:3)	MIDDLE	QPSK	21.12	20.93	20.82	22.50
	8 (RB_Pos:7)	HIGH	QPSK	21.06	20.97	20.82	22.50
	15 (RB_Pos:0)	LOW	QPSK	21.07	20.90	20.84	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.00	21.23	20.81	22.50
	1 (RB_Pos:8)	MIDDLE	16QAM	21.04	21.35	20.87	22.50
	1 (RB_Pos:14)	HIGH	16QAM	20.95	21.35	20.84	22.50
	8 (RB_Pos:0)	LOW	16QAM	20.16	19.94	19.87	21.50
	8 (RB_Pos:3)	MIDDLE	16QAM	20.21	20.03	19.90	21.50
	8 (RB_Pos:7)	HIGH	16QAM	20.18	20.06	19.90	21.50
	15 (RB_Pos:0)	LOW	16QAM	20.09	19.97	19.83	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.50	20.49	20.41	21.50
	1 (RB_Pos:8)	MIDDLE	64QAM	20.69	20.58	20.30	21.50

	1 (RB_Pos:14)	HIGH	64QAM	20.54	20.43	20.15	21.50
	8 (RB_Pos:0)	LOW	64QAM	19.14	19.15	19.02	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	19.27	19.14	19.07	20.50
	8 (RB_Pos:7)	HIGH	64QAM	19.27	19.13	19.14	20.50
	15 (RB_Pos:0)	LOW	64QAM	19.40	19.04	18.87	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18625	18900	19175	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	21.91	21.86	21.72	23.50
	1 (RB_Pos:13)	MIDDLE	QPSK	21.99	21.92	21.79	23.50
	1 (RB_Pos:24)	HIGH	QPSK	21.95	21.91	21.80	23.50
	12 (RB_Pos:0)	LOW	QPSK	21.02	20.90	20.84	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.12	20.95	20.89	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.09	21.01	20.86	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.06	20.89	20.85	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.18	21.38	20.92	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.28	21.49	20.98	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.25	21.50	21.07	22.50
	12 (RB_Pos:0)	LOW	16QAM	20.10	20.06	19.93	21.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.21	20.07	19.95	21.50
	12 (RB_Pos:13)	HIGH	16QAM	20.17	20.11	19.93	21.50
	25 (RB_Pos:0)	LOW	16QAM	20.08	20.00	19.81	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.60	20.53	20.35	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.62	20.55	20.07	21.50
	1 (RB_Pos:24)	HIGH	64QAM	20.41	20.34	20.17	21.50
	12 (RB_Pos:0)	LOW	64QAM	19.07	19.00	18.85	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	19.18	19.03	19.00	20.50
	12 (RB_Pos:13)	HIGH	64QAM	19.18	19.14	18.96	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.20	19.23	18.93	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18650	18900	19150	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	21.89	21.82	21.77	23.50
	1 (RB_Pos:25)	MIDDLE	QPSK	21.84	21.82	21.76	23.50
	1 (RB_Pos:49)	HIGH	QPSK	21.88	21.83	21.74	23.50
	25 (RB_Pos:0)	LOW	QPSK	21.02	20.86	20.72	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.09	20.95	20.85	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.07	21.01	20.89	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.02	20.91	20.78	22.50
	1 (RB_Pos:0)	LOW	16QAM	20.99	21.29	20.83	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	20.86	21.37	20.73	22.50
	1 (RB_Pos:49)	HIGH	16QAM	20.86	21.30	20.76	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.04	19.97	19.87	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.06	19.95	19.95	21.50
	25 (RB_Pos:25)	HIGH	16QAM	20.09	20.01	19.95	21.50

	50 (RB_Pos:0)	LOW	16QAM	20.02	19.96	19.83	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.67	20.56	20.27	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.48	20.44	20.08	21.50
	1 (RB_Pos:49)	HIGH	64QAM	20.53	20.49	20.06	21.50
	25 (RB_Pos:0)	LOW	64QAM	19.13	19.20	19.10	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	19.23	19.08	19.25	20.50
	25 (RB_Pos:25)	HIGH	64QAM	19.22	19.27	19.18	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.24	18.99	18.87	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18675	18900	19125	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	21.93	21.93	21.76	23.50
	1 (RB_Pos:38)	MIDDLE	QPSK	21.95	21.87	21.71	23.50
	1 (RB_Pos:74)	HIGH	QPSK	21.99	21.84	21.71	23.50
	36 (RB_Pos:0)	LOW	QPSK	20.98	20.91	20.81	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.04	20.92	20.79	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.05	21.00	20.85	22.50
	75 (RB_Pos:0)	LOW	QPSK	21.06	20.90	20.80	22.50
	1 (RB_Pos:0)	LOW	16QAM	20.87	21.36	21.20	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	20.94	21.33	21.25	22.50
	1 (RB_Pos:74)	HIGH	16QAM	20.94	21.29	21.35	22.50
	36 (RB_Pos:0)	LOW	16QAM	19.95	19.94	19.77	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.09	19.98	19.82	21.50
	36 (RB_Pos:39)	HIGH	16QAM	20.07	20.03	19.86	21.50
	75 (RB_Pos:0)	LOW	16QAM	20.04	19.91	19.81	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.51	20.48	20.23	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.60	20.54	20.29	21.50
	1 (RB_Pos:74)	HIGH	64QAM	20.42	20.42	20.02	21.50
	36 (RB_Pos:0)	LOW	64QAM	19.22	19.23	18.87	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.18	19.07	18.96	20.50
	36 (RB_Pos:39)	HIGH	64QAM	19.34	19.24	18.96	20.50
	75 (RB_Pos:0)	LOW	64QAM	19.32	19.13	19.06	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18700	18900	19100	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	21.93	22.02	**22.35**	23.50
	1 (RB_Pos:50)	MIDDLE	QPSK	21.89	21.92	21.69	23.50
	1 (RB_Pos:99)	HIGH	QPSK	21.89	21.88	21.69	23.50
	50 (RB_Pos:0)	LOW	QPSK	20.94	20.94	20.82	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.03	21.04	20.91	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.02	21.00	20.89	22.50
	100 (RB_Pos:0)	LOW	QPSK	21.02	21.03	20.81	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.54	21.58	21.26	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	21.58	21.53	21.15	22.50
	1 (RB_Pos:99)	HIGH	16QAM	21.46	21.37	21.14	22.50

	50 (RB_Pos:0)	LOW	16QAM	19.97	19.95	19.78	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.07	19.93	19.91	21.50
	50 (RB_Pos:50)	HIGH	16QAM	20.08	20.01	19.90	21.50
	100 (RB_Pos:0)	LOW	16QAM	20.07	19.88	19.80	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.43	20.66	20.28	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	20.68	20.40	20.19	21.50
	1 (RB_Pos:99)	HIGH	64QAM	20.53	20.42	20.05	21.50
	50 (RB_Pos:0)	LOW	64QAM	19.24	19.03	18.95	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.17	19.15	18.97	20.50
	50 (RB_Pos:50)	HIGH	64QAM	19.17	19.21	19.21	20.50
	100 (RB_Pos:0)	LOW	64QAM	19.26	18.96	19.01	20.50

FDD LTE Band 4							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19957	20175	20393	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	22.32	22.35	22.17	24.00
	1 (RB_Pos:3)	MIDDLE	QPSK	22.36	22.46	22.24	24.00
	1 (RB_Pos:5)	HIGH	QPSK	22.34	22.39	22.18	24.00
	3 (RB_Pos:0)	LOW	QPSK	22.38	22.36	22.19	24.00
	3 (RB_Pos:1)	MIDDLE	QPSK	22.44	22.46	22.26	24.00
	3 (RB_Pos:3)	HIGH	QPSK	22.35	22.39	22.22	24.00
	6 (RB_Pos:0)	LOW	QPSK	21.48	21.46	21.27	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.53	21.83	21.30	23.00
	1 (RB_Pos:3)	MIDDLE	16QAM	21.60	21.88	21.37	23.00
	1 (RB_Pos:5)	HIGH	16QAM	21.56	21.85	21.32	23.00
	3 (RB_Pos:0)	LOW	16QAM	21.44	21.65	21.46	23.00
	3 (RB_Pos:1)	MIDDLE	16QAM	21.54	21.71	21.50	23.00
	3 (RB_Pos:3)	HIGH	16QAM	21.46	21.63	21.47	23.00
	6 (RB_Pos:0)	LOW	16QAM	20.61	20.43	20.47	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.61	20.68	20.32	22.00
	1 (RB_Pos:3)	MIDDLE	64QAM	20.56	20.82	20.32	22.00
	1 (RB_Pos:5)	HIGH	64QAM	20.51	20.94	20.17	22.00
	3 (RB_Pos:0)	LOW	64QAM	20.36	20.72	20.57	22.00
	3 (RB_Pos:1)	MIDDLE	64QAM	20.39	20.76	20.51	22.00
	3 (RB_Pos:3)	HIGH	64QAM	20.41	20.69	20.43	22.00
	6 (RB_Pos:0)	LOW	64QAM	20.25	19.96	19.92	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19965	20175	20385	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.43	22.38	22.27	24.00
	1 (RB_Pos:8)	MIDDLE	QPSK	22.46	22.53	22.34	24.00
	1 (RB_Pos:14)	HIGH	QPSK	22.39	22.51	22.28	24.00
	8 (RB_Pos:0)	LOW	QPSK	21.49	21.46	21.34	23.00

	8 (RB_Pos:3)	MIDDLE	QPSK	21.57	21.63	21.39	23.00
	8 (RB_Pos:7)	HIGH	QPSK	21.53	21.58	21.36	23.00
	15 (RB_Pos:0)	LOW	QPSK	21.51	21.50	21.37	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.44	21.81	21.43	23.00
	1 (RB_Pos:8)	MIDDLE	16QAM	21.52	21.98	21.41	23.00
	1 (RB_Pos:14)	HIGH	16QAM	21.47	21.93	21.38	23.00
	8 (RB_Pos:0)	LOW	16QAM	20.62	20.59	20.40	22.00
	8 (RB_Pos:3)	MIDDLE	16QAM	20.64	20.66	20.44	22.00
	8 (RB_Pos:7)	HIGH	16QAM	20.65	20.67	20.41	22.00
	15 (RB_Pos:0)	LOW	16QAM	20.54	20.59	20.33	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.04	20.98	20.78	22.00
	1 (RB_Pos:8)	MIDDLE	64QAM	20.89	20.76	20.64	22.00
	1 (RB_Pos:14)	HIGH	64QAM	20.99	21.05	20.87	22.00
	8 (RB_Pos:0)	LOW	64QAM	20.18	20.21	19.87	21.00
	8 (RB_Pos:3)	MIDDLE	64QAM	19.98	20.07	19.83	21.00
	8 (RB_Pos:7)	HIGH	64QAM	20.11	20.04	19.91	21.00
	15 (RB_Pos:0)	LOW	64QAM	20.08	20.00	19.85	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19975	20175	20375	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.37	22.42	22.29	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	22.44	22.53	22.37	24.00
	1 (RB_Pos:24)	HIGH	QPSK	22.40	22.54	22.29	24.00
	12 (RB_Pos:0)	LOW	QPSK	21.50	21.48	21.39	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.57	21.51	21.43	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.51	21.57	21.39	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.54	21.48	21.39	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.69	21.99	21.54	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	21.74	22.11	21.56	23.00
	1 (RB_Pos:24)	HIGH	16QAM	21.70	22.12	21.55	23.00
	12 (RB_Pos:0)	LOW	16QAM	20.58	20.63	20.41	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.64	20.70	20.45	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.59	20.77	20.44	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.56	20.61	20.35	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.19	21.09	20.74	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.81	20.84	20.54	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.93	20.96	20.62	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.07	20.11	19.96	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.21	19.93	19.83	21.00
	12 (RB_Pos:13)	HIGH	64QAM	19.89	20.15	19.86	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.05	19.98	20.04	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20000	20175	20350	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.50	22.46	22.32	24.00

	1 (RB_Pos:25)	MIDDLE	QPSK	22.40	22.41	22.33	24.00
	1 (RB_Pos:49)	HIGH	QPSK	22.45	22.47	22.32	24.00
	25 (RB_Pos:0)	LOW	QPSK	21.54	21.51	21.29	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.58	21.51	21.37	23.00
	25 (RB_Pos:25)	HIGH	QPSK	21.55	21.58	21.43	23.00
	50 (RB_Pos:0)	LOW	QPSK	21.56	21.51	21.34	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.50	21.89	21.44	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.42	21.90	21.33	23.00
	1 (RB_Pos:49)	HIGH	16QAM	21.50	21.88	21.33	23.00
	25 (RB_Pos:0)	LOW	16QAM	20.56	20.56	20.41	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.62	20.60	20.45	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.61	20.66	20.48	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.54	20.53	20.38	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.25	21.05	20.90	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.87	20.78	20.72	22.00
	1 (RB_Pos:49)	HIGH	64QAM	20.92	20.93	20.70	22.00
	25 (RB_Pos:0)	LOW	64QAM	19.95	20.20	19.88	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.03	19.97	19.93	21.00
	25 (RB_Pos:25)	HIGH	64QAM	19.90	19.91	20.08	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.11	20.06	19.87	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20025	20175	20325	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.56	22.58	22.41	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	22.40	22.39	22.23	24.00
	1 (RB_Pos:74)	HIGH	QPSK	22.41	22.38	22.23	24.00
	36 (RB_Pos:0)	LOW	QPSK	21.51	21.56	21.47	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	21.58	21.52	21.49	23.00
	36 (RB_Pos:39)	HIGH	QPSK	21.49	21.53	21.45	23.00
	75 (RB_Pos:0)	LOW	QPSK	21.54	21.44	21.34	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.50	22.06	21.99	23.00
	1 (RB_Pos:38)	MIDDLE	16QAM	21.39	21.87	21.78	23.00
	1 (RB_Pos:74)	HIGH	16QAM	21.43	21.86	21.75	23.00
	36 (RB_Pos:0)	LOW	16QAM	20.55	20.62	20.47	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	20.59	20.58	20.47	22.00
	36 (RB_Pos:39)	HIGH	16QAM	20.50	20.59	20.40	22.00
	75 (RB_Pos:0)	LOW	16QAM	20.57	20.55	20.43	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.00	21.16	20.88	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.07	20.82	20.77	22.00
	1 (RB_Pos:74)	HIGH	64QAM	21.07	20.97	20.68	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.00	20.18	20.00	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.25	20.12	19.99	21.00
	36 (RB_Pos:39)	HIGH	64QAM	20.13	19.91	19.81	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.01	19.93	20.04	21.00
Bandwidth	RB Set	RB offest	Modulation	Power (dBm)			

(MHz)	Channel			20050	20175	20300	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.52	**22.59**	22.46	24.00
	1 (RB_Pos:50)	MIDDLE	QPSK	22.38	22.43	22.21	24.00
	1 (RB_Pos:99)	HIGH	QPSK	22.44	22.48	22.25	24.00
	50 (RB_Pos:0)	LOW	QPSK	21.57	21.55	21.51	23.00
	50 (RB_Pos:25)	MIDDLE	QPSK	21.59	21.59	21.55	23.00
	50 (RB_Pos:50)	HIGH	QPSK	21.50	21.49	21.38	23.00
	100 (RB_Pos:0)	LOW	QPSK	21.56	21.49	21.42	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.15	22.09	21.88	23.00
	1 (RB_Pos:50)	MIDDLE	16QAM	21.96	21.91	21.69	23.00
	1 (RB_Pos:99)	HIGH	16QAM	21.99	21.91	21.77	23.00
	50 (RB_Pos:0)	LOW	16QAM	20.56	20.62	20.49	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	20.61	20.54	20.48	22.00
	50 (RB_Pos:50)	HIGH	16QAM	20.54	20.53	20.43	22.00
	100 (RB_Pos:0)	LOW	16QAM	20.64	20.50	20.42	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.19	21.19	21.03	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	20.95	20.97	20.67	22.00
	1 (RB_Pos:99)	HIGH	64QAM	20.95	20.90	20.76	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.06	20.02	20.11	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.25	20.12	20.01	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.10	20.12	19.91	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.09	19.99	20.03	21.00

FDD LTE Band 5							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20407	20525	20643	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	23.20	22.95	22.84	24.80
	1 (RB_Pos:3)	MIDDLE	QPSK	23.17	23.04	22.89	24.80
	1 (RB_Pos:5)	HIGH	QPSK	23.02	22.97	22.82	24.80
	3 (RB_Pos:0)	LOW	QPSK	23.22	22.94	22.91	24.80
	3 (RB_Pos:1)	MIDDLE	QPSK	23.18	22.98	22.93	24.80
	3 (RB_Pos:3)	HIGH	QPSK	23.13	22.95	22.90	24.80
	6 (RB_Pos:0)	LOW	QPSK	22.25	22.04	21.99	23.80
	1 (RB_Pos:0)	LOW	16QAM	22.38	22.41	22.02	23.80
	1 (RB_Pos:3)	MIDDLE	16QAM	22.38	22.49	22.05	23.80
	1 (RB_Pos:5)	HIGH	16QAM	22.31	22.42	22.00	23.80
	3 (RB_Pos:0)	LOW	16QAM	22.20	22.23	22.16	23.80
	3 (RB_Pos:1)	MIDDLE	16QAM	22.30	22.25	22.22	23.80
	3 (RB_Pos:3)	HIGH	16QAM	22.24	22.16	22.14	23.80
	6 (RB_Pos:0)	LOW	16QAM	21.31	20.86	21.19	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.27	21.26	20.99	22.80
	1 (RB_Pos:3)	MIDDLE	64QAM	21.25	21.54	20.91	22.80

	1 (RB_Pos:5)	HIGH	64QAM	21.40	21.36	21.03	22.80
	3 (RB_Pos:0)	LOW	64QAM	21.35	21.28	21.20	22.80
	3 (RB_Pos:1)	MIDDLE	64QAM	21.40	21.40	21.33	22.80
	3 (RB_Pos:3)	HIGH	64QAM	21.35	21.27	21.13	22.80
	6 (RB_Pos:0)	LOW	64QAM	20.69	20.44	20.76	22.30
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20415	20525	20635	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	23.27	23.13	23.09	24.80
	1 (RB_Pos:8)	MIDDLE	QPSK	23.20	23.18	23.10	24.80
	1 (RB_Pos:14)	HIGH	QPSK	23.13	23.07	22.93	24.80
	8 (RB_Pos:0)	LOW	QPSK	22.29	22.20	22.13	23.80
	8 (RB_Pos:3)	MIDDLE	QPSK	22.30	22.26	22.15	23.80
	8 (RB_Pos:7)	HIGH	QPSK	22.26	22.22	22.07	23.80
	15 (RB_Pos:0)	LOW	QPSK	22.30	22.20	22.15	23.80
	1 (RB_Pos:0)	LOW	16QAM	22.33	22.56	22.26	23.80
	1 (RB_Pos:8)	MIDDLE	16QAM	22.30	22.62	22.18	23.80
	1 (RB_Pos:14)	HIGH	16QAM	22.16	22.52	22.02	23.80
	8 (RB_Pos:0)	LOW	16QAM	21.41	21.32	21.21	22.80
	8 (RB_Pos:3)	MIDDLE	16QAM	21.43	21.36	21.18	22.80
	8 (RB_Pos:7)	HIGH	16QAM	21.36	21.29	21.10	22.80
	15 (RB_Pos:0)	LOW	16QAM	21.37	21.27	21.07	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.24	21.60	21.16	22.80
	1 (RB_Pos:8)	MIDDLE	64QAM	21.16	21.59	21.32	22.80
	1 (RB_Pos:14)	HIGH	64QAM	21.13	21.42	20.97	22.80
	8 (RB_Pos:0)	LOW	64QAM	20.81	20.81	20.76	22.30
	8 (RB_Pos:3)	MIDDLE	64QAM	20.84	21.01	20.55	22.30
	8 (RB_Pos:7)	HIGH	64QAM	20.96	20.86	20.74	22.30
	15 (RB_Pos:0)	LOW	64QAM	20.78	20.69	20.72	22.30
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20425	20525	20625	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	23.34	23.24	23.13	24.80
	1 (RB_Pos:13)	MIDDLE	QPSK	23.22	23.21	23.05	24.80
	1 (RB_Pos:24)	HIGH	QPSK	23.15	23.11	22.98	24.80
	12 (RB_Pos:0)	LOW	QPSK	22.31	22.23	22.15	23.80
	12 (RB_Pos:6)	MIDDLE	QPSK	22.28	22.28	22.08	23.80
	12 (RB_Pos:13)	HIGH	QPSK	22.23	22.20	22.06	23.80
	25 (RB_Pos:0)	LOW	QPSK	22.26	22.23	22.08	23.80
	1 (RB_Pos:0)	LOW	16QAM	22.62	22.82	22.37	23.80
	1 (RB_Pos:13)	MIDDLE	16QAM	22.51	22.82	22.35	23.80
	1 (RB_Pos:24)	HIGH	16QAM	22.48	22.77	22.31	23.80
	12 (RB_Pos:0)	LOW	16QAM	21.46	21.38	21.22	22.80
	12 (RB_Pos:6)	MIDDLE	16QAM	21.39	21.45	21.19	22.80
	12 (RB_Pos:13)	HIGH	16QAM	21.38	21.38	21.17	22.80

	25 (RB_Pos:0)	LOW	16QAM	21.35	21.27	21.07	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.77	21.87	21.34	22.80
	1 (RB_Pos:13)	MIDDLE	64QAM	21.51	21.92	21.44	22.80
	1 (RB_Pos:24)	HIGH	64QAM	21.63	21.71	21.37	22.80
	12 (RB_Pos:0)	LOW	64QAM	21.06	20.73	20.76	22.30
	12 (RB_Pos:6)	MIDDLE	64QAM	20.83	20.98	20.54	22.30
	12 (RB_Pos:13)	HIGH	64QAM	20.98	21.02	20.55	22.30
	25 (RB_Pos:0)	LOW	64QAM	20.78	20.78	20.52	22.30
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20450	20525	20600	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	23.23	23.08	**23.35**	24.80
	1 (RB_Pos:25)	MIDDLE	QPSK	23.09	23.11	23.06	24.80
	1 (RB_Pos:49)	HIGH	QPSK	23.15	23.07	23.01	24.80
	25 (RB_Pos:0)	LOW	QPSK	22.25	22.27	22.11	23.80
	25 (RB_Pos:12)	MIDDLE	QPSK	22.28	22.23	22.31	23.80
	25 (RB_Pos:25)	HIGH	QPSK	22.24	22.22	22.12	23.80
	50 (RB_Pos:0)	LOW	QPSK	22.29	22.22	22.30	23.80
	1 (RB_Pos:0)	LOW	16QAM	22.24	22.63	22.20	23.80
	1 (RB_Pos:25)	MIDDLE	16QAM	22.13	22.53	22.09	23.80
	1 (RB_Pos:49)	HIGH	16QAM	22.16	22.47	22.05	23.80
	25 (RB_Pos:0)	LOW	16QAM	21.25	21.28	21.21	22.80
	25 (RB_Pos:12)	MIDDLE	16QAM	21.33	21.24	21.20	22.80
	25 (RB_Pos:25)	HIGH	16QAM	21.29	21.26	21.24	22.80
	50 (RB_Pos:0)	LOW	16QAM	21.27	21.26	21.19	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.15	21.68	21.13	22.80
	1 (RB_Pos:25)	MIDDLE	64QAM	21.12	21.41	20.99	22.80
	1 (RB_Pos:49)	HIGH	64QAM	21.25	21.59	20.97	22.80
	25 (RB_Pos:0)	LOW	64QAM	20.60	20.89	20.74	22.30
	25 (RB_Pos:12)	MIDDLE	64QAM	20.80	20.74	20.80	22.30
	25 (RB_Pos:25)	HIGH	64QAM	20.82	20.81	20.68	22.30
	50 (RB_Pos:0)	LOW	64QAM	20.76	20.65	20.64	22.30

FDD LTE Band 7							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20775	21100	21425	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.16	22.19	22.20	23.50
	1 (RB_Pos:13)	MIDDLE	QPSK	22.21	22.28	22.27	23.50
	1 (RB_Pos:24)	HIGH	QPSK	22.15	22.25	22.24	23.50
	12 (RB_Pos:0)	LOW	QPSK	21.25	21.24	21.31	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.27	21.31	21.27	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.24	21.29	21.34	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.25	21.27	21.33	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.44	21.75	21.50	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.49	21.86	21.47	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.45	21.86	21.49	22.50
	12 (RB_Pos:0)	LOW	16QAM	20.40	20.44	20.38	21.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.36	20.49	20.35	21.50
	12 (RB_Pos:13)	HIGH	16QAM	20.32	20.50	20.36	21.50
	25 (RB_Pos:0)	LOW	16QAM	20.29	20.33	20.26	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.45	20.60	20.52	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.47	20.98	20.32	21.50
	1 (RB_Pos:24)	HIGH	64QAM	20.53	20.79	20.35	21.50
	12 (RB_Pos:0)	LOW	64QAM	19.88	19.96	19.82	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	19.79	19.99	19.90	21.00
	12 (RB_Pos:13)	HIGH	64QAM	19.93	19.88	19.99	21.00
	25 (RB_Pos:0)	LOW	64QAM	19.64	19.81	19.83	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20800	21100	21400	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.20	22.15	22.23	23.50
	1 (RB_Pos:25)	MIDDLE	QPSK	22.14	22.17	22.22	23.50
	1 (RB_Pos:49)	HIGH	QPSK	22.17	22.24	22.22	23.50
	25 (RB_Pos:0)	LOW	QPSK	21.28	21.24	21.34	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.35	21.33	21.33	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.28	21.34	21.32	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.31	21.28	21.33	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.21	21.65	21.32	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.13	21.63	21.22	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.14	21.63	21.26	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.35	20.31	20.43	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.35	20.37	20.43	21.50
	25 (RB_Pos:25)	HIGH	16QAM	20.31	20.41	20.45	21.50
	50 (RB_Pos:0)	LOW	16QAM	20.26	20.33	20.35	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.12	20.66	20.38	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.01	20.57	20.32	21.50

	1 (RB_Pos:49)	HIGH	64QAM	20.04	20.67	20.29	21.50
	25 (RB_Pos:0)	LOW	64QAM	19.99	19.70	20.04	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	19.98	19.88	19.99	21.00
	25 (RB_Pos:25)	HIGH	64QAM	19.95	19.89	20.09	21.00
	50 (RB_Pos:0)	LOW	64QAM	19.91	19.91	19.82	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20825	21100	21375	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.22	22.24	22.15	23.50
	1 (RB_Pos:38)	MIDDLE	QPSK	22.17	22.18	22.16	23.50
	1 (RB_Pos:74)	HIGH	QPSK	22.23	22.25	22.22	23.50
	36 (RB_Pos:0)	LOW	QPSK	21.32	21.30	21.28	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.32	21.30	21.28	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.29	21.37	21.30	22.50
	75 (RB_Pos:0)	LOW	QPSK	21.29	21.32	21.25	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.16	21.70	21.68	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	21.31	21.69	21.74	22.50
	1 (RB_Pos:74)	HIGH	16QAM	21.23	21.64	21.81	22.50
	36 (RB_Pos:0)	LOW	16QAM	20.32	20.38	20.21	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.34	20.36	20.25	21.50
	36 (RB_Pos:39)	HIGH	16QAM	20.26	20.42	20.33	21.50
	75 (RB_Pos:0)	LOW	16QAM	20.26	20.36	20.24	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.12	20.78	20.79	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.26	20.63	20.89	21.50
	1 (RB_Pos:74)	HIGH	64QAM	20.08	20.67	20.93	21.50
	36 (RB_Pos:0)	LOW	64QAM	19.89	19.87	19.71	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	19.80	19.85	19.75	21.00
	36 (RB_Pos:39)	HIGH	64QAM	19.86	19.97	19.78	21.00
	75 (RB_Pos:0)	LOW	64QAM	19.88	19.76	19.59	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20850	21100	21350	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.23	22.24	22.10	23.50
	1 (RB_Pos:50)	MIDDLE	QPSK	22.17	22.29	22.08	23.50
	1 (RB_Pos:99)	HIGH	QPSK	22.19	22.42	22.19	23.50
	50 (RB_Pos:0)	LOW	QPSK	21.32	21.29	21.23	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.35	21.31	21.27	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.27	21.36	21.36	22.50
	100 (RB_Pos:0)	LOW	QPSK	21.32	21.26	21.25	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.83	21.80	21.60	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	21.73	21.74	21.66	22.50
	1 (RB_Pos:99)	HIGH	16QAM	21.71	21.70	21.69	22.50
	50 (RB_Pos:0)	LOW	16QAM	20.36	20.37	20.22	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.38	20.34	20.24	21.50
	50 (RB_Pos:50)	HIGH	16QAM	20.32	20.38	20.33	21.50

	100 (RB_Pos:0)	LOW	16QAM	20.36	20.32	20.26	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.77	20.80	20.51	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	20.74	20.68	20.60	21.50
	1 (RB_Pos:99)	HIGH	64QAM	20.60	20.81	20.70	21.50
	50 (RB_Pos:0)	LOW	64QAM	19.80	19.89	19.85	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	19.85	19.76	19.84	21.00
	50 (RB_Pos:50)	HIGH	64QAM	19.83	19.92	19.68	21.00
	100 (RB_Pos:0)	LOW	64QAM	19.97	19.89	19.90	21.00

FDD LTE Band 12							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23017	23095	23173	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	22.34	22.29	22.33	24.00
	1 (RB_Pos:3)	MIDDLE	QPSK	22.37	22.36	22.40	24.00
	1 (RB_Pos:5)	HIGH	QPSK	22.30	22.31	22.29	24.00
	3 (RB_Pos:0)	LOW	QPSK	22.33	22.27	22.39	24.00
	3 (RB_Pos:1)	MIDDLE	QPSK	22.40	22.39	22.43	24.00
	3 (RB_Pos:3)	HIGH	QPSK	22.30	22.35	22.34	24.00
	6 (RB_Pos:0)	LOW	QPSK	21.42	21.39	21.38	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.59	21.76	21.43	23.00
	1 (RB_Pos:3)	MIDDLE	16QAM	21.58	21.83	21.48	23.00
	1 (RB_Pos:5)	HIGH	16QAM	21.52	21.75	21.40	23.00
	3 (RB_Pos:0)	LOW	16QAM	21.47	21.59	21.59	23.00
	3 (RB_Pos:1)	MIDDLE	16QAM	21.51	21.62	21.63	23.00
	3 (RB_Pos:3)	HIGH	16QAM	21.46	21.62	21.54	23.00
	6 (RB_Pos:0)	LOW	16QAM	20.58	20.33	20.59	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.62	20.70	20.49	22.00
	1 (RB_Pos:3)	MIDDLE	64QAM	20.44	20.81	20.43	22.00
	1 (RB_Pos:5)	HIGH	64QAM	20.54	20.69	20.47	22.00
	3 (RB_Pos:0)	LOW	64QAM	20.54	20.50	20.46	22.00
	3 (RB_Pos:1)	MIDDLE	64QAM	20.49	20.58	20.49	22.00
	3 (RB_Pos:3)	HIGH	64QAM	20.48	20.51	20.49	22.00
	6 (RB_Pos:0)	LOW	64QAM	20.05	19.70	20.20	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23025	23095	23165	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.52	22.42	22.45	24.00
	1 (RB_Pos:8)	MIDDLE	QPSK	22.45	22.47	22.51	24.00
	1 (RB_Pos:14)	HIGH	QPSK	22.39	22.42	22.42	24.00
	8 (RB_Pos:0)	LOW	QPSK	21.54	21.49	21.48	23.00
	8 (RB_Pos:3)	MIDDLE	QPSK	21.53	21.53	21.52	23.00
	8 (RB_Pos:7)	HIGH	QPSK	21.51	21.48	21.46	23.00
	15 (RB_Pos:0)	LOW	QPSK	21.50	21.49	21.48	23.00

	1 (RB_Pos:0)	LOW	16QAM	21.61	21.87	21.60	23.00
	1 (RB_Pos:8)	MIDDLE	16QAM	21.53	21.95	21.55	23.00
	1 (RB_Pos:14)	HIGH	16QAM	21.40	21.82	21.48	23.00
	8 (RB_Pos:0)	LOW	16QAM	20.67	20.53	20.52	22.00
	8 (RB_Pos:3)	MIDDLE	16QAM	20.63	20.63	20.60	22.00
	8 (RB_Pos:7)	HIGH	16QAM	20.55	20.54	20.52	22.00
	15 (RB_Pos:0)	LOW	16QAM	20.53	20.53	20.42	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.37	21.07	20.42	22.00
	1 (RB_Pos:8)	MIDDLE	64QAM	20.46	21.00	20.48	22.00
	1 (RB_Pos:14)	HIGH	64QAM	20.57	20.84	20.32	22.00
	8 (RB_Pos:0)	LOW	64QAM	20.09	20.02	20.21	21.50
	8 (RB_Pos:3)	MIDDLE	64QAM	19.93	20.08	20.25	21.50
	8 (RB_Pos:7)	HIGH	64QAM	20.11	19.99	19.98	21.50
	15 (RB_Pos:0)	LOW	64QAM	19.90	20.22	20.09	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23035	23095	23155	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.44	22.48	22.39	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	22.45	22.49	22.48	24.00
	1 (RB_Pos:24)	HIGH	QPSK	22.37	22.47	22.45	24.00
	12 (RB_Pos:0)	LOW	QPSK	21.57	21.51	21.52	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.55	21.52	21.50	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.45	21.52	21.44	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.48	21.54	21.49	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.75	22.05	21.65	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	21.70	22.08	21.69	23.00
	1 (RB_Pos:24)	HIGH	16QAM	21.66	22.02	21.76	23.00
	12 (RB_Pos:0)	LOW	16QAM	20.66	20.66	20.61	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.62	20.70	20.54	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.58	20.65	20.52	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.56	20.62	20.46	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.53	20.91	20.58	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.30	20.91	20.35	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.49	20.71	20.37	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.09	20.15	20.09	21.50
	12 (RB_Pos:6)	MIDDLE	64QAM	19.94	20.09	20.04	21.50
	12 (RB_Pos:13)	HIGH	64QAM	20.17	19.94	20.20	21.50
	25 (RB_Pos:0)	LOW	64QAM	20.08	20.02	20.19	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23060	23095	23130	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.49	22.45	**22.56**	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	22.36	22.36	22.44	24.00
	1 (RB_Pos:49)	HIGH	QPSK	22.42	22.30	22.40	24.00
	25 (RB_Pos:0)	LOW	QPSK	21.51	21.56	21.57	23.00

	25 (RB_Pos:12)	MIDDLE	QPSK	21.54	21.53	21.44	23.00
	25 (RB_Pos:25)	HIGH	QPSK	21.44	21.53	21.45	23.00
	50 (RB_Pos:0)	LOW	QPSK	21.57	21.58	21.50	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.49	21.92	21.52	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.41	21.86	21.49	23.00
	1 (RB_Pos:49)	HIGH	16QAM	21.42	21.81	21.44	23.00
	25 (RB_Pos:0)	LOW	16QAM	20.58	20.59	20.64	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.56	20.64	20.61	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.53	20.55	20.59	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.51	20.60	20.56	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.41	20.77	20.42	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.28	20.88	20.45	22.00
	1 (RB_Pos:49)	HIGH	64QAM	20.34	20.73	20.41	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.12	20.13	20.03	21.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.09	20.26	20.18	21.50
	25 (RB_Pos:25)	HIGH	64QAM	19.90	20.14	20.19	21.50
	50 (RB_Pos:0)	LOW	64QAM	20.01	20.25	19.92	21.50

FDD LTE Band 17							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23755	23790	23825	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.43	22.45	22.40	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	22.46	22.57	22.46	24.00
	1 (RB_Pos:24)	HIGH	QPSK	22.47	22.49	22.49	24.00
	12 (RB_Pos:0)	LOW	QPSK	21.50	21.49	21.51	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.55	21.53	21.53	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.55	21.54	21.47	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.53	21.49	21.51	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.66	22.03	21.66	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	21.74	22.10	21.71	23.00
	1 (RB_Pos:24)	HIGH	16QAM	21.75	22.07	21.79	23.00
	12 (RB_Pos:0)	LOW	16QAM	20.55	20.60	20.57	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.63	20.65	20.59	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.62	20.71	20.55	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.57	20.60	20.41	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.49	20.93	20.44	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.35	21.04	20.46	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.46	20.98	20.50	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.04	19.93	19.96	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.12	20.19	20.26	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.01	20.01	20.19	21.00
	25 (RB_Pos:0)	LOW	64QAM	19.99	20.10	20.01	21.00
Bandwidth	RB Set	RB offest	Modulation	Power (dBm)			

(MHz)	Channel			23780	23790	23800	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.43	22.42	22.45	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	22.46	**22.48**	22.45	24.00
	1 (RB_Pos:49)	HIGH	QPSK	22.39	22.35	22.42	24.00
	25 (RB_Pos:0)	LOW	QPSK	21.49	21.51	21.50	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.56	21.52	21.48	23.00
	25 (RB_Pos:25)	HIGH	QPSK	21.51	21.59	21.57	23.00
	50 (RB_Pos:0)	LOW	QPSK	21.48	21.48	21.48	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.50	21.88	21.51	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.44	21.90	21.49	23.00
	1 (RB_Pos:49)	HIGH	16QAM	21.38	21.85	21.46	23.00
	25 (RB_Pos:0)	LOW	16QAM	20.51	20.53	20.59	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.63	20.57	20.63	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.57	20.60	20.64	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.47	20.55	20.51	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.61	20.75	20.37	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.56	20.97	20.55	22.00
	1 (RB_Pos:49)	HIGH	64QAM	20.50	20.73	20.59	22.00
	25 (RB_Pos:0)	LOW	64QAM	19.99	20.08	20.24	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.26	20.17	20.15	21.00
	25 (RB_Pos:25)	HIGH	64QAM	19.96	20.12	20.15	21.00
	50 (RB_Pos:0)	LOW	64QAM	19.92	19.92	19.98	21.00

FDD LTE Band 26							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26697	26865	27033	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	23.20	23.15	23.05	24.80
	1 (RB_Pos:3)	MIDDLE	QPSK	23.31	23.25	23.09	24.80
	1 (RB_Pos:5)	HIGH	QPSK	23.24	23.17	22.99	24.80
	3 (RB_Pos:0)	LOW	QPSK	23.23	23.17	23.06	24.80
	3 (RB_Pos:1)	MIDDLE	QPSK	23.31	23.22	23.12	24.80
	3 (RB_Pos:3)	HIGH	QPSK	23.25	23.22	23.09	24.80
	6 (RB_Pos:0)	LOW	QPSK	22.31	22.26	22.15	23.80
	1 (RB_Pos:0)	LOW	16QAM	22.39	22.63	22.17	23.80
	1 (RB_Pos:3)	MIDDLE	16QAM	22.51	22.69	22.23	23.80
	1 (RB_Pos:5)	HIGH	16QAM	22.42	22.62	22.16	23.80
	3 (RB_Pos:0)	LOW	16QAM	22.32	22.46	22.30	23.80
	3 (RB_Pos:1)	MIDDLE	16QAM	22.44	22.54	22.33	23.80
	3 (RB_Pos:3)	HIGH	16QAM	22.39	22.44	22.27	23.80
	6 (RB_Pos:0)	LOW	16QAM	21.46	21.20	21.31	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.51	21.65	21.23	22.80
	1 (RB_Pos:3)	MIDDLE	64QAM	21.56	21.54	21.16	22.80

	1 (RB_Pos:5)	HIGH	64QAM	21.53	21.66	21.01	22.80
	3 (RB_Pos:0)	LOW	64QAM	21.46	21.40	21.17	22.80
	3 (RB_Pos:1)	MIDDLE	64QAM	21.53	21.52	21.20	22.80
	3 (RB_Pos:3)	HIGH	64QAM	21.40	21.32	21.20	22.80
	6 (RB_Pos:0)	LOW	64QAM	21.02	20.71	20.90	21.80
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26705	26865	27025	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	23.30	23.29	23.21	24.80
	1 (RB_Pos:8)	MIDDLE	QPSK	23.39	23.35	23.19	24.80
	1 (RB_Pos:14)	HIGH	QPSK	23.37	23.28	23.10	24.80
	8 (RB_Pos:0)	LOW	QPSK	22.36	22.32	22.23	23.80
	8 (RB_Pos:3)	MIDDLE	QPSK	22.43	22.38	22.24	23.80
	8 (RB_Pos:7)	HIGH	QPSK	22.36	22.34	22.18	23.80
	15 (RB_Pos:0)	LOW	QPSK	22.43	22.32	22.22	23.80
	1 (RB_Pos:0)	LOW	16QAM	22.35	22.71	22.30	23.80
	1 (RB_Pos:8)	MIDDLE	16QAM	22.47	22.78	22.28	23.80
	1 (RB_Pos:14)	HIGH	16QAM	22.37	22.69	22.18	23.80
	8 (RB_Pos:0)	LOW	16QAM	21.51	21.41	21.28	22.80
	8 (RB_Pos:3)	MIDDLE	16QAM	21.53	21.47	21.31	22.80
	8 (RB_Pos:7)	HIGH	16QAM	21.51	21.43	21.24	22.80
	15 (RB_Pos:0)	LOW	16QAM	21.43	21.39	21.19	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.22	21.61	21.65	22.80
	1 (RB_Pos:8)	MIDDLE	64QAM	21.12	21.66	21.86	22.80
	1 (RB_Pos:14)	HIGH	64QAM	20.99	21.49	21.57	22.80
	8 (RB_Pos:0)	LOW	64QAM	20.75	20.77	20.63	21.80
	8 (RB_Pos:3)	MIDDLE	64QAM	20.75	20.82	20.78	21.80
	8 (RB_Pos:7)	HIGH	64QAM	20.97	20.78	20.76	21.80
	15 (RB_Pos:0)	LOW	64QAM	20.84	20.96	20.72	21.80
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26715	26865	27015	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	23.30	23.28	23.21	24.80
	1 (RB_Pos:13)	MIDDLE	QPSK	23.36	23.37	23.22	24.80
	1 (RB_Pos:24)	HIGH	QPSK	23.32	23.34	23.18	24.80
	12 (RB_Pos:0)	LOW	QPSK	22.42	22.34	22.30	23.80
	12 (RB_Pos:6)	MIDDLE	QPSK	22.43	22.35	22.30	23.80
	12 (RB_Pos:13)	HIGH	QPSK	22.41	22.33	22.22	23.80
	25 (RB_Pos:0)	LOW	QPSK	22.38	22.35	22.23	23.80
	1 (RB_Pos:0)	LOW	16QAM	22.59	22.92	22.49	23.80
	1 (RB_Pos:13)	MIDDLE	16QAM	22.64	22.96	22.43	23.80
	1 (RB_Pos:24)	HIGH	16QAM	22.61	22.91	22.42	23.80
	12 (RB_Pos:0)	LOW	16QAM	21.47	21.54	21.41	22.80
	12 (RB_Pos:6)	MIDDLE	16QAM	21.52	21.52	21.34	22.80
	12 (RB_Pos:13)	HIGH	16QAM	21.45	21.51	21.26	22.80

	25 (RB_Pos:0)	LOW	16QAM	21.44	21.43	21.24	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.14	21.81	21.78	22.80
	1 (RB_Pos:13)	MIDDLE	64QAM	21.16	21.57	21.76	22.80
	1 (RB_Pos:24)	HIGH	64QAM	21.21	21.57	21.60	22.80
	12 (RB_Pos:0)	LOW	64QAM	20.86	20.75	20.62	21.80
	12 (RB_Pos:6)	MIDDLE	64QAM	20.72	20.83	20.60	21.80
	12 (RB_Pos:13)	HIGH	64QAM	20.72	20.92	20.79	21.80
	25 (RB_Pos:0)	LOW	64QAM	20.95	20.85	20.70	21.80
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26740	26865	26990	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	23.31	23.30	23.25	24.80
	1 (RB_Pos:25)	MIDDLE	QPSK	23.28	23.28	23.23	24.80
	1 (RB_Pos:49)	HIGH	QPSK	23.21	23.22	23.14	24.80
	25 (RB_Pos:0)	LOW	QPSK	22.40	22.34	22.27	23.80
	25 (RB_Pos:12)	MIDDLE	QPSK	22.42	22.32	22.19	23.80
	25 (RB_Pos:25)	HIGH	QPSK	22.38	22.34	22.15	23.80
	50 (RB_Pos:0)	LOW	QPSK	22.40	22.31	22.25	23.80
	1 (RB_Pos:0)	LOW	16QAM	22.32	22.83	22.25	23.80
	1 (RB_Pos:25)	MIDDLE	16QAM	22.27	22.66	22.23	23.80
	1 (RB_Pos:49)	HIGH	16QAM	22.28	22.63	22.18	23.80
	25 (RB_Pos:0)	LOW	16QAM	21.42	21.44	21.39	22.80
	25 (RB_Pos:12)	MIDDLE	16QAM	21.49	21.43	21.31	22.80
	25 (RB_Pos:25)	HIGH	16QAM	21.39	21.35	21.31	22.80
	50 (RB_Pos:0)	LOW	16QAM	21.40	21.37	21.24	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.35	21.81	21.59	22.80
	1 (RB_Pos:25)	MIDDLE	64QAM	21.26	21.79	21.63	22.80
	1 (RB_Pos:49)	HIGH	64QAM	21.19	21.49	21.80	22.80
	25 (RB_Pos:0)	LOW	64QAM	21.01	20.77	20.86	21.80
	25 (RB_Pos:12)	MIDDLE	64QAM	20.85	20.68	20.83	21.80
	25 (RB_Pos:25)	HIGH	64QAM	20.94	20.89	20.75	21.80
	50 (RB_Pos:0)	LOW	64QAM	20.95	20.98	20.72	21.80
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26765	26865	26965	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	23.29	23.27	**23.31**	24.80
	1 (RB_Pos:38)	MIDDLE	QPSK	23.25	23.15	23.09	24.80
	1 (RB_Pos:74)	HIGH	QPSK	23.20	23.14	22.95	24.80
	36 (RB_Pos:0)	LOW	QPSK	22.36	22.31	22.37	23.80
	36 (RB_Pos:20)	MIDDLE	QPSK	22.31	22.28	22.20	23.80
	36 (RB_Pos:39)	HIGH	QPSK	22.33	22.30	22.22	23.80
	75 (RB_Pos:0)	LOW	QPSK	22.31	22.27	22.25	23.80
	1 (RB_Pos:0)	LOW	16QAM	22.24	22.74	22.73	23.80
	1 (RB_Pos:38)	MIDDLE	16QAM	22.26	22.66	22.75	23.80
	1 (RB_Pos:74)	HIGH	16QAM	22.11	22.59	22.67	23.80

	36 (RB_Pos:0)	LOW	16QAM	21.39	21.37	21.23	22.80
	36 (RB_Pos:20)	MIDDLE	16QAM	21.30	21.33	21.19	22.80
	36 (RB_Pos:39)	HIGH	16QAM	21.35	21.33	21.19	22.80
	75 (RB_Pos:0)	LOW	16QAM	21.32	21.33	21.25	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.24	21.83	21.69	22.80
	1 (RB_Pos:38)	MIDDLE	64QAM	21.37	21.67	21.84	22.80
	1 (RB_Pos:74)	HIGH	64QAM	20.96	21.61	21.54	22.80
	36 (RB_Pos:0)	LOW	64QAM	21.02	20.81	20.83	21.80
	36 (RB_Pos:20)	MIDDLE	64QAM	20.79	20.68	20.80	21.80
	36 (RB_Pos:39)	HIGH	64QAM	20.99	20.82	20.63	21.80
	75 (RB_Pos:0)	LOW	64QAM	20.92	20.82	20.85	21.80

TDD LTE Band 38							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			37775	38000	38225	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.70	22.84	22.95	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	22.78	22.87	22.98	24.00
	1 (RB_Pos:24)	HIGH	QPSK	22.75	22.90	22.94	24.00
	12 (RB_Pos:0)	LOW	QPSK	21.84	21.92	21.95	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.85	21.91	21.99	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.79	21.87	21.96	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.78	21.88	21.92	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.05	22.12	22.36	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	22.06	22.26	22.37	23.00
	1 (RB_Pos:24)	HIGH	16QAM	22.03	22.17	22.36	23.00
	12 (RB_Pos:0)	LOW	16QAM	20.82	20.89	21.06	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.88	20.98	21.06	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.85	20.93	21.04	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.83	20.87	20.94	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.17	20.85	21.23	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	21.06	20.89	21.06	22.00
	1 (RB_Pos:24)	HIGH	64QAM	21.08	21.04	21.22	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.21	20.48	20.35	21.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.29	20.35	20.51	21.50
	12 (RB_Pos:13)	HIGH	64QAM	20.41	20.37	20.49	21.50
	25 (RB_Pos:0)	LOW	64QAM	20.36	20.33	20.53	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			37800	38000	38200	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.73	22.80	22.97	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	22.73	22.81	22.91	24.00
	1 (RB_Pos:49)	HIGH	QPSK	22.72	22.79	22.90	24.00
	25 (RB_Pos:0)	LOW	QPSK	21.85	21.84	21.92	23.00

	25 (RB_Pos:12)	MIDDLE	QPSK	21.83	21.87	21.97	23.00
	25 (RB_Pos:25)	HIGH	QPSK	21.85	21.90	21.95	23.00
	50 (RB_Pos:0)	LOW	QPSK	21.83	21.88	21.89	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.11	22.31	22.33	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	22.01	22.37	22.20	23.00
	1 (RB_Pos:49)	HIGH	16QAM	22.10	22.30	22.32	23.00
	25 (RB_Pos:0)	LOW	16QAM	20.89	20.90	20.96	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.84	20.89	21.06	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.85	20.95	21.01	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.84	20.87	20.93	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.03	20.91	21.17	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.85	21.10	21.11	22.00
	1 (RB_Pos:49)	HIGH	64QAM	21.04	20.93	21.06	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.40	20.61	20.59	21.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.27	20.33	20.53	21.50
	25 (RB_Pos:25)	HIGH	64QAM	20.37	20.34	20.49	21.50
	50 (RB_Pos:0)	LOW	64QAM	20.26	20.29	20.57	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			37825	38000	38175	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.60	22.76	22.84	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	22.60	22.77	22.83	24.00
	1 (RB_Pos:74)	HIGH	QPSK	22.58	22.68	22.78	24.00
	36 (RB_Pos:0)	LOW	QPSK	21.82	21.89	21.93	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	21.84	21.86	21.85	23.00
	36 (RB_Pos:39)	HIGH	QPSK	21.80	21.91	21.90	23.00
	75 (RB_Pos:0)	LOW	QPSK	21.81	21.84	21.82	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.92	22.26	22.17	23.00
	1 (RB_Pos:38)	MIDDLE	16QAM	21.94	22.25	22.15	23.00
	1 (RB_Pos:74)	HIGH	16QAM	21.96	22.18	22.09	23.00
	36 (RB_Pos:0)	LOW	16QAM	20.85	20.88	20.95	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	20.85	20.82	20.95	22.00
	36 (RB_Pos:39)	HIGH	16QAM	20.79	20.86	20.93	22.00
	75 (RB_Pos:0)	LOW	16QAM	20.81	20.86	20.88	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.91	21.05	21.25	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.08	20.85	21.32	22.00
	1 (RB_Pos:74)	HIGH	64QAM	21.11	20.79	21.24	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.46	20.58	20.51	21.50
	36 (RB_Pos:20)	MIDDLE	64QAM	20.30	20.27	20.63	21.50
	36 (RB_Pos:39)	HIGH	64QAM	20.19	20.42	20.61	21.50
	75 (RB_Pos:0)	LOW	64QAM	20.31	20.37	20.38	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			37850	38000	38150	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.96	22.79	22.94	24.00

	1 (RB_Pos:50)	MIDDLE	QPSK	**22.97**	22.75	22.83	24.00
	1 (RB_Pos:99)	HIGH	QPSK	22.95	22.69	22.75	24.00
	50 (RB_Pos:0)	LOW	QPSK	21.85	21.89	21.91	23.00
	50 (RB_Pos:25)	MIDDLE	QPSK	21.96	21.84	21.96	23.00
	50 (RB_Pos:50)	HIGH	QPSK	21.84	21.87	21.93	23.00
	100 (RB_Pos:0)	LOW	QPSK	21.84	21.84	21.94	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.05	22.00	22.29	23.00
	1 (RB_Pos:50)	MIDDLE	16QAM	22.00	21.99	22.20	23.00
	1 (RB_Pos:99)	HIGH	16QAM	21.97	21.94	22.17	23.00
	50 (RB_Pos:0)	LOW	16QAM	20.85	20.97	20.98	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	20.84	20.89	21.03	22.00
	50 (RB_Pos:50)	HIGH	16QAM	20.83	20.93	21.01	22.00
	100 (RB_Pos:0)	LOW	16QAM	20.84	20.84	20.95	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.11	21.02	21.34	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	21.12	21.07	21.29	22.00
	1 (RB_Pos:99)	HIGH	64QAM	20.91	21.05	21.12	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.42	20.57	20.59	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.25	20.24	20.54	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.47	20.29	20.50	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.40	20.32	20.47	21.00

TDD LTE Band 41							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			40165	40765	41215	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	23.09	23.44	23.56	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	23.36	23.25	23.21	24.00
	1 (RB_Pos:24)	HIGH	QPSK	23.26	23.21	23.36	24.00
	12 (RB_Pos:0)	LOW	QPSK	22.36	22.41	22.44	24.00
	12 (RB_Pos:6)	MIDDLE	QPSK	22.38	22.61	22.46	23.00
	12 (RB_Pos:13)	HIGH	QPSK	22.24	22.55	22.31	23.00
	25 (RB_Pos:0)	LOW	QPSK	22.26	22.43	22.61	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.63	22.53	22.88	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	22.61	22.32	22.70	23.00
	1 (RB_Pos:24)	HIGH	16QAM	22.65	22.42	22.58	23.00
	12 (RB_Pos:0)	LOW	16QAM	21.18	21.33	21.41	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	21.45	21.45	21.46	22.00
	12 (RB_Pos:13)	HIGH	16QAM	21.50	21.28	21.49	22.00
	25 (RB_Pos:0)	LOW	16QAM	21.53	21.47	21.55	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.50	21.45	21.87	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	21.39	21.38	21.80	22.00
	1 (RB_Pos:24)	HIGH	64QAM	21.58	21.47	21.98	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.93	21.08	20.86	21.50
	12 (RB_Pos:6)	MIDDLE	64QAM	21.03	21.00	20.86	21.50

	12 (RB_Pos:13)	HIGH	64QAM	20.83	21.07	21.00	21.50
	25 (RB_Pos:0)	LOW	64QAM	21.18	21.01	20.69	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			40190	40765	41190	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	23.25	23.55	23.43	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	23.36	23.29	23.32	24.00
	1 (RB_Pos:49)	HIGH	QPSK	23.17	23.26	23.44	24.00
	25 (RB_Pos:0)	LOW	QPSK	22.45	22.56	22.42	24.00
	25 (RB_Pos:12)	MIDDLE	QPSK	22.44	22.65	22.55	23.00
	25 (RB_Pos:25)	HIGH	QPSK	22.33	22.38	22.39	23.00
	50 (RB_Pos:0)	LOW	QPSK	22.30	22.32	22.46	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.59	22.50	22.72	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	22.65	22.36	22.86	23.00
	1 (RB_Pos:49)	HIGH	16QAM	22.49	22.49	22.60	23.00
	25 (RB_Pos:0)	LOW	16QAM	21.18	21.31	21.38	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	21.31	21.38	21.39	22.00
	25 (RB_Pos:25)	HIGH	16QAM	21.53	21.39	21.33	22.00
	50 (RB_Pos:0)	LOW	16QAM	21.44	21.64	21.40	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.58	21.46	21.90	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	21.50	21.47	21.77	22.00
	1 (RB_Pos:49)	HIGH	64QAM	21.57	21.52	21.98	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.91	21.00	20.86	21.50
	25 (RB_Pos:12)	MIDDLE	64QAM	21.09	21.07	20.74	21.50
	25 (RB_Pos:25)	HIGH	64QAM	20.80	20.98	20.98	21.50
	50 (RB_Pos:0)	LOW	64QAM	21.22	21.03	20.87	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			40215	40765	41165	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	23.11	23.63	23.46	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	23.17	23.20	23.31	24.00
	1 (RB_Pos:74)	HIGH	QPSK	23.32	23.30	23.42	24.00
	36 (RB_Pos:0)	LOW	QPSK	22.49	22.52	22.44	24.00
	36 (RB_Pos:20)	MIDDLE	QPSK	22.39	22.65	22.47	23.00
	36 (RB_Pos:39)	HIGH	QPSK	22.32	22.46	22.32	23.00
	75 (RB_Pos:0)	LOW	QPSK	22.44	22.51	22.59	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.72	22.46	22.90	23.00
	1 (RB_Pos:38)	MIDDLE	16QAM	22.71	22.32	22.84	23.00
	1 (RB_Pos:74)	HIGH	16QAM	22.57	22.43	22.73	23.00
	36 (RB_Pos:0)	LOW	16QAM	21.18	21.28	21.38	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	21.42	21.48	21.43	22.00
	36 (RB_Pos:39)	HIGH	16QAM	21.40	21.32	21.41	22.00
	75 (RB_Pos:0)	LOW	16QAM	21.51	21.62	21.52	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.55	21.35	21.87	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.42	21.44	21.80	22.00

	1 (RB_Pos:74)	HIGH	64QAM	21.58	21.47	21.81	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.90	21.01	20.88	21.50
	36 (RB_Pos:20)	MIDDLE	64QAM	20.93	20.94	20.76	21.50
	36 (RB_Pos:39)	HIGH	64QAM	20.77	21.12	21.15	21.50
	75 (RB_Pos:0)	LOW	64QAM	21.19	21.11	20.71	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			40240	40765	41140	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	23.17	**23.53**	23.46	24.00
	1 (RB_Pos:50)	MIDDLE	QPSK	23.27	23.21	23.31	24.00
	1 (RB_Pos:99)	HIGH	QPSK	23.25	23.30	23.38	24.00
	50 (RB_Pos:0)	LOW	QPSK	22.41	22.47	22.38	24.00
	50 (RB_Pos:25)	MIDDLE	QPSK	22.45	22.57	22.52	23.00
	50 (RB_Pos:50)	HIGH	QPSK	22.32	22.48	22.32	23.00
	100 (RB_Pos:0)	LOW	QPSK	22.34	22.42	22.53	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.67	22.50	22.82	23.00
	1 (RB_Pos:50)	MIDDLE	16QAM	22.65	22.33	22.77	23.00
	1 (RB_Pos:99)	HIGH	16QAM	22.57	22.41	22.68	23.00
	50 (RB_Pos:0)	LOW	16QAM	21.28	21.37	21.46	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	21.41	21.48	21.45	22.00
	50 (RB_Pos:50)	HIGH	16QAM	21.48	21.37	21.41	22.00
	100 (RB_Pos:0)	LOW	16QAM	21.46	21.54	21.47	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.50	21.45	21.81	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	21.49	21.39	21.82	22.00
	1 (RB_Pos:99)	HIGH	64QAM	21.49	21.43	21.91	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.94	21.05	20.93	21.50
	50 (RB_Pos:25)	MIDDLE	64QAM	21.03	20.98	20.81	21.50
	50 (RB_Pos:50)	HIGH	64QAM	20.83	21.03	21.06	21.50
	100 (RB_Pos:0)	LOW	64QAM	21.14	21.03	20.77	21.50

8.4 Intra-Band Uplink CA Normal Power

Note:

1. This devices supports intra-band uplink CA of 7C
2. For intra-band uplink carrier aggregation power verification and measurement is selected highest PCC and SCC bandwidth combination to do and was according to 3GPP 36.52101 sectino6.2.2A.1 and section 6.2.2A.2 test procedure.
3. For intra-band uplink CA output power was measured high / middle / low channel combination, and for SAR verification is selected highest output power combination with each exposure condition in each frequency band using the highest SAR configuration test in standalone LTE mode.

LTE Uplink 2CA_Band 7										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	99	1	0	2	21.85	23.50
21100	21298	20	QPSK	1	99	1	0	2	21.86	23.50
21350	21152	20	QPSK	1	0	1	99	2	21.78	23.50

8.5 LTE Downlink Carrier Aggregation Setup Configurations

LTE Carrier Aggregation (CA) was defined in 3GPP release 10 and higher. The LTE device in CA mode has one Primary Component Carrier (PCC) and one or more Secondary Component Carriers (SCC). PCC acts as the anchor carrier and can optionally cross-schedule data transmission on SCC. The RRC connection is only handled by one cell, the PCC for downlink and uplink communications. After making a data connection to the PCC, the LTE device adds the SCC on the downlink only. All uplink communications and acknowledgements remain identical to release 8 specifications on the PCC. The combinations of downlink carrier aggregation supported by this device are listed in below.

8.5.1 Downlink Intra-Band Bandwidth Combination sets for Contiguous CA

Downlink CA configuration	Component carriers in order of increasing carrier frequency		Maximum aggregated bandwidth [MHz]	Bandwidth combination set
	Channel bandwidths for carrier-1 [MHz]	Channel bandwidths for carrier-2 [MHz]		
CA_7C	15	15	40	0
	20	20		
	10	20	40	1
	15	15,20		
	20	10, 15, 20		
	15	10,15	40	2
	20	15,20		
	20	20		

8.6 Power Confirmation for SAR test Exclusion for LTE Downlink CA

According to KDB 941225 D05A, the uplink maximum output power below was measured with downlink CA active on the channel with highest measured maximum output power when downlink CA is inactive. The downlink SCC channel was paired with the uplink channel as normal operation. For intra-band contiguous CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing per section 5.4.1A of 3GPP TS36.521. For intra-band non-contiguous CA, the downlink channel spacing between the component carriers was set to maximum separation from PCC and remain fully within the downlink transmission band. For Inter-band CA, the SCC downlink channel was set to near the middle of its transmission band.

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
7C	7	20M	21100	2535	1	99	3100	2655	7	20M	3298	2674.8	22.42	24.29

Summary for SAR Test Exclusion for LTE Downlink CA

Per power confirmation results in above, the uplink maximum output power with downlink CA active remains within the specified tune-up tolerance and not more than 0.25 dB higher than the maximum output power with downlink CA inactive. According to KDB 941225 D05A, the SAR test exclusion applies to LTE downlink CA operation.

8.7 WIFI

8.7.1 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.45	20.00	No
		6	2437	**18.87**	20.00	Yes
		11	2462	18.32	20.00	No
	802.11g	1	2412	17.93	19.00	No
		6	2437	18.20	19.00	No
		11	2462	17.82	19.00	No
	802.11n(HT20)	1	2412	17.42	19.00	No
		6	2437	17.61	19.00	No
		11	2462	17.33	19.00	No

8.7.2 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.10	19.00	No
		44	5220	17.21	19.00	No
		48	5240	17.09	19.00	No
	802.11n(HT20)	36	5180	17.27	19.00	No
		44	5220	17.03	19.00	No
		48	5240	17.24	19.00	No
	802.11n(HT40)	38	5190	16.27	18.00	No
		46	5230	16.51	18.00	No
	802.11ac(VHT20)	36	5180	16.85	18.50	No
		44	5220	16.53	18.50	No
		48	5240	16.92	18.50	No
	802.11ac(VHT40)	38	5190	16.25	18.00	No
		46	5230	16.44	18.00	No
	802.11ac(VHT80)	42	5210	16.47	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.21	19.00	No
		60	5300	17.35	19.00	No
		64	5320	**17.74**	19.00	Yes
	802.11n(HT20)	52	5260	17.03	19.00	No
		60	5300	17.65	19.00	No
		64	5320	17.06	19.00	No
	802.11n(HT40)	54	5270	16.33	18.00	No
		62	5310	16.41	18.00	No
	802.11ac(VHT20)	52	5260	16.56	18.50	No

		60	5300	17.19	18.50	No
		64	5320	17.56	18.50	No
	802.11ac(VHT40)	54	5270	16.84	18.00	No
		62	5310	16.45	18.00	No
	802.11ac(VHT80)	58	5290	16.30	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	**17.28**	19.00	Yes
		116	5580	17.23	19.00	No
		140	5700	17.13	19.00	No
	802.11n(HT20)	100	5500	17.15	19.00	No
		116	5580	17.25	19.00	No
		140	5700	17.20	19.00	No
	802.11n(HT40)	102	5510	16.11	18.00	No
		118	5590	16.18	18.00	No
		134	5670	16.15	18.00	No
		142	5710	16.10	18.00	No
	802.11ac(VHT20)	100	5500	16.72	18.50	No
		116	5580	16.81	18.50	No
		140	5700	18.75	18.50	No
	802.11ac(VHT40)	102	5510	16.18	18.00	No
		118	5590	16.27	18.00	No
		134	5670	16.21	18.00	No
		142	5710	16.18	18.00	No
	802.11ac(VHT80)	106	5530	16.15	18.00	No
		122	5610	16.51	18.00	No
		138	5690	16.20	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	**17.23**	19.00	Yes
		157	5785	17.15	19.00	No
		165	5825	17.10	19.00	No
	802.11n(HT20)	149	5745	16.62	18.50	No
		157	5785	16.85	18.50	No
		165	5825	16.82	18.50	No
	802.11n(HT40)	151	5755	17.08	18.50	No
		159	5795	16.92	18.50	No
	802.11ac(VHT20)	149	5745	16.21	18.00	No
		157	5785	16.30	18.00	No
		165	5825	16.32	18.00	No
	802.11ac(VHT40)	151	5755	16.68	18.00	No
		159	5795	16.19	18.00	No
	802.11ac(VHT80)	155	5775	16.04	18.00	No

8.8 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	11.75	11.91	**12.58**	11.55	11.72	12.41
Tune-Up Limit (dBm)	13.00	13.00	14.00	13.00	13.00	14.00
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	11.80	12.01	12.57	/	/	/
Tune-Up Limit (dBm)	13.00	13.00	14.00	/	/	/
Mode	BLE (1Mbps)			BLE (2Mbps)		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	6.78	6.90	8.62	6.77	7.01	8.67
Tune-Up Limit (dBm)	8.00	8.00	9.00	8.00	8.00	9.00

8.9 Power Reduction List

1. This mobile phone device supports the receiver detection mechanism. This device uses the receiver to indicate whether the user is making a call in head or body.
2. When there is a voice call (including VOIP) and the audio is actively routed through the earpiece receiver, which indicating the head exposure condition it will trigger the head exposure reduced the power.
3. When there is a voice call (including VOIP), and the audio is actively routed through the headset or speaker, which indicating the body exposure conditions will trigger the body exposure reduced the power.
4. When this device used data mode only, and the receiver will not work too, the reduced the power are same as body exposure.

WWAN Reduced Power Level Table

Reduced level	Receiver state	Distance Sensor	Antenna	Transmitting conditions	Band
LEVEL1	Receiver on	/	Up	WWAN Only	GSM850/1900; WCDMA B2/B4/B5; LTE B2/B4/B5/B7/12//26/B38/41
LEVEL2	Receiver on	/	Up	WWAN + WLAN 2.4G	GSM850/1900; WCDMA B2/B4/B5; LTE B2/B4/B5/B7/12/17/B26/B38/41
LEVEL3	Receiver on	/	Up	WWAN + WLAN 5G	GSM850/1900; WCDMA B2/B4/B5; LTE B2/B4/B5/B7/12/17/B26/B38/41
LEVEL4	Receiver off	/	Up	WWAN Only	WCDMA B2/4
LEVEL5	Receiver off	/	Up	WWAN + WLAN 2.4G	GSM1900; WCDMA B2/B4
LEVEL6	Receiver off	/	Up	WWAN + WLAN 5G	GSM1900; WCDMA B2/B4

Reduced level	Receiver state	Distance Sensor	Antenna	Transmitting conditions	Band
LEVEL1	Receiver on	/	Down	WWAN Only	GSM1900
LEVEL2	Receiver on	/	Down	WWAN + WLAN 2.4G	GSM1900
LEVEL3	Receiver on	/	Down	WWAN + WLAN 5G	GSM1900
LEVEL4	Receiver off	/	Down	WWAN Only	GSM1900; WCDMA B2/B4
LEVEL5	Receiver off	/	Down	WWAN + WLAN 2.4G	GSM1900; WCDMA B2/B4
LEVEL6	Receiver off	/	Down	WWAN + WLAN 5G	GSM1900; WCDMA B2/B4

WWAN Antenna UP Power Table

Mode	WWAN Antenna								
	Full Power	Receiver on			Receiver off				
		Head			Body-Worn			Hotspot	
		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Simultaneous transmission	
			+2.4G WLAN	+5G WLAN		+2.4G WLAN	+5G WLAN	+2.4G WLAN	+5G WLAN
	Off	LEVEL1	LEVEL2	LEVEL3	LEVEL4	LEVEL5	LEVEL6	LEVEL5	LEVEL6
GSM850	33.00	29.00	28.50	28.50	33.00	33.00	33.00	33.00	33.00
GSM1900	30.00	28.00	27.50	27.50	30.00	30.00	30.00	30.00	30.00
WCDMA B2	24.00	20.00	18.50	18.50	23.50	23.00	23.00	23.00	23.00
WCDMA B4	24.50	21.00	20.00	20.00	21.50	21.00	21.00	21.00	21.00
WCDMA B5	25.00	22.50	22.00	22.00	25.00	25.00	25.00	25.00	25.00
LTE B2	23.50	20.00	19.50	19.50	23.50	23.50	23.50	23.50	23.50
LTE B4	24.00	20.50	20.00	20.00	24.00	24.00	24.00	24.00	24.00
LTE B5	24.80	23.30	23.30	23.30	24.80	24.80	24.80	24.80	24.80
LTE B7	23.50	19.50	19.00	19.00	23.50	23.50	23.50	23.50	23.50
LTE B12	24.00	23.00	22.50	22.50	24.00	24.00	24.00	24.00	24.00
LTE B17	24.00	24.00	23.50	23.50	24.00	24.00	24.00	24.00	24.00
LTE B26	24.80	23.30	22.80	22.80	24.80	24.80	24.80	24.80	24.80
LTE B38	24.00	22.50	22.00	22.00	24.00	24.00	24.00	24.00	24.00
LTE B41	24.00	22.00	22.00	22.00	24.00	24.00	24.00	24.00	24.00

WWAN Antenna Down Power Table

Mode	WWAN Antenna								
	Full Power	Receiver on			Receiver off				
		Head			Body-Worn			Hotspot	
		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Simultaneous transmission	
			+2.4G WLAN	+5G WLAN		+2.4G WLAN	+5G WLAN	+2.4G WLAN	+5G WLAN
	Off	LEVEL1	LEVEL2	LEVEL3	LEVEL4	LEVEL5	LEVEL6	LEVEL5	LEVEL6
GSM850	33.00	32.00	32.00	32.00	33.00	33.00	33.00	33.00	33.00
GSM1900	30.00	28.00	27.50	27.50	29.00	28.50	28.50	28.50	28.50
WCDMA B2	24.00	24.00	24.00	24.00	21.50	21.00	21.00	21.00	21.00
WCDMA B4	24.50	24.50	24.50	24.50	23.00	22.50	22.50	22.50	22.50
WCDMA B5	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE B2	23.50	23.50	23.50	23.50	21.50	21.00	21.00	21.00	21.00
LTE B4	24.00	24.00	24.00	24.00	23.00	22.50	22.50	22.50	22.50
LTE B5	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE B7	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
LTE B12	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE B17	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE B26	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE B38	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE B41	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00

WLAN Antenna 7 Power Table

Mode	WLAN Antenna								
	Full Power	Head			Body				
		/			Body-Worn			Limbs	
		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission
			+2.4G WLAN	+5G WLAN		+2.4G WLAN	+5G WLAN		+2.4G WLAN / 5G WLAN
	Off	Level1	Level2	Level3	Level4	Level5	Level6	Level4	Level5&6
WLAN 2.4G 802.11b	20.00	18.00	14.00	/	20.00	20.00	/	20.00	20.00
WLAN 2.4G 802.11g	19.00	18.00	14.00	/	19.00	19.00	/	19.00	19.00
WLAN 2.4G 802.11n20	19.00	18.00	14.00	/	19.00	19.00	/	19.00	19.00
WLAN 5.2G 802.11a	19.00	15.00	11.00	/	19.00	16.50	/	19.00	16.50
WLAN 5.2G 802.11n20	19.00	15.00	/	/	19.00	/	16.50	19.00	16.50
WLAN 5.2G 802.11n40	18.00	15.00	/	/	18.00	/	16.50	18.00	16.50
WLAN 5.2G 802.11ac20	18.50	15.00	/	/	18.50	/	16.50	18.50	16.50
WLAN 5.2G 802.11ac40	18.00	15.00	/	/	18.00	/	16.50	18.00	16.50
WLAN 5.2G 802.11ac80	18.00	15.00	/	/	18.00	/	16.50	18.00	16.50
WLAN 5.3G 802.11a	19.00	15.00	/	/	19.00	/	16.50	19.00	16.50
WLAN 5.3G 802.11n20	19.00	15.00	/	/	19.00	/	16.50	19.00	16.50
WLAN 5.3G 802.11n40	18.00	15.00	/	/	18.00	/	16.50	18.00	16.50
WLAN 5.3G 802.11ac20	18.50	15.00	/	/	18.50	/	16.50	18.50	16.50
WLAN 5.3G 802.11ac40	18.00	15.00	/	/	18.00	/	16.50	18.00	16.50
WLAN 5.3G 802.11ac80	18.00	15.00	/	/	18.00	/	16.50	18.00	16.50
WLAN 5.6G 802.11a	19.00	16.00	/	/	19.00	/	15.50	19.00	15.50
WLAN 5.6G 802.11n20	19.00	16.00	/	/	19.00	/	15.50	19.00	15.50
WLAN 5.6G 802.11n40	18.00	16.00	/	/	18.00	/	15.50	18.00	15.50
WLAN 5.6G 802.11ac20	18.50	16.00	/	/	18.50	/	15.50	18.50	15.50
WLAN 5.6G 802.11ac40	18.00	16.00	/	/	18.00	/	15.50	18.00	15.50
WLAN 5.6G 802.11ac80	18.00	16.00	/	/	18.00	/	15.50	18.00	15.50
WLAN 5.8G 802.11a	19.00	15.50	/	/	19.00	/	15.50	19.00	15.50
WLAN 5.8G 802.11n20	18.50	15.50	/	/	18.50	/	15.50	18.50	15.50
WLAN 5.8G 802.11n40	18.50	15.50	/	/	18.50	/	15.50	18.50	15.50
WLAN 5.8G 802.11ac20	18.00	15.50	/	/	18.00	/	15.50	18.00	15.50
WLAN 5.8G 802.11ac40	18.00	15.50	/	/	18.00	/	15.50	18.00	15.50
WLAN 5.8G 802.11ac80	18.00	15.50	/	/	18.00	/	15.50	18.00	15.50
Bluetooth	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00

8.9.1 Power Reduced Level 1-ANT1 of GSM 850

GSM 850								
GSM850 Band	Burst Average Power(dBm)			Tune-up Limit (dBm)	Frame-Averaged power (dBm)			Tune-up Limit (dBm)
Channel	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	27.17	27.10	27.19	29.00	17.98	17.91	18.00	19.81
GPRS (GMSK, 1-Slot)	27.16	27.07	27.15	29.00	17.97	17.88	17.96	19.81
GPRS (GMSK, 2-Slots)	25.54	25.74	25.74	27.50	19.41	19.61	19.61	21.37
GPRS (GMSK, 3-Slots)	24.23	24.15	24.31	26.00	19.81	19.73	**19.89**	21.58
GPRS (GMSK, 4-Slots)	22.76	22.78	22.65	24.50	19.58	19.60	19.47	21.32
EGPRS (8PSK, 1-Slot)	23.87	22.57	22.44	24.00	14.68	13.38	13.25	14.81
EGPRS (8PSK, 2-Slots)	20.51	20.57	20.58	22.00	14.38	14.44	14.45	15.87
EGPRS (8PSK, 3-Slots)	18.39	18.28	18.24	20.00	13.97	13.86	13.82	15.58
EGPRS (8PSK, 4-Slots)	17.23	17.45	17.21	19.00	14.05	14.27	14.03	15.82
DTM (GMSK, 2-Slots)	25.17	25.40	25.36	26.50	19.04	19.27	19.23	20.37
DTM (GMSK, 3-Slots)	23.85	23.84	23.93	25.00	19.43	19.42	19.51	20.58
DTM (8PSK, 2-Slots)	23.45	23.52	23.53	24.50	17.32	17.39	17.40	18.37
DTM (8PSK, 3-Slots)	21.05	20.88	21.00	22.00	16.63	16.46	16.58	17.58

8.9.2 Power Reduced Level 2&3-ANT1 of GSM 850

GSM 850								
GSM850 Band	Burst Average Power(dBm)			Tune-up Limit (dBm)	Frame-Averaged power (dBm)			Tune-up Limit (dBm)
Channel	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	26.78	26.65	26.55	28.50	17.59	17.46	17.36	19.31
GPRS (GMSK, 1-Slot)	26.75	26.71	26.79	28.50	17.56	17.52	17.60	19.31
GPRS (GMSK, 2-Slots)	25.01	25.25	25.10	27.00	18.88	19.12	18.97	20.87
GPRS (GMSK, 3-Slots)	23.58	23.51	23.58	25.50	**19.16**	19.09	**19.16**	21.08
GPRS (GMSK, 4-Slots)	22.04	22.11	22.01	24.00	18.86	18.93	18.83	20.82
EGPRS (8PSK, 1-Slot)	21.93	22.06	21.89	23.50	12.74	12.87	12.70	14.31
EGPRS (8PSK, 2-Slots)	20.05	20.15	20.08	21.50	13.92	14.02	13.95	15.37
EGPRS (8PSK, 3-Slots)	17.98	17.87	17.91	19.50	13.56	13.45	13.49	15.08
EGPRS (8PSK, 4-Slots)	16.86	16.78	16.82	18.50	13.68	13.60	13.64	15.32
DTM (GMSK, 2-Slots)	24.70	24.88	24.64	25.50	18.57	18.75	18.51	19.37
DTM (GMSK, 3-Slots)	23.18	23.19	23.20	24.50	18.76	18.77	18.78	20.08
DTM (8PSK, 2-Slots)	22.96	23.14	22.94	24.00	16.83	17.01	16.81	17.87
DTM (8PSK, 3-Slots)	20.23	20.28	20.33	21.50	15.81	15.86	15.91	17.08

8.9.3 Power Reduced Level 1-ANT2 of GSM 1900

GSM 1900								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power(dBm)			Tune-up
Channel	512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
GSM (GMSK, 1-Slot)	26.94	27.18	27.07	28.00	17.75	17.99	17.88	18.81
GPRS (GMSK, 1-Slot)	26.98	27.20	27.08	28.00	17.79	18.01	17.89	18.81
GPRS (GMSK, 2-Slots)	25.22	25.22	25.08	26.00	19.09	19.09	18.95	19.87
GPRS (GMSK, 3-Slots)	24.00	23.88	23.77	25.00	19.58	19.46	19.35	20.58
GPRS (GMSK, 4-Slots)	22.79	22.75	22.61	24.00	**19.61**	19.57	19.43	20.82
EGPRS (8PSK, 1-Slot)	23.47	23.63	23.53	25.00	14.28	14.44	14.34	15.81
EGPRS (8PSK, 2-Slots)	21.26	21.11	21.14	23.00	15.13	14.98	15.01	16.87
EGPRS (8PSK, 3-Slots)	19.02	19.06	19.11	21.00	14.60	14.64	14.69	16.58
EGPRS (8PSK, 4-Slots)	18.12	18.14	18.04	20.00	14.94	14.96	14.86	16.82
DTM (GMSK, 2-Slots)	24.91	24.95	24.81	26.00	18.78	18.82	18.68	19.87
DTM (GMSK, 3-Slots)	23.78	23.61	23.38	24.50	19.36	19.19	18.96	20.08
DTM (8PSK, 2-Slots)	23.24	23.22	23.19	24.00	17.11	17.09	17.06	17.87
DTM (8PSK, 3-Slots)	21.02	20.87	20.90	22.00	16.60	16.45	16.48	17.58

8.9.4 Power Reduced Level 2&3-ANT2 of GSM 1900

GSM 1900								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power(dBm)			Tune-up
Channel	512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
GSM (GMSK, 1-Slot)	26.51	26.41	26.62	27.50	17.32	17.22	17.43	18.31
GPRS (GMSK, 1-Slot)	26.54	26.55	26.40	27.50	17.35	17.36	17.21	18.31
GPRS (GMSK, 2-Slots)	24.55	24.81	24.70	25.50	18.42	18.68	18.57	19.37
GPRS (GMSK, 3-Slots)	23.45	23.41	23.17	24.50	19.03	18.99	18.75	20.08
GPRS (GMSK, 4-Slots)	22.36	22.33	22.18	23.50	**19.18**	19.15	19.00	20.32
EGPRS (8PSK, 1-Slot)	23.03	23.14	22.99	24.50	13.84	13.95	13.80	15.31
EGPRS (8PSK, 2-Slots)	20.51	20.70	20.61	22.50	14.38	14.57	14.48	16.37
EGPRS (8PSK, 3-Slots)	18.91	18.75	18.62	20.50	14.49	14.33	14.20	16.08
EGPRS (8PSK, 4-Slots)	17.60	17.80	17.81	19.50	14.42	14.62	14.63	16.32
DTM (GMSK, 2-Slots)	24.21	24.41	24.36	25.50	18.08	18.28	18.23	19.37
DTM (GMSK, 3-Slots)	22.99	23.07	22.89	24.00	18.57	18.65	18.47	19.58
DTM (8PSK, 2-Slots)	22.57	22.88	22.79	23.50	16.44	16.75	16.66	17.37
DTM (8PSK, 3-Slots)	20.67	20.55	20.44	21.50	16.25	16.13	16.02	17.08

8.9.5 Power Reduced Level 1&4-ANT0 of GSM 1900

GSM 1900								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power(dBm)			Tune-up
Channel	512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
GSM (GMSK, 1-Slot)	27.76	27.81	27.67	29.00	18.57	18.62	18.48	19.81
GPRS (GMSK, 1-Slot)	27.71	27.79	27.69	29.00	18.52	18.60	18.50	19.81
GPRS (GMSK, 2-Slots)	25.81	26.09	25.83	27.00	19.68	19.96	19.70	20.87
GPRS (GMSK, 3-Slots)	24.52	24.51	24.55	26.00	20.10	20.09	20.13	21.58
GPRS (GMSK, 4-Slots)	23.55	23.54	23.31	25.00	**20.37**	20.36	20.13	21.82
EGPRS (8PSK, 1-Slot)	24.65	24.28	24.66	26.00	15.46	15.09	15.47	16.81
EGPRS (8PSK, 2-Slots)	22.13	22.13	22.12	24.00	16.00	16.00	15.99	17.87
EGPRS (8PSK, 3-Slots)	20.26	20.08	20.14	22.00	15.84	15.66	15.72	17.58
EGPRS (8PSK, 4-Slots)	19.47	19.05	19.23	21.00	16.29	15.87	16.05	17.82
DTM (GMSK, 2-Slots)	25.53	25.65	25.35	26.50	19.40	19.52	19.22	20.37
DTM (GMSK, 3-Slots)	24.16	24.11	24.19	25.50	19.74	19.69	19.77	21.08
DTM (8PSK, 2-Slots)	23.98	24.20	24.01	25.00	17.85	18.07	17.88	18.87
DTM (8PSK, 3-Slots)	21.90	21.79	21.89	23.00	17.48	17.37	17.47	18.58

8.9.6 Power Reduced Level 2&3&5&6-ANT0 of GSM 1900

GSM 1900								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power(dBm)			Tune-up
Channel	512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
GSM (GMSK, 1-Slot)	27.39	27.43	27.28	28.50	18.20	18.24	18.09	19.31
GPRS (GMSK, 1-Slot)	27.34	27.42	27.25	28.50	18.15	18.23	18.06	19.31
GPRS (GMSK, 2-Slots)	25.37	25.36	25.14	26.50	19.24	19.23	19.01	20.37
GPRS (GMSK, 3-Slots)	23.94	23.89	23.87	25.50	19.52	19.47	19.45	21.08
GPRS (GMSK, 4-Slots)	22.72	22.72	22.57	24.50	19.54	**19.54**	19.39	21.32
EGPRS (8PSK, 1-Slot)	23.79	23.68	24.27	25.50	14.60	14.49	15.08	16.31
EGPRS (8PSK, 2-Slots)	21.83	21.71	21.55	23.50	15.70	15.58	15.42	17.37
EGPRS (8PSK, 3-Slots)	19.56	19.62	19.53	21.50	15.14	15.20	15.11	17.08
EGPRS (8PSK, 4-Slots)	18.51	18.52	18.56	20.50	15.33	15.34	15.38	17.32
DTM (GMSK, 2-Slots)	25.06	24.96	24.75	26.00	18.93	18.83	18.62	19.87
DTM (GMSK, 3-Slots)	23.76	23.80	23.58	25.00	19.34	19.38	19.16	20.58
DTM (8PSK, 2-Slots)	23.61	23.51	23.28	24.50	17.48	17.38	17.15	18.37
DTM (8PSK, 3-Slots)	21.31	21.33	21.07	22.50	16.89	16.91	16.65	18.08

8.9.7 Power Reduced Level 1-ANT1&2 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	19.76	19.82	**19.89**	20.00
HSDPA Subtest-1	18.78	18.82	18.73	19.00
HSDPA Subtest-2	18.78	18.83	18.74	19.00
HSDPA Subtest-3	18.26	18.33	18.21	18.50
HSDPA Subtest-4	18.27	18.35	18.24	18.50
DC-HSDPA Subtest-1	18.87	18.88	18.73	19.00
DC-HSDPA Subtest-2	18.78	18.82	18.79	19.00
DC-HSDPA Subtest-3	18.34	18.30	18.32	18.50
DC-HSDPA Subtest-4	18.26	18.40	18.19	18.50
HSUPA Subtest-1	18.82	18.78	18.65	19.00
HSUPA Subtest-2	15.71	15.78	15.63	16.00
HSUPA Subtest-3	16.79	16.73	16.61	17.00
HSUPA Subtest-4	15.80	15.78	15.74	16.00
HSUPA Subtest-5	18.76	18.78	18.72	19.00
HSPA+ (16QAM)	18.37	18.24	18.17	18.50

8.9.8 Power Reduced Level 2&3-ANT1&2 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	18.26	18.26	**18.29**	18.50
HSDPA Subtest-1	17.24	17.24	17.07	17.50
HSDPA Subtest-2	17.24	17.19	17.22	17.50
HSDPA Subtest-3	16.76	16.71	16.72	17.00
HSDPA Subtest-4	16.76	16.78	16.72	17.00
DC-HSDPA Subtest-1	17.18	17.24	17.12	17.50
DC-HSDPA Subtest-2	17.34	17.23	17.27	17.50
DC-HSDPA Subtest-3	16.76	16.65	16.71	17.00
DC-HSDPA Subtest-4	16.73	16.73	16.70	17.00
HSUPA Subtest-1	17.28	17.31	17.22	17.50
HSUPA Subtest-2	14.23	14.31	14.09	14.50
HSUPA Subtest-3	15.20	15.22	15.13	15.50
HSUPA Subtest-4	14.25	14.27	14.07	14.50
HSUPA Subtest-5	17.31	17.29	17.19	17.50
HSPA+ (16QAM)	16.91	16.72	16.62	17.00

8.9.9 Power Reduced Level 4-ANT1&2 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	23.27	23.29	**23.30**	23.50
HSDPA Subtest-1	22.27	22.19	22.20	22.50
HSDPA Subtest-2	22.28	22.23	22.15	22.50
HSDPA Subtest-3	21.76	21.74	21.64	22.00
HSDPA Subtest-4	21.74	21.82	21.73	22.00
DC-HSDPA Subtest-1	22.29	22.12	22.31	22.50
DC-HSDPA Subtest-2	22.29	22.26	22.21	22.50
DC-HSDPA Subtest-3	21.76	21.72	21.70	22.00
DC-HSDPA Subtest-4	21.68	21.91	21.70	22.00
HSUPA Subtest-1	22.33	22.34	22.17	22.50
HSUPA Subtest-2	19.40	19.33	19.09	19.50
HSUPA Subtest-3	20.23	20.30	20.22	20.50
HSUPA Subtest-4	19.34	19.22	19.17	19.50
HSUPA Subtest-5	22.22	22.27	22.12	22.50
HSPA+ (16QAM)	21.75	21.72	21.63	22.00

8.9.10 Power Reduced Level 5&6-ANT1&2 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	22.77	22.77	**22.82**	23.00
HSDPA Subtest-1	21.78	21.82	21.63	22.00
HSDPA Subtest-2	21.78	21.86	21.73	22.00
HSDPA Subtest-3	21.31	21.23	21.07	21.50
HSDPA Subtest-4	21.28	21.20	21.21	21.50
DC-HSDPA Subtest-1	21.87	21.89	21.60	22.00
DC-HSDPA Subtest-2	21.83	21.87	21.77	22.00
DC-HSDPA Subtest-3	21.41	21.21	21.02	21.50
DC-HSDPA Subtest-4	21.32	21.28	21.20	21.50
HSUPA Subtest-1	21.76	21.79	21.62	22.00
HSUPA Subtest-2	18.91	18.74	18.62	19.00
HSUPA Subtest-3	19.71	19.79	19.63	20.00
HSUPA Subtest-4	18.75	18.79	18.66	19.00
HSUPA Subtest-5	21.72	21.74	21.61	22.00
HSPA+ (16QAM)	21.26	21.27	21.22	21.50

8.9.11 Power Reduced Level 4-ANT0 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	21.01	21.05	**21.09**	21.50
HSDPA Subtest-1	20.02	20.02	19.93	20.50
HSDPA Subtest-2	20.04	20.13	19.84	20.50
HSDPA Subtest-3	19.51	19.65	19.36	20.00
HSDPA Subtest-4	19.53	19.67	19.34	20.00
DC-HSDPA Subtest-1	20.11	20.11	20.00	20.50
DC-HSDPA Subtest-2	20.13	20.22	19.81	20.50
DC-HSDPA Subtest-3	19.53	19.76	19.31	20.00
DC-HSDPA Subtest-4	19.55	19.69	19.40	20.00
HSUPA Subtest-1	19.99	20.13	19.82	20.50
HSUPA Subtest-2	17.01	16.99	16.84	17.50
HSUPA Subtest-3	17.96	17.93	17.88	18.50
HSUPA Subtest-4	17.04	17.10	17.01	17.50
HSUPA Subtest-5	20.01	19.98	19.84	20.50
HSPA+ (16QAM)	19.55	19.56	19.35	20.00

8.9.12 Power Reduced Level 5&6-ANT0 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	20.52	20.54	**20.58**	21.00
HSDPA Subtest-1	19.53	19.54	19.30	20.00
HSDPA Subtest-2	19.54	19.46	19.35	20.00
HSDPA Subtest-3	18.97	19.03	18.91	19.50
HSDPA Subtest-4	19.00	19.05	18.86	19.50
DC-HSDPA Subtest-1	19.54	19.54	19.28	20.00
DC-HSDPA Subtest-2	19.54	19.53	19.45	20.00
DC-HSDPA Subtest-3	19.05	19.10	18.93	19.50
DC-HSDPA Subtest-4	18.96	19.11	18.89	19.50
HSUPA Subtest-1	19.53	19.55	19.43	20.00
HSUPA Subtest-2	16.59	16.56	16.49	17.00
HSUPA Subtest-3	17.52	17.61	17.33	18.00
HSUPA Subtest-4	16.47	16.40	16.28	17.00
HSUPA Subtest-5	19.52	19.60	19.48	20.00
HSPA+ (16QAM)	18.97	19.07	19.06	19.50

8.9.13 Power Reduced Level 1-ANT1&2 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	20.80	20.73	**20.87**	21.00
HSDPA Subtest-1	19.81	19.75	19.84	20.00
HSDPA Subtest-2	19.82	19.74	19.72	20.00
HSDPA Subtest-3	19.32	19.25	19.43	19.50
HSDPA Subtest-4	19.33	19.40	19.22	19.50
DC-HSDPA Subtest-1	19.82	19.72	19.88	20.00
DC-HSDPA Subtest-2	19.76	19.75	19.78	20.00
DC-HSDPA Subtest-3	19.41	19.20	19.50	19.50
DC-HSDPA Subtest-4	19.38	19.46	19.16	19.50
HSUPA Subtest-1	19.79	19.78	19.78	20.00
HSUPA Subtest-2	16.87	16.78	16.70	17.00
HSUPA Subtest-3	17.83	17.83	17.77	18.00
HSUPA Subtest-4	16.80	16.85	16.71	17.00
HSUPA Subtest-5	19.81	19.86	19.78	20.00
HSPA+ (16QAM)	19.26	19.42	19.23	19.50

8.9.14 Power Reduced Level 2&3-ANT1&2 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	19.84	19.81	**19.86**	20.00
HSDPA Subtest-1	18.84	18.91	18.74	19.00
HSDPA Subtest-2	18.84	18.91	18.80	19.00
HSDPA Subtest-3	18.34	18.26	18.32	18.50
HSDPA Subtest-4	18.31	18.37	18.18	18.50
DC-HSDPA Subtest-1	18.87	18.91	18.80	19.00
DC-HSDPA Subtest-2	18.83	18.91	18.76	19.00
DC-HSDPA Subtest-3	18.28	18.24	18.39	18.50
DC-HSDPA Subtest-4	18.32	18.38	18.28	18.50
HSUPA Subtest-1	18.83	18.84	18.81	19.00
HSUPA Subtest-2	15.94	15.83	15.75	16.00
HSUPA Subtest-3	16.86	16.80	16.80	17.00
HSUPA Subtest-4	15.85	15.81	15.78	16.00
HSUPA Subtest-5	18.87	18.85	18.75	19.00
HSPA+ (16QAM)	18.41	18.33	18.29	18.50

8.9.15 Power Reduced Level 4-ANT1&2 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	21.14	21.13	**21.25**	21.50
HSDPA Subtest-1	19.94	19.99	19.85	20.50
HSDPA Subtest-2	19.92	20.01	19.97	20.50
HSDPA Subtest-3	19.47	19.44	19.39	20.00
HSDPA Subtest-4	19.42	19.52	19.28	20.00
DC-HSDPA Subtest-1	19.92	19.91	19.86	20.50
DC-HSDPA Subtest-2	20.03	20.09	19.96	20.50
DC-HSDPA Subtest-3	19.58	19.42	19.38	20.00
DC-HSDPA Subtest-4	19.50	19.52	19.36	20.00
HSUPA Subtest-1	19.96	19.86	19.82	20.50
HSUPA Subtest-2	16.92	16.99	16.80	17.50
HSUPA Subtest-3	17.89	17.82	17.79	18.50
HSUPA Subtest-4	16.97	16.94	16.81	17.50
HSUPA Subtest-5	20.03	20.07	20.02	20.50
HSPA+ (16QAM)	19.62	19.50	19.63	21.00

8.9.16 Power Reduced Level 5&6-ANT1&2 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	20.80	20.73	**20.87**	21.00
HSDPA Subtest-1	19.81	19.75	19.84	20.00
HSDPA Subtest-2	19.82	19.74	19.72	20.00
HSDPA Subtest-3	19.32	19.25	19.43	19.50
HSDPA Subtest-4	19.33	19.40	19.22	19.50
DC-HSDPA Subtest-1	19.82	19.72	19.88	20.00
DC-HSDPA Subtest-2	19.76	19.75	19.78	20.00
DC-HSDPA Subtest-3	19.41	19.20	19.50	19.50
DC-HSDPA Subtest-4	19.38	19.46	19.16	19.50
HSUPA Subtest-1	19.79	19.78	19.78	20.00
HSUPA Subtest-2	16.87	16.78	16.70	17.00
HSUPA Subtest-3	17.83	17.83	17.77	18.00
HSUPA Subtest-4	16.80	16.85	16.71	17.00
HSUPA Subtest-5	19.81	19.86	19.78	20.00
HSPA+ (16QAM)	19.26	19.42	19.23	19.50

8.9.17 Power Reduced Level 4-ANT0 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	22.42	22.43	**22.48**	23.00
HSDPA Subtest-1	21.46	21.57	21.38	22.00
HSDPA Subtest-2	21.44	21.48	21.39	22.00
HSDPA Subtest-3	20.96	20.94	20.97	21.50
HSDPA Subtest-4	20.95	20.95	20.93	21.50
DC-HSDPA Subtest-1	21.43	21.59	21.45	22.00
DC-HSDPA Subtest-2	21.36	21.59	21.41	22.00
DC-HSDPA Subtest-3	21.07	21.00	20.90	21.50
DC-HSDPA Subtest-4	20.88	20.93	20.88	21.50
HSUPA Subtest-1	21.41	21.33	21.27	22.00
HSUPA Subtest-2	18.46	18.47	18.34	19.00
HSUPA Subtest-3	19.46	19.46	19.42	20.00
HSUPA Subtest-4	18.44	18.36	18.47	19.00
HSUPA Subtest-5	21.43	21.41	21.46	22.00
HSPA+ (16QAM)	20.96	20.84	21.04	21.50

8.9.18 Power Reduced Level 5&6-ANT0 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	22.21	22.24	**22.26**	22.50
HSDPA Subtest-1	20.90	21.01	20.94	21.50
HSDPA Subtest-2	20.93	20.92	20.92	21.50
HSDPA Subtest-3	20.45	20.47	20.38	21.00
HSDPA Subtest-4	20.43	20.37	20.31	21.00
DC-HSDPA Subtest-1	20.93	21.06	21.01	21.50
DC-HSDPA Subtest-2	20.96	20.94	20.86	21.50
DC-HSDPA Subtest-3	20.39	20.50	20.47	21.00
DC-HSDPA Subtest-4	20.49	20.36	20.38	21.00
HSUPA Subtest-1	20.91	20.90	20.79	21.50
HSUPA Subtest-2	17.97	17.93	17.85	18.50
HSUPA Subtest-3	18.93	18.91	18.92	19.50
HSUPA Subtest-4	17.96	18.05	17.95	18.50
HSUPA Subtest-5	20.94	20.92	20.82	21.50
HSPA+ (16QAM)	20.45	20.47	20.25	21.00

8.9.19 Power Reduced Level 1-ANT1&2 of WCDMA Band 5

WCDMA	Band 5			
Channel	4132	4182	4233	Tune-up Limit (dBm)
RMC 12.2Kbps	21.68	21.67	**21.69**	22.50
HSDPA Subtest-1	20.69	20.76	20.54	21.50
HSDPA Subtest-2	20.67	20.68	20.65	21.50
HSDPA Subtest-3	20.19	20.23	20.12	21.00
HSDPA Subtest-4	20.20	20.14	20.21	21.00
DC-HSDPA Subtest-1	20.73	20.84	20.48	21.50
DC-HSDPA Subtest-2	20.71	20.65	20.70	21.50
DC-HSDPA Subtest-3	20.14	20.25	20.20	21.00
DC-HSDPA Subtest-4	20.19	20.15	20.18	21.00
HSUPA Subtest-1	20.73	20.64	20.64	21.50
HSUPA Subtest-2	18.71	18.80	18.57	19.50
HSUPA Subtest-3	19.71	19.69	19.65	20.50
HSUPA Subtest-4	18.77	18.86	18.67	19.50
HSUPA Subtest-5	20.67	20.57	20.67	21.50
HSPA+ (16QAM)	20.20	20.10	20.22	21.00

8.9.20 Power Reduced Level 2&3-ANT1&2 of WCDMA Band 5

WCDMA	Band 5			
Channel	4132	4182	4233	Tune-up Limit (dBm)
RMC 12.2Kbps	21.15	21.14	**21.17**	22.00
HSDPA Subtest-1	20.20	20.14	20.07	21.00
HSDPA Subtest-2	20.21	20.24	20.23	21.00
HSDPA Subtest-3	19.68	19.76	19.63	20.50
HSDPA Subtest-4	19.66	19.69	19.54	20.50
DC-HSDPA Subtest-1	20.14	20.18	20.07	21.00
DC-HSDPA Subtest-2	20.13	20.30	20.34	21.00
DC-HSDPA Subtest-3	19.61	19.75	19.63	20.50
DC-HSDPA Subtest-4	19.64	19.69	19.52	20.50
HSUPA Subtest-1	20.23	20.17	20.12	21.00
HSUPA Subtest-2	18.24	18.17	18.15	19.00
HSUPA Subtest-3	19.17	19.09	19.07	20.00
HSUPA Subtest-4	18.19	18.16	18.18	19.00
HSUPA Subtest-5	20.23	20.21	20.22	21.00
HSPA+ (16QAM)	19.74	19.66	19.80	20.50

8.9.21 Power Reduced Level 1-ANT2 of LTE Band 2

FDD LTE Band 2							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18607	18900	19193	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	19.08	19.13	18.74	20.00
	1 (RB_Pos:3)	MIDDLE	QPSK	18.97	19.13	18.70	20.00
	1 (RB_Pos:5)	HIGH	QPSK	18.91	19.11	18.78	20.00
	3 (RB_Pos:0)	LOW	QPSK	19.02	18.85	18.74	20.00
	3 (RB_Pos:1)	MIDDLE	QPSK	19.14	18.94	19.10	20.00
	3 (RB_Pos:3)	HIGH	QPSK	19.13	19.09	18.86	20.00
	6 (RB_Pos:0)	LOW	QPSK	19.16	19.05	18.87	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.02	19.00	18.93	20.00
	1 (RB_Pos:3)	MIDDLE	16QAM	19.07	19.09	18.83	20.00
	1 (RB_Pos:5)	HIGH	16QAM	19.08	18.97	18.71	20.00
	3 (RB_Pos:0)	LOW	16QAM	19.01	19.00	18.93	20.00
	3 (RB_Pos:1)	MIDDLE	16QAM	19.00	19.07	19.05	20.00
	3 (RB_Pos:3)	HIGH	16QAM	19.00	18.99	18.93	20.00
	6 (RB_Pos:0)	LOW	16QAM	19.08	19.08	19.01	20.00
	1 (RB_Pos:0)	LOW	64QAM	18.89	19.09	18.67	20.00
	1 (RB_Pos:3)	MIDDLE	64QAM	19.11	18.78	18.64	20.00
	1 (RB_Pos:5)	HIGH	64QAM	19.01	18.81	18.55	20.00
	3 (RB_Pos:0)	LOW	64QAM	18.74	18.48	18.43	20.00
	3 (RB_Pos:1)	MIDDLE	64QAM	18.55	18.59	18.47	20.00
	3 (RB_Pos:3)	HIGH	64QAM	18.66	18.64	18.73	20.00
	6 (RB_Pos:0)	LOW	64QAM	18.71	18.34	18.36	20.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18615	18900	19185	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	18.88	18.84	18.99	20.00
	1 (RB_Pos:8)	MIDDLE	QPSK	18.79	19.11	18.88	20.00
	1 (RB_Pos:14)	HIGH	QPSK	18.94	18.99	18.96	20.00
	8 (RB_Pos:0)	LOW	QPSK	18.90	19.08	18.74	20.00
	8 (RB_Pos:3)	MIDDLE	QPSK	19.12	18.94	19.12	20.00
	8 (RB_Pos:7)	HIGH	QPSK	19.00	19.03	19.14	20.00
	15 (RB_Pos:0)	LOW	QPSK	18.96	19.06	18.94	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.05	19.09	18.79	20.00
	1 (RB_Pos:8)	MIDDLE	16QAM	18.98	18.97	18.75	20.00
	1 (RB_Pos:14)	HIGH	16QAM	18.89	19.11	18.80	20.00
	8 (RB_Pos:0)	LOW	16QAM	19.12	19.08	18.82	20.00
	8 (RB_Pos:3)	MIDDLE	16QAM	19.15	19.02	18.94	20.00
	8 (RB_Pos:7)	HIGH	16QAM	19.02	19.02	18.90	20.00
	15 (RB_Pos:0)	LOW	16QAM	19.09	18.99	19.04	20.00
	1 (RB_Pos:0)	LOW	64QAM	18.87	19.05	18.76	20.00
	1 (RB_Pos:8)	MIDDLE	64QAM	19.05	18.92	18.74	20.00

	1 (RB_Pos:14)	HIGH	64QAM	18.94	18.93	18.44	20.00
	8 (RB_Pos:0)	LOW	64QAM	18.65	18.57	18.34	20.00
	8 (RB_Pos:3)	MIDDLE	64QAM	18.69	18.54	18.40	20.00
	8 (RB_Pos:7)	HIGH	64QAM	18.60	18.62	18.69	20.00
	15 (RB_Pos:0)	LOW	64QAM	18.62	18.38	18.43	20.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18625	18900	19175	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	18.98	19.02	18.96	20.00
	1 (RB_Pos:13)	MIDDLE	QPSK	18.94	18.97	18.89	20.00
	1 (RB_Pos:24)	HIGH	QPSK	19.06	18.93	18.96	20.00
	12 (RB_Pos:0)	LOW	QPSK	18.93	18.86	18.97	20.00
	12 (RB_Pos:6)	MIDDLE	QPSK	18.99	18.82	18.91	20.00
	12 (RB_Pos:13)	HIGH	QPSK	19.14	19.17	18.90	20.00
	25 (RB_Pos:0)	LOW	QPSK	19.13	19.09	18.95	20.00
	1 (RB_Pos:0)	LOW	16QAM	18.99	18.85	18.96	20.00
	1 (RB_Pos:13)	MIDDLE	16QAM	19.05	18.90	18.86	20.00
	1 (RB_Pos:24)	HIGH	16QAM	18.83	19.01	18.87	20.00
	12 (RB_Pos:0)	LOW	16QAM	18.88	19.02	18.90	20.00
	12 (RB_Pos:6)	MIDDLE	16QAM	18.97	19.12	18.98	20.00
	12 (RB_Pos:13)	HIGH	16QAM	18.99	19.00	18.88	20.00
	25 (RB_Pos:0)	LOW	16QAM	19.14	19.00	19.05	20.00
	1 (RB_Pos:0)	LOW	64QAM	18.98	19.18	18.75	20.00
	1 (RB_Pos:13)	MIDDLE	64QAM	19.23	18.88	18.62	20.00
	1 (RB_Pos:24)	HIGH	64QAM	18.95	18.93	18.41	20.00
	12 (RB_Pos:0)	LOW	64QAM	18.77	18.38	18.41	20.00
	12 (RB_Pos:6)	MIDDLE	64QAM	18.53	18.51	18.45	20.00
	12 (RB_Pos:13)	HIGH	64QAM	18.68	18.72	18.76	20.00
	25 (RB_Pos:0)	LOW	64QAM	18.67	18.46	18.50	20.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18650	18900	19150	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	18.99	18.93	18.99	20.00
	1 (RB_Pos:25)	MIDDLE	QPSK	18.94	18.92	18.72	20.00
	1 (RB_Pos:49)	HIGH	QPSK	19.06	18.84	18.88	20.00
	25 (RB_Pos:0)	LOW	QPSK	19.12	18.99	18.94	20.00
	25 (RB_Pos:12)	MIDDLE	QPSK	18.97	18.91	19.00	20.00
	25 (RB_Pos:25)	HIGH	QPSK	19.09	18.94	18.89	20.00
	50 (RB_Pos:0)	LOW	QPSK	19.08	19.06	19.13	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.11	18.98	18.92	20.00
	1 (RB_Pos:25)	MIDDLE	16QAM	18.96	18.91	18.73	20.00
	1 (RB_Pos:49)	HIGH	16QAM	18.85	19.07	18.80	20.00
	25 (RB_Pos:0)	LOW	16QAM	18.85	18.99	18.89	20.00
	25 (RB_Pos:12)	MIDDLE	16QAM	19.19	18.92	19.15	20.00
	25 (RB_Pos:25)	HIGH	16QAM	19.16	19.09	18.96	20.00

	50 (RB_Pos:0)	LOW	16QAM	19.24	19.05	19.03	20.00
	1 (RB_Pos:0)	LOW	64QAM	18.89	19.13	18.64	20.00
	1 (RB_Pos:25)	MIDDLE	64QAM	19.06	18.95	18.69	20.00
	1 (RB_Pos:49)	HIGH	64QAM	19.04	18.91	18.59	20.00
	25 (RB_Pos:0)	LOW	64QAM	18.66	18.38	18.45	20.00
	25 (RB_Pos:12)	MIDDLE	64QAM	18.67	18.52	18.39	20.00
	25 (RB_Pos:25)	HIGH	64QAM	18.55	18.59	18.74	20.00
	50 (RB_Pos:0)	LOW	64QAM	18.69	18.42	18.40	20.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18675	18900	19125	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	19.04	19.09	18.97	20.00
	1 (RB_Pos:38)	MIDDLE	QPSK	18.95	19.03	18.87	20.00
	1 (RB_Pos:74)	HIGH	QPSK	18.89	19.10	18.70	20.00
	36 (RB_Pos:0)	LOW	QPSK	18.95	18.88	18.94	20.00
	36 (RB_Pos:20)	MIDDLE	QPSK	18.93	18.96	19.12	20.00
	36 (RB_Pos:39)	HIGH	QPSK	19.16	19.14	19.12	20.00
	75 (RB_Pos:0)	LOW	QPSK	19.04	19.04	19.11	20.00
	1 (RB_Pos:0)	LOW	16QAM	18.94	18.90	18.82	20.00
	1 (RB_Pos:38)	MIDDLE	16QAM	19.04	18.86	18.69	20.00
	1 (RB_Pos:74)	HIGH	16QAM	19.07	18.81	18.78	20.00
	36 (RB_Pos:0)	LOW	16QAM	19.02	19.09	18.99	20.00
	36 (RB_Pos:20)	MIDDLE	16QAM	18.90	19.06	19.09	20.00
	36 (RB_Pos:39)	HIGH	16QAM	18.98	19.11	19.12	20.00
	75 (RB_Pos:0)	LOW	16QAM	19.12	18.91	18.94	20.00
	1 (RB_Pos:0)	LOW	64QAM	18.81	19.12	18.73	20.00
	1 (RB_Pos:38)	MIDDLE	64QAM	19.09	18.89	18.61	20.00
	1 (RB_Pos:74)	HIGH	64QAM	18.97	18.87	18.48	20.00
	36 (RB_Pos:0)	LOW	64QAM	18.76	18.45	18.35	20.00
	36 (RB_Pos:20)	MIDDLE	64QAM	18.70	18.56	18.49	20.00
	36 (RB_Pos:39)	HIGH	64QAM	18.67	18.62	18.68	20.00
	75 (RB_Pos:0)	LOW	64QAM	18.66	18.51	18.46	20.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18700	18900	19100	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	**19.19**	19.18	19.05	20.00
	1 (RB_Pos:50)	MIDDLE	QPSK	19.13	**19.19**	19.02	20.00
	1 (RB_Pos:99)	HIGH	QPSK	19.14	19.16	19.02	20.00
	50 (RB_Pos:0)	LOW	QPSK	19.18	19.17	19.09	20.00
	50 (RB_Pos:25)	MIDDLE	QPSK	19.25	19.17	19.22	20.00
	50 (RB_Pos:50)	HIGH	QPSK	19.25	19.25	19.21	20.00
	100 (RB_Pos:0)	LOW	QPSK	19.30	19.31	19.21	20.00
	1 (RB_Pos:0)	LOW	16QAM	18.90	18.95	18.97	20.00
	1 (RB_Pos:50)	MIDDLE	16QAM	19.02	18.91	18.87	20.00
	1 (RB_Pos:99)	HIGH	16QAM	18.80	18.99	18.90	20.00

	50 (RB_Pos:0)	LOW	16QAM	18.94	19.01	18.82	20.00
	50 (RB_Pos:25)	MIDDLE	16QAM	18.91	19.10	19.14	20.00
	50 (RB_Pos:50)	HIGH	16QAM	19.04	18.90	19.16	20.00
	100 (RB_Pos:0)	LOW	16QAM	19.04	19.03	18.89	20.00
	1 (RB_Pos:0)	LOW	64QAM	18.95	19.16	18.66	20.00
	1 (RB_Pos:50)	MIDDLE	64QAM	19.11	18.93	18.72	20.00
	1 (RB_Pos:99)	HIGH	64QAM	19.03	18.91	18.55	20.00
	50 (RB_Pos:0)	LOW	64QAM	18.79	18.51	18.43	20.00
	50 (RB_Pos:25)	MIDDLE	64QAM	18.55	18.56	18.51	20.00
	50 (RB_Pos:50)	HIGH	64QAM	18.63	18.57	18.61	20.00
	100 (RB_Pos:0)	LOW	64QAM	18.74	18.44	18.56	20.00

8.9.22 Power Reduced Level 2&3-ANT2 of LTE Band 2

FDD LTE Band 2							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18607	18900	19193	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	18.58	18.57	18.43	19.50
	1 (RB_Pos:3)	MIDDLE	QPSK	18.51	18.39	18.28	19.50
	1 (RB_Pos:5)	HIGH	QPSK	18.49	18.43	18.36	19.50
	3 (RB_Pos:0)	LOW	QPSK	18.48	18.41	18.41	19.50
	3 (RB_Pos:1)	MIDDLE	QPSK	18.40	18.52	18.58	19.50
	3 (RB_Pos:3)	HIGH	QPSK	18.60	18.65	18.62	19.50
	6 (RB_Pos:0)	LOW	QPSK	18.65	18.38	18.55	19.50
	1 (RB_Pos:0)	LOW	16QAM	18.54	18.53	18.48	19.50
	1 (RB_Pos:3)	MIDDLE	16QAM	18.25	18.45	18.35	19.50
	1 (RB_Pos:5)	HIGH	16QAM	18.50	18.43	18.32	19.50
	3 (RB_Pos:0)	LOW	16QAM	18.37	18.44	18.31	19.50
	3 (RB_Pos:1)	MIDDLE	16QAM	18.52	18.35	18.53	19.50
	3 (RB_Pos:3)	HIGH	16QAM	18.44	18.67	18.46	19.50
	6 (RB_Pos:0)	LOW	16QAM	18.38	18.48	18.47	19.50
	1 (RB_Pos:0)	LOW	64QAM	18.35	18.56	18.19	19.50
	1 (RB_Pos:3)	MIDDLE	64QAM	18.61	18.34	18.21	19.50
	1 (RB_Pos:5)	HIGH	64QAM	18.51	18.42	17.91	19.50
	3 (RB_Pos:0)	LOW	64QAM	18.17	17.93	17.83	19.50
	3 (RB_Pos:1)	MIDDLE	64QAM	18.08	18.19	17.91	19.50
	3 (RB_Pos:3)	HIGH	64QAM	18.12	18.09	18.22	19.50
	6 (RB_Pos:0)	LOW	64QAM	18.28	17.92	17.91	19.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18615	18900	19185	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	18.45	18.41	18.52	19.50
	1 (RB_Pos:8)	MIDDLE	QPSK	18.32	18.49	18.15	19.50
	1 (RB_Pos:14)	HIGH	QPSK	18.30	18.51	18.20	19.50

	8 (RB_Pos:0)	LOW	QPSK	18.30	18.46	18.34	19.50
	8 (RB_Pos:3)	MIDDLE	QPSK	18.54	18.37	18.64	19.50
	8 (RB_Pos:7)	HIGH	QPSK	18.45	18.66	18.52	19.50
	15 (RB_Pos:0)	LOW	QPSK	18.64	18.38	18.58	19.50
	1 (RB_Pos:0)	LOW	16QAM	18.41	18.38	18.48	19.50
	1 (RB_Pos:8)	MIDDLE	16QAM	18.38	18.60	18.41	19.50
	1 (RB_Pos:14)	HIGH	16QAM	18.40	18.57	18.45	19.50
	8 (RB_Pos:0)	LOW	16QAM	18.55	18.32	18.52	19.50
	8 (RB_Pos:3)	MIDDLE	16QAM	18.60	18.53	18.52	19.50
	8 (RB_Pos:7)	HIGH	16QAM	18.56	18.69	18.39	19.50
	15 (RB_Pos:0)	LOW	16QAM	18.50	18.50	18.47	19.50
	1 (RB_Pos:0)	LOW	64QAM	18.33	18.52	18.22	19.50
	1 (RB_Pos:8)	MIDDLE	64QAM	18.66	18.39	18.16	19.50
	1 (RB_Pos:14)	HIGH	64QAM	18.40	18.40	17.97	19.50
	8 (RB_Pos:0)	LOW	64QAM	18.22	18.02	17.95	19.50
	8 (RB_Pos:3)	MIDDLE	64QAM	18.20	18.01	17.96	19.50
	8 (RB_Pos:7)	HIGH	64QAM	18.13	18.19	18.22	19.50
	15 (RB_Pos:0)	LOW	64QAM	18.11	17.81	17.89	19.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18625	18900	19175	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	18.58	18.49	18.35	19.50
	1 (RB_Pos:13)	MIDDLE	QPSK	18.46	18.62	18.22	19.50
	1 (RB_Pos:24)	HIGH	QPSK	18.42	18.41	18.21	19.50
	12 (RB_Pos:0)	LOW	QPSK	18.51	18.30	18.50	19.50
	12 (RB_Pos:6)	MIDDLE	QPSK	18.42	18.55	18.37	19.50
	12 (RB_Pos:13)	HIGH	QPSK	18.63	18.58	18.49	19.50
	25 (RB_Pos:0)	LOW	QPSK	18.51	18.61	18.60	19.50
	1 (RB_Pos:0)	LOW	16QAM	18.41	18.41	18.35	19.50
	1 (RB_Pos:13)	MIDDLE	16QAM	18.32	18.55	18.28	19.50
	1 (RB_Pos:24)	HIGH	16QAM	18.36	18.44	18.17	19.50
	12 (RB_Pos:0)	LOW	16QAM	18.47	18.38	18.44	19.50
	12 (RB_Pos:6)	MIDDLE	16QAM	18.44	18.49	18.35	19.50
	12 (RB_Pos:13)	HIGH	16QAM	18.64	18.56	18.39	19.50
	25 (RB_Pos:0)	LOW	16QAM	18.40	18.58	18.57	19.50
	1 (RB_Pos:0)	LOW	64QAM	18.28	18.68	18.29	19.50
	1 (RB_Pos:13)	MIDDLE	64QAM	18.60	18.25	18.23	19.50
	1 (RB_Pos:24)	HIGH	64QAM	18.41	18.32	17.91	19.50
	12 (RB_Pos:0)	LOW	64QAM	18.15	18.07	17.93	19.50
	12 (RB_Pos:6)	MIDDLE	64QAM	18.14	18.00	17.85	19.50
	12 (RB_Pos:13)	HIGH	64QAM	18.10	18.12	18.14	19.50
	25 (RB_Pos:0)	LOW	64QAM	18.30	18.01	18.04	19.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18650	18900	19150	Tune up limit (dBm)

10 MHz	1 (RB_Pos:0)	LOW	QPSK	18.59	18.45	18.27	19.50
	1 (RB_Pos:25)	MIDDLE	QPSK	18.38	18.55	18.32	19.50
	1 (RB_Pos:49)	HIGH	QPSK	18.33	18.40	18.24	19.50
	25 (RB_Pos:0)	LOW	QPSK	18.49	18.55	18.27	19.50
	25 (RB_Pos:12)	MIDDLE	QPSK	18.51	18.54	18.43	19.50
	25 (RB_Pos:25)	HIGH	QPSK	18.56	18.46	18.39	19.50
	50 (RB_Pos:0)	LOW	QPSK	18.49	18.60	18.49	19.50
	1 (RB_Pos:0)	LOW	16QAM	18.32	18.55	18.31	19.50
	1 (RB_Pos:25)	MIDDLE	16QAM	18.31	18.37	18.26	19.50
	1 (RB_Pos:49)	HIGH	16QAM	18.36	18.46	18.28	19.50
	25 (RB_Pos:0)	LOW	16QAM	18.56	18.48	18.28	19.50
	25 (RB_Pos:12)	MIDDLE	16QAM	18.44	18.50	18.38	19.50
	25 (RB_Pos:25)	HIGH	16QAM	18.68	18.60	18.49	19.50
	50 (RB_Pos:0)	LOW	16QAM	18.56	18.57	18.60	19.50
	1 (RB_Pos:0)	LOW	64QAM	18.47	18.61	18.19	19.50
	1 (RB_Pos:25)	MIDDLE	64QAM	18.67	18.35	18.22	19.50
	1 (RB_Pos:49)	HIGH	64QAM	18.57	18.44	18.05	19.50
	25 (RB_Pos:0)	LOW	64QAM	18.09	17.90	17.84	19.50
	25 (RB_Pos:12)	MIDDLE	64QAM	18.16	18.11	17.99	19.50
	25 (RB_Pos:25)	HIGH	64QAM	18.09	18.12	18.12	19.50
	50 (RB_Pos:0)	LOW	64QAM	18.16	17.99	17.96	19.50

Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18675	18900	19125	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	18.62	18.45	18.28	19.50
	1 (RB_Pos:38)	MIDDLE	QPSK	18.44	18.59	18.39	19.50
	1 (RB_Pos:74)	HIGH	QPSK	18.42	18.34	18.33	19.50
	36 (RB_Pos:0)	LOW	QPSK	18.40	18.50	18.42	19.50
	36 (RB_Pos:20)	MIDDLE	QPSK	18.40	18.64	18.57	19.50
	36 (RB_Pos:39)	HIGH	QPSK	18.52	18.41	18.36	19.50
	75 (RB_Pos:0)	LOW	QPSK	18.58	18.58	18.58	19.50
	1 (RB_Pos:0)	LOW	16QAM	18.61	18.59	18.30	19.50
	1 (RB_Pos:38)	MIDDLE	16QAM	18.28	18.58	18.23	19.50
	1 (RB_Pos:74)	HIGH	16QAM	18.56	18.59	18.45	19.50
	36 (RB_Pos:0)	LOW	16QAM	18.38	18.56	18.25	19.50
	36 (RB_Pos:20)	MIDDLE	16QAM	18.61	18.39	18.61	19.50
	36 (RB_Pos:39)	HIGH	16QAM	18.38	18.56	18.47	19.50
	75 (RB_Pos:0)	LOW	16QAM	18.54	18.41	18.55	19.50
	1 (RB_Pos:0)	LOW	64QAM	18.30	18.64	18.18	19.50
	1 (RB_Pos:38)	MIDDLE	64QAM	18.70	18.32	18.07	19.50
	1 (RB_Pos:74)	HIGH	64QAM	18.49	18.33	18.09	19.50
	36 (RB_Pos:0)	LOW	64QAM	18.20	17.98	17.86	19.50
	36 (RB_Pos:20)	MIDDLE	64QAM	18.14	18.07	17.97	19.50
	36 (RB_Pos:39)	HIGH	64QAM	18.07	18.22	18.09	19.50
	75 (RB_Pos:0)	LOW	64QAM	18.30	17.99	17.97	19.50

Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18700	18900	19100	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	18.67	**18.68**	18.57	19.50
	1 (RB_Pos:50)	MIDDLE	QPSK	18.59	18.67	18.49	19.50
	1 (RB_Pos:99)	HIGH	QPSK	18.63	18.65	18.52	19.50
	50 (RB_Pos:0)	LOW	QPSK	18.63	18.65	18.60	19.50
	50 (RB_Pos:25)	MIDDLE	QPSK	18.73	18.69	18.69	19.50
	50 (RB_Pos:50)	HIGH	QPSK	18.73	18.75	18.68	19.50
	100 (RB_Pos:0)	LOW	QPSK	18.73	18.70	18.69	19.50
	1 (RB_Pos:0)	LOW	16QAM	18.53	18.33	18.40	19.50
	1 (RB_Pos:50)	MIDDLE	16QAM	18.44	18.39	18.27	19.50
	1 (RB_Pos:99)	HIGH	16QAM	18.54	18.35	18.30	19.50
	50 (RB_Pos:0)	LOW	16QAM	18.31	18.58	18.42	19.50
	50 (RB_Pos:25)	MIDDLE	16QAM	18.53	18.34	18.53	19.50
	50 (RB_Pos:50)	HIGH	16QAM	18.61	18.63	18.44	19.50
	100 (RB_Pos:0)	LOW	16QAM	18.45	18.41	18.56	19.50
	1 (RB_Pos:0)	LOW	64QAM	18.29	18.61	18.23	19.50
	1 (RB_Pos:50)	MIDDLE	64QAM	18.58	18.37	18.20	19.50
	1 (RB_Pos:99)	HIGH	64QAM	18.49	18.28	18.08	19.50
	50 (RB_Pos:0)	LOW	64QAM	18.22	18.02	17.88	19.50
	50 (RB_Pos:25)	MIDDLE	64QAM	18.02	18.15	18.00	19.50
	50 (RB_Pos:50)	HIGH	64QAM	18.12	18.22	18.22	19.50
	100 (RB_Pos:0)	LOW	64QAM	18.20	17.83	17.93	19.50

8.9.23 Power Reduced Level 4-ANT0 of LTE Band 2

FDD LTE Band 2							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18607	18900	19193	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	20.20	20.19	19.86	21.50
	1 (RB_Pos:3)	MIDDLE	QPSK	20.04	19.95	19.74	21.50
	1 (RB_Pos:5)	HIGH	QPSK	20.22	19.92	19.88	21.50
	3 (RB_Pos:0)	LOW	QPSK	20.14	20.23	19.93	21.50
	3 (RB_Pos:1)	MIDDLE	QPSK	20.32	20.22	20.13	21.50
	3 (RB_Pos:3)	HIGH	QPSK	20.34	20.23	20.12	21.50
	6 (RB_Pos:0)	LOW	QPSK	20.14	20.00	20.27	21.50
	1 (RB_Pos:0)	LOW	16QAM	20.12	20.23	19.92	21.50
	1 (RB_Pos:3)	MIDDLE	16QAM	20.01	19.95	19.81	21.50
	1 (RB_Pos:5)	HIGH	16QAM	20.05	19.99	19.90	21.50
	3 (RB_Pos:0)	LOW	16QAM	19.94	19.91	19.69	21.50
	3 (RB_Pos:1)	MIDDLE	16QAM	20.04	19.87	19.87	21.50
	3 (RB_Pos:3)	HIGH	16QAM	19.94	20.04	19.89	21.50
	6 (RB_Pos:0)	LOW	16QAM	19.90	19.97	19.86	21.50

	1 (RB_Pos:0)	LOW	64QAM	20.18	19.78	19.89	21.50
	1 (RB_Pos:3)	MIDDLE	64QAM	20.23	20.14	19.76	21.50
	1 (RB_Pos:5)	HIGH	64QAM	20.28	19.88	19.70	21.50
	3 (RB_Pos:0)	LOW	64QAM	20.09	19.88	19.73	21.50
	3 (RB_Pos:1)	MIDDLE	64QAM	20.31	20.04	19.59	21.50
	3 (RB_Pos:3)	HIGH	64QAM	19.90	20.18	19.66	21.50
	6 (RB_Pos:0)	LOW	64QAM	18.95	19.22	19.16	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18615	18900	19185	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	20.13	20.20	19.99	21.50
	1 (RB_Pos:8)	MIDDLE	QPSK	19.98	19.92	20.01	21.50
	1 (RB_Pos:14)	HIGH	QPSK	20.09	20.18	19.86	21.50
	8 (RB_Pos:0)	LOW	QPSK	20.19	20.16	19.95	21.50
	8 (RB_Pos:3)	MIDDLE	QPSK	20.15	20.24	20.03	21.50
	8 (RB_Pos:7)	HIGH	QPSK	20.17	20.18	20.23	21.50
	15 (RB_Pos:0)	LOW	QPSK	20.09	20.19	20.25	21.50
	1 (RB_Pos:0)	LOW	16QAM	20.10	20.02	19.92	21.50
	1 (RB_Pos:8)	MIDDLE	16QAM	19.96	19.92	19.89	21.50
	1 (RB_Pos:14)	HIGH	16QAM	19.99	20.03	20.04	21.50
	8 (RB_Pos:0)	LOW	16QAM	19.97	19.99	19.67	21.50
	8 (RB_Pos:3)	MIDDLE	16QAM	20.11	19.89	19.92	21.50
	8 (RB_Pos:7)	HIGH	16QAM	19.97	19.86	19.76	21.50
	15 (RB_Pos:0)	LOW	16QAM	19.93	19.86	19.67	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.16	20.41	19.87	21.50
	1 (RB_Pos:8)	MIDDLE	64QAM	20.25	20.05	19.76	21.50
	1 (RB_Pos:14)	HIGH	64QAM	20.21	20.07	19.63	21.50
	8 (RB_Pos:0)	LOW	64QAM	19.17	18.97	18.80	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	19.15	19.02	19.01	20.50
	8 (RB_Pos:7)	HIGH	64QAM	19.11	19.13	19.11	20.50
	15 (RB_Pos:0)	LOW	64QAM	19.15	18.95	18.88	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18625	18900	19175	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	20.17	20.03	19.92	21.50
	1 (RB_Pos:13)	MIDDLE	QPSK	20.00	20.07	20.03	21.50
	1 (RB_Pos:24)	HIGH	QPSK	20.14	20.02	20.05	21.50
	12 (RB_Pos:0)	LOW	QPSK	20.15	20.09	19.95	21.50
	12 (RB_Pos:6)	MIDDLE	QPSK	20.23	19.97	20.21	21.50
	12 (RB_Pos:13)	HIGH	QPSK	20.13	20.32	20.20	21.50
	25 (RB_Pos:0)	LOW	QPSK	20.14	20.16	20.28	21.50
	1 (RB_Pos:0)	LOW	16QAM	20.11	20.09	19.85	21.50
	1 (RB_Pos:13)	MIDDLE	16QAM	19.98	19.97	19.83	21.50
	1 (RB_Pos:24)	HIGH	16QAM	20.07	20.15	19.94	21.50
	12 (RB_Pos:0)	LOW	16QAM	19.98	19.97	19.80	21.50

	12 (RB_Pos:6)	MIDDLE	16QAM	20.11	19.95	19.88	21.50
	12 (RB_Pos:13)	HIGH	16QAM	20.11	20.05	19.88	21.50
	25 (RB_Pos:0)	LOW	16QAM	20.00	19.86	19.71	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.03	20.37	19.83	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.26	20.10	19.83	21.50
	1 (RB_Pos:24)	HIGH	64QAM	20.11	20.16	19.71	21.50
	12 (RB_Pos:0)	LOW	64QAM	19.09	18.91	18.94	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	19.18	19.17	18.97	20.50
	12 (RB_Pos:13)	HIGH	64QAM	19.06	19.15	19.15	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.31	18.98	19.02	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18650	18900	19150	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	20.24	20.17	20.07	21.50
	1 (RB_Pos:25)	MIDDLE	QPSK	20.12	20.13	19.98	21.50
	1 (RB_Pos:49)	HIGH	QPSK	20.05	20.15	19.90	21.50
	25 (RB_Pos:0)	LOW	QPSK	19.97	20.01	19.85	21.50
	25 (RB_Pos:12)	MIDDLE	QPSK	20.28	20.26	20.15	21.50
	25 (RB_Pos:25)	HIGH	QPSK	20.28	20.17	19.95	21.50
	50 (RB_Pos:0)	LOW	QPSK	20.22	20.02	20.22	21.50
	1 (RB_Pos:0)	LOW	16QAM	20.33	20.13	20.03	21.50
	1 (RB_Pos:25)	MIDDLE	16QAM	20.23	20.03	19.91	21.50
	1 (RB_Pos:49)	HIGH	16QAM	20.19	20.09	20.03	21.50
	25 (RB_Pos:0)	LOW	16QAM	19.85	19.87	19.68	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.04	19.85	19.89	21.50
	25 (RB_Pos:25)	HIGH	16QAM	20.10	19.97	19.80	21.50
	50 (RB_Pos:0)	LOW	16QAM	19.97	19.91	19.69	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.18	20.41	19.98	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.34	20.05	19.79	21.50
	1 (RB_Pos:49)	HIGH	64QAM	20.24	20.06	19.71	21.50
	25 (RB_Pos:0)	LOW	64QAM	19.10	19.08	18.80	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	19.18	19.00	18.92	20.50
	25 (RB_Pos:25)	HIGH	64QAM	19.08	19.25	19.15	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.19	18.82	18.93	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18675	18900	19125	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	20.23	20.14	20.08	21.50
	1 (RB_Pos:38)	MIDDLE	QPSK	20.22	20.00	19.82	21.50
	1 (RB_Pos:74)	HIGH	QPSK	20.21	20.04	19.77	21.50
	36 (RB_Pos:0)	LOW	QPSK	20.15	20.17	20.15	21.50
	36 (RB_Pos:20)	MIDDLE	QPSK	20.20	20.11	20.26	21.50
	36 (RB_Pos:39)	HIGH	QPSK	20.34	20.03	19.95	21.50
	75 (RB_Pos:0)	LOW	QPSK	20.30	20.20	20.16	21.50
	1 (RB_Pos:0)	LOW	16QAM	20.12	20.23	20.04	21.50

	1 (RB_Pos:38)	MIDDLE	16QAM	19.96	20.12	20.00	21.50
	1 (RB_Pos:74)	HIGH	16QAM	19.96	20.15	19.84	21.50
	36 (RB_Pos:0)	LOW	16QAM	19.99	20.00	19.79	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	19.99	19.86	19.82	21.50
	36 (RB_Pos:39)	HIGH	16QAM	19.95	20.05	19.84	21.50
	75 (RB_Pos:0)	LOW	16QAM	19.95	19.91	19.68	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.16	20.23	19.88	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.35	20.02	19.74	21.50
	1 (RB_Pos:74)	HIGH	64QAM	20.22	20.15	19.72	21.50
	36 (RB_Pos:0)	LOW	64QAM	19.29	19.07	18.81	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.10	19.01	18.99	20.50
	36 (RB_Pos:39)	HIGH	64QAM	19.07	19.19	19.20	20.50
	75 (RB_Pos:0)	LOW	64QAM	19.17	18.99	18.90	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18700	18900	19100	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	20.38	**20.39**	20.17	21.50
	1 (RB_Pos:50)	MIDDLE	QPSK	20.28	20.26	20.09	21.50
	1 (RB_Pos:99)	HIGH	QPSK	20.29	20.24	20.10	21.50
	50 (RB_Pos:0)	LOW	QPSK	20.30	20.29	20.20	21.50
	50 (RB_Pos:25)	MIDDLE	QPSK	20.43	20.46	20.33	21.50
	50 (RB_Pos:50)	HIGH	QPSK	20.39	20.37	20.28	21.50
	100 (RB_Pos:0)	LOW	QPSK	20.40	20.28	20.33	21.50
	1 (RB_Pos:0)	LOW	16QAM	20.07	19.98	19.94	21.50
	1 (RB_Pos:50)	MIDDLE	16QAM	19.93	19.92	20.00	21.50
	1 (RB_Pos:99)	HIGH	16QAM	20.23	20.15	19.79	21.50
	50 (RB_Pos:0)	LOW	16QAM	20.01	20.00	19.77	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.07	19.86	19.96	21.50
	50 (RB_Pos:50)	HIGH	16QAM	20.03	19.93	19.75	21.50
	100 (RB_Pos:0)	LOW	16QAM	20.06	19.81	19.67	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.03	20.23	19.96	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	20.26	20.15	19.93	21.50
	1 (RB_Pos:99)	HIGH	64QAM	20.23	20.08	19.75	21.50
	50 (RB_Pos:0)	LOW	64QAM	19.20	18.99	18.96	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.16	19.03	18.91	20.50
	50 (RB_Pos:50)	HIGH	64QAM	19.10	19.19	19.08	20.50
	100 (RB_Pos:0)	LOW	64QAM	19.26	18.94	18.94	20.50

8.9.24 Power Reduced Level 5&6-ANT0 of LTE Band 2

FDD LTE Band 2							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18607	18900	19193	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	19.49	19.69	19.42	21.00
	1 (RB_Pos:3)	MIDDLE	QPSK	19.66	19.60	19.29	21.00
	1 (RB_Pos:5)	HIGH	QPSK	19.44	19.66	19.53	21.00
	3 (RB_Pos:0)	LOW	QPSK	19.46	19.58	19.58	21.00
	3 (RB_Pos:1)	MIDDLE	QPSK	19.66	19.55	19.58	21.00
	3 (RB_Pos:3)	HIGH	QPSK	19.74	19.83	19.65	21.00
	6 (RB_Pos:0)	LOW	QPSK	19.62	19.49	19.59	21.00
	1 (RB_Pos:0)	LOW	16QAM	19.51	19.50	19.49	21.00
	1 (RB_Pos:3)	MIDDLE	16QAM	19.66	19.55	19.28	21.00
	1 (RB_Pos:5)	HIGH	16QAM	19.70	19.74	19.45	21.00
	3 (RB_Pos:0)	LOW	16QAM	19.57	19.49	19.59	21.00
	3 (RB_Pos:1)	MIDDLE	16QAM	19.75	19.55	19.61	21.00
	3 (RB_Pos:3)	HIGH	16QAM	19.69	19.76	19.61	21.00
	6 (RB_Pos:0)	LOW	16QAM	19.59	19.73	19.52	21.00
	1 (RB_Pos:0)	LOW	64QAM	19.67	19.26	19.42	21.00
	1 (RB_Pos:3)	MIDDLE	64QAM	19.76	19.48	19.22	21.00
	1 (RB_Pos:5)	HIGH	64QAM	19.77	19.30	19.17	21.00
	3 (RB_Pos:0)	LOW	64QAM	19.58	19.48	19.25	21.00
	3 (RB_Pos:1)	MIDDLE	64QAM	19.70	19.36	19.10	21.00
	3 (RB_Pos:3)	HIGH	64QAM	19.40	19.57	19.23	21.00
	6 (RB_Pos:0)	LOW	64QAM	18.83	19.13	19.09	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18615	18900	19185	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	19.72	19.55	19.45	21.00
	1 (RB_Pos:8)	MIDDLE	QPSK	19.61	19.70	19.29	21.00
	1 (RB_Pos:14)	HIGH	QPSK	19.50	19.69	19.47	21.00
	8 (RB_Pos:0)	LOW	QPSK	19.76	19.65	19.50	21.00
	8 (RB_Pos:3)	MIDDLE	QPSK	19.91	19.69	19.71	21.00
	8 (RB_Pos:7)	HIGH	QPSK	19.59	19.78	19.45	21.00
	15 (RB_Pos:0)	LOW	QPSK	19.83	19.53	19.62	21.00
	1 (RB_Pos:0)	LOW	16QAM	19.50	19.74	19.59	21.00
	1 (RB_Pos:8)	MIDDLE	16QAM	19.60	19.58	19.43	21.00
	1 (RB_Pos:14)	HIGH	16QAM	19.50	19.50	19.32	21.00
	8 (RB_Pos:0)	LOW	16QAM	19.64	19.57	19.63	21.00
	8 (RB_Pos:3)	MIDDLE	16QAM	19.81	19.51	19.53	21.00
	8 (RB_Pos:7)	HIGH	16QAM	19.73	19.60	19.47	21.00
	15 (RB_Pos:0)	LOW	16QAM	19.62	19.73	19.61	21.00
	1 (RB_Pos:0)	LOW	64QAM	19.66	19.88	19.47	21.00
	1 (RB_Pos:8)	MIDDLE	64QAM	19.78	19.52	19.28	21.00

	1 (RB_Pos:14)	HIGH	64QAM	19.60	19.49	19.11	21.00
	8 (RB_Pos:0)	LOW	64QAM	19.29	18.88	18.86	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	19.12	19.04	18.94	20.50
	8 (RB_Pos:7)	HIGH	64QAM	19.05	19.09	19.20	20.50
	15 (RB_Pos:0)	LOW	64QAM	19.23	18.98	18.90	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18625	18900	19175	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	19.69	19.71	19.34	21.00
	1 (RB_Pos:13)	MIDDLE	QPSK	19.52	19.63	19.29	21.00
	1 (RB_Pos:24)	HIGH	QPSK	19.42	19.72	19.39	21.00
	12 (RB_Pos:0)	LOW	QPSK	19.70	19.70	19.43	21.00
	12 (RB_Pos:6)	MIDDLE	QPSK	19.65	19.61	19.76	21.00
	12 (RB_Pos:13)	HIGH	QPSK	19.57	19.56	19.57	21.00
	25 (RB_Pos:0)	LOW	QPSK	19.58	19.45	19.80	21.00
	1 (RB_Pos:0)	LOW	16QAM	19.56	19.66	19.49	21.00
	1 (RB_Pos:13)	MIDDLE	16QAM	19.56	19.73	19.49	21.00
	1 (RB_Pos:24)	HIGH	16QAM	19.49	19.52	19.42	21.00
	12 (RB_Pos:0)	LOW	16QAM	19.76	19.63	19.48	21.00
	12 (RB_Pos:6)	MIDDLE	16QAM	19.79	19.74	19.64	21.00
	12 (RB_Pos:13)	HIGH	16QAM	19.84	19.67	19.63	21.00
	25 (RB_Pos:0)	LOW	16QAM	19.61	19.53	19.50	21.00
	1 (RB_Pos:0)	LOW	64QAM	19.62	19.84	19.38	21.00
	1 (RB_Pos:13)	MIDDLE	64QAM	19.82	19.45	19.27	21.00
	1 (RB_Pos:24)	HIGH	64QAM	19.77	19.66	19.11	21.00
	12 (RB_Pos:0)	LOW	64QAM	19.27	18.99	18.85	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	19.20	19.00	18.90	20.50
	12 (RB_Pos:13)	HIGH	64QAM	19.08	19.26	19.18	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.22	18.85	19.05	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18650	18900	19150	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	19.55	19.44	19.60	21.00
	1 (RB_Pos:25)	MIDDLE	QPSK	19.46	19.47	19.32	21.00
	1 (RB_Pos:49)	HIGH	QPSK	19.44	19.53	19.41	21.00
	25 (RB_Pos:0)	LOW	QPSK	19.75	19.54	19.45	21.00
	25 (RB_Pos:12)	MIDDLE	QPSK	19.80	19.59	19.65	21.00
	25 (RB_Pos:25)	HIGH	QPSK	19.79	19.78	19.44	21.00
	50 (RB_Pos:0)	LOW	QPSK	19.59	19.56	19.63	21.00
	1 (RB_Pos:0)	LOW	16QAM	19.57	19.64	19.58	21.00
	1 (RB_Pos:25)	MIDDLE	16QAM	19.53	19.46	19.42	21.00
	1 (RB_Pos:49)	HIGH	16QAM	19.63	19.52	19.46	21.00
	25 (RB_Pos:0)	LOW	16QAM	19.52	19.71	19.59	21.00
	25 (RB_Pos:12)	MIDDLE	16QAM	19.83	19.64	19.47	21.00
	25 (RB_Pos:25)	HIGH	16QAM	19.78	19.59	19.51	21.00

	50 (RB_Pos:0)	LOW	16QAM	19.81	19.54	19.64	21.00
	1 (RB_Pos:0)	LOW	64QAM	19.58	19.76	19.49	21.00
	1 (RB_Pos:25)	MIDDLE	64QAM	19.79	19.47	19.40	21.00
	1 (RB_Pos:49)	HIGH	64QAM	19.77	19.52	19.10	21.00
	25 (RB_Pos:0)	LOW	64QAM	19.12	18.89	18.81	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	19.05	19.20	18.99	20.50
	25 (RB_Pos:25)	HIGH	64QAM	19.12	19.10	19.07	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.19	18.83	19.06	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18675	18900	19125	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	19.78	19.63	19.57	21.00
	1 (RB_Pos:38)	MIDDLE	QPSK	19.56	19.57	19.46	21.00
	1 (RB_Pos:74)	HIGH	QPSK	19.71	19.75	19.45	21.00
	36 (RB_Pos:0)	LOW	QPSK	19.48	19.65	19.69	21.00
	36 (RB_Pos:20)	MIDDLE	QPSK	19.91	19.63	19.49	21.00
	36 (RB_Pos:39)	HIGH	QPSK	19.66	19.72	19.54	21.00
	75 (RB_Pos:0)	LOW	QPSK	19.66	19.75	19.67	21.00
	1 (RB_Pos:0)	LOW	16QAM	19.71	19.54	19.52	21.00
	1 (RB_Pos:38)	MIDDLE	16QAM	19.70	19.68	19.41	21.00
	1 (RB_Pos:74)	HIGH	16QAM	19.51	19.50	19.35	21.00
	36 (RB_Pos:0)	LOW	16QAM	19.58	19.60	19.58	21.00
	36 (RB_Pos:20)	MIDDLE	16QAM	19.74	19.59	19.53	21.00
	36 (RB_Pos:39)	HIGH	16QAM	19.61	19.53	19.74	21.00
	75 (RB_Pos:0)	LOW	16QAM	19.62	19.49	19.59	21.00
	1 (RB_Pos:0)	LOW	64QAM	19.62	19.87	19.51	21.00
	1 (RB_Pos:38)	MIDDLE	64QAM	19.85	19.48	19.26	21.00
	1 (RB_Pos:74)	HIGH	64QAM	19.61	19.62	19.30	21.00
	36 (RB_Pos:0)	LOW	64QAM	19.26	19.03	18.91	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.07	19.20	18.89	20.50
	36 (RB_Pos:39)	HIGH	64QAM	19.16	19.13	19.09	20.50
	75 (RB_Pos:0)	LOW	64QAM	19.26	18.97	18.92	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			18700	18900	19100	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	19.83	**19.89**	19.69	21.00
	1 (RB_Pos:50)	MIDDLE	QPSK	19.76	19.81	19.59	21.00
	1 (RB_Pos:99)	HIGH	QPSK	19.76	19.80	19.62	21.00
	50 (RB_Pos:0)	LOW	QPSK	19.81	19.83	19.74	21.00
	50 (RB_Pos:25)	MIDDLE	QPSK	19.96	19.98	19.82	21.00
	50 (RB_Pos:50)	HIGH	QPSK	19.91	19.88	19.79	21.00
	100 (RB_Pos:0)	LOW	QPSK	19.91	19.80	19.85	21.00
	1 (RB_Pos:0)	LOW	16QAM	19.66	19.67	19.42	21.00
	1 (RB_Pos:50)	MIDDLE	16QAM	19.42	19.49	19.38	21.00
	1 (RB_Pos:99)	HIGH	16QAM	19.47	19.67	19.49	21.00

	50 (RB_Pos:0)	LOW	16QAM	19.69	19.72	19.65	21.00
	50 (RB_Pos:25)	MIDDLE	16QAM	19.84	19.56	19.60	21.00
	50 (RB_Pos:50)	HIGH	16QAM	19.74	19.71	19.74	21.00
	100 (RB_Pos:0)	LOW	16QAM	19.84	19.56	19.52	21.00
	1 (RB_Pos:0)	LOW	64QAM	19.68	19.83	19.33	21.00
	1 (RB_Pos:50)	MIDDLE	64QAM	19.91	19.50	19.39	21.00
	1 (RB_Pos:99)	HIGH	64QAM	19.73	19.65	19.27	21.00
	50 (RB_Pos:0)	LOW	64QAM	19.20	18.90	19.00	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.11	19.20	19.02	20.50
	50 (RB_Pos:50)	HIGH	64QAM	19.07	19.16	19.11	20.50
	100 (RB_Pos:0)	LOW	64QAM	19.17	18.96	19.01	20.50

8.9.25 Power Reduced Level 1-ANT2 of LTE Band 4

FDD LTE Band 4							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19957	20175	20393	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	19.45	19.66	19.50	20.50
	1 (RB_Pos:3)	MIDDLE	QPSK	19.37	19.52	19.44	20.50
	1 (RB_Pos:5)	HIGH	QPSK	19.54	19.48	19.29	20.50
	3 (RB_Pos:0)	LOW	QPSK	19.59	19.57	19.54	20.50
	3 (RB_Pos:1)	MIDDLE	QPSK	19.66	19.76	19.38	20.50
	3 (RB_Pos:3)	HIGH	QPSK	19.42	19.58	19.56	20.50
	6 (RB_Pos:0)	LOW	QPSK	19.48	19.53	19.57	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.62	19.48	19.69	20.50
	1 (RB_Pos:3)	MIDDLE	16QAM	19.58	19.52	19.37	20.50
	1 (RB_Pos:5)	HIGH	16QAM	19.36	19.56	19.40	20.50
	3 (RB_Pos:0)	LOW	16QAM	19.43	19.41	19.64	20.50
	3 (RB_Pos:1)	MIDDLE	16QAM	19.54	19.61	19.39	20.50
	3 (RB_Pos:3)	HIGH	16QAM	19.41	19.60	19.57	20.50
	6 (RB_Pos:0)	LOW	16QAM	19.58	19.73	19.50	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.59	19.64	19.39	20.50
	1 (RB_Pos:3)	MIDDLE	64QAM	19.37	19.40	19.06	20.50
	1 (RB_Pos:5)	HIGH	64QAM	19.32	19.42	19.16	20.50
	3 (RB_Pos:0)	LOW	64QAM	19.45	19.40	19.50	20.50
	3 (RB_Pos:1)	MIDDLE	64QAM	19.74	19.57	19.53	20.50
	3 (RB_Pos:3)	HIGH	64QAM	19.51	19.67	19.29	20.50
	6 (RB_Pos:0)	LOW	64QAM	19.46	19.42	19.48	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19965	20175	20385	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	19.64	19.60	19.40	20.50
	1 (RB_Pos:8)	MIDDLE	QPSK	19.43	19.29	19.38	20.50
	1 (RB_Pos:14)	HIGH	QPSK	19.37	19.36	19.20	20.50

	8 (RB_Pos:0)	LOW	QPSK	19.53	19.60	19.61	20.50
	8 (RB_Pos:3)	MIDDLE	QPSK	19.60	19.48	19.40	20.50
	8 (RB_Pos:7)	HIGH	QPSK	19.55	19.49	19.54	20.50
	15 (RB_Pos:0)	LOW	QPSK	19.58	19.46	19.35	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.64	19.67	19.58	20.50
	1 (RB_Pos:8)	MIDDLE	16QAM	19.50	19.37	19.28	20.50
	1 (RB_Pos:14)	HIGH	16QAM	19.34	19.36	19.26	20.50
	8 (RB_Pos:0)	LOW	16QAM	19.66	19.71	19.65	20.50
	8 (RB_Pos:3)	MIDDLE	16QAM	19.76	19.67	19.47	20.50
	8 (RB_Pos:7)	HIGH	16QAM	19.43	19.56	19.54	20.50
	15 (RB_Pos:0)	LOW	16QAM	19.59	19.52	19.55	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.55	19.58	19.57	20.50
	1 (RB_Pos:8)	MIDDLE	64QAM	19.50	19.46	19.13	20.50
	1 (RB_Pos:14)	HIGH	64QAM	19.40	19.33	19.12	20.50
	8 (RB_Pos:0)	LOW	64QAM	19.49	19.49	19.53	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	19.64	19.58	19.41	20.50
	8 (RB_Pos:7)	HIGH	64QAM	19.62	19.66	19.29	20.50
	15 (RB_Pos:0)	LOW	64QAM	19.46	19.53	19.44	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19975	20175	20375	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	19.47	19.61	19.65	20.50
	1 (RB_Pos:13)	MIDDLE	QPSK	19.52	19.40	19.29	20.50
	1 (RB_Pos:24)	HIGH	QPSK	19.46	19.38	19.40	20.50
	12 (RB_Pos:0)	LOW	QPSK	19.72	19.49	19.59	20.50
	12 (RB_Pos:6)	MIDDLE	QPSK	19.64	19.68	19.44	20.50
	12 (RB_Pos:13)	HIGH	QPSK	19.53	19.51	19.37	20.50
	25 (RB_Pos:0)	LOW	QPSK	19.68	19.47	19.50	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.49	19.53	19.50	20.50
	1 (RB_Pos:13)	MIDDLE	16QAM	19.40	19.54	19.29	20.50
	1 (RB_Pos:24)	HIGH	16QAM	19.58	19.36	19.34	20.50
	12 (RB_Pos:0)	LOW	16QAM	19.53	19.45	19.50	20.50
	12 (RB_Pos:6)	MIDDLE	16QAM	19.71	19.73	19.42	20.50
	12 (RB_Pos:13)	HIGH	16QAM	19.68	19.63	19.51	20.50
	25 (RB_Pos:0)	LOW	16QAM	19.57	19.63	19.36	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.67	19.63	19.58	20.50
	1 (RB_Pos:13)	MIDDLE	64QAM	19.48	19.52	19.11	20.50
	1 (RB_Pos:24)	HIGH	64QAM	19.36	19.25	19.30	20.50
	12 (RB_Pos:0)	LOW	64QAM	19.45	19.45	19.65	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	19.80	19.65	19.56	20.50
	12 (RB_Pos:13)	HIGH	64QAM	19.61	19.57	19.36	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.58	19.36	19.48	20.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20000	20175	20350	Tune up limit (dBm)

10 MHz	1 (RB_Pos:0)	LOW	QPSK	19.68	19.51	19.66	20.50
	1 (RB_Pos:25)	MIDDLE	QPSK	19.45	19.37	19.29	20.50
	1 (RB_Pos:49)	HIGH	QPSK	19.43	19.44	19.42	20.50
	25 (RB_Pos:0)	LOW	QPSK	19.51	19.54	19.70	20.50
	25 (RB_Pos:12)	MIDDLE	QPSK	19.63	19.64	19.67	20.50
	25 (RB_Pos:25)	HIGH	QPSK	19.57	19.44	19.49	20.50
	50 (RB_Pos:0)	LOW	QPSK	19.68	19.67	19.64	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.56	19.56	19.54	20.50
	1 (RB_Pos:25)	MIDDLE	16QAM	19.39	19.34	19.52	20.50
	1 (RB_Pos:49)	HIGH	16QAM	19.45	19.35	19.29	20.50
	25 (RB_Pos:0)	LOW	16QAM	19.65	19.47	19.66	20.50
	25 (RB_Pos:12)	MIDDLE	16QAM	19.73	19.76	19.54	20.50
	25 (RB_Pos:25)	HIGH	16QAM	19.53	19.67	19.44	20.50
	50 (RB_Pos:0)	LOW	16QAM	19.72	19.66	19.40	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.74	19.57	19.43	20.50
	1 (RB_Pos:25)	MIDDLE	64QAM	19.37	19.38	19.07	20.50
	1 (RB_Pos:49)	HIGH	64QAM	19.38	19.40	19.13	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.55	19.44	19.57	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	19.71	19.57	19.48	20.50
	25 (RB_Pos:25)	HIGH	64QAM	19.63	19.63	19.27	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.45	19.34	19.58	20.50

Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20025	20175	20325	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	19.65	19.62	19.43	20.50
	1 (RB_Pos:38)	MIDDLE	QPSK	19.46	19.40	19.30	20.50
	1 (RB_Pos:74)	HIGH	QPSK	19.33	19.33	19.23	20.50
	36 (RB_Pos:0)	LOW	QPSK	19.54	19.66	19.49	20.50
	36 (RB_Pos:20)	MIDDLE	QPSK	19.64	19.69	19.43	20.50
	36 (RB_Pos:39)	HIGH	QPSK	19.57	19.40	19.38	20.50
	75 (RB_Pos:0)	LOW	QPSK	19.69	19.70	19.50	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.53	19.43	19.62	20.50
	1 (RB_Pos:38)	MIDDLE	16QAM	19.37	19.44	19.37	20.50
	1 (RB_Pos:74)	HIGH	16QAM	19.42	19.39	19.36	20.50
	36 (RB_Pos:0)	LOW	16QAM	19.57	19.50	19.52	20.50
	36 (RB_Pos:20)	MIDDLE	16QAM	19.77	19.53	19.45	20.50
	36 (RB_Pos:39)	HIGH	16QAM	19.65	19.61	19.51	20.50
	75 (RB_Pos:0)	LOW	16QAM	19.54	19.71	19.48	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.66	19.74	19.58	20.50
	1 (RB_Pos:38)	MIDDLE	64QAM	19.35	19.47	19.02	20.50
	1 (RB_Pos:74)	HIGH	64QAM	19.46	19.32	19.23	20.50
	36 (RB_Pos:0)	LOW	64QAM	19.53	19.52	19.55	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.75	19.51	19.51	20.50
	36 (RB_Pos:39)	HIGH	64QAM	19.54	19.62	19.29	20.50
	75 (RB_Pos:0)	LOW	64QAM	19.58	19.53	19.46	20.50

Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20050	20175	20300	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	19.80	**19.85**	19.74	20.50
	1 (RB_Pos:50)	MIDDLE	QPSK	19.63	19.62	19.57	20.50
	1 (RB_Pos:99)	HIGH	QPSK	19.66	19.68	19.54	20.50
	50 (RB_Pos:0)	LOW	QPSK	19.78	19.76	19.75	20.50
	50 (RB_Pos:25)	MIDDLE	QPSK	19.82	19.83	19.72	20.50
	50 (RB_Pos:50)	HIGH	QPSK	19.76	19.72	19.70	20.50
	100 (RB_Pos:0)	LOW	QPSK	19.82	19.78	19.69	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.74	19.68	19.40	20.50
	1 (RB_Pos:50)	MIDDLE	16QAM	19.55	19.38	19.41	20.50
	1 (RB_Pos:99)	HIGH	16QAM	19.40	19.61	19.44	20.50
	50 (RB_Pos:0)	LOW	16QAM	19.55	19.54	19.70	20.50
	50 (RB_Pos:25)	MIDDLE	16QAM	19.60	19.71	19.59	20.50
	50 (RB_Pos:50)	HIGH	16QAM	19.62	19.67	19.52	20.50
	100 (RB_Pos:0)	LOW	16QAM	19.73	19.45	19.43	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.62	19.64	19.43	20.50
	1 (RB_Pos:50)	MIDDLE	64QAM	19.35	19.51	19.14	20.50
	1 (RB_Pos:99)	HIGH	64QAM	19.30	19.40	19.26	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.45	19.52	19.48	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.77	19.51	19.52	20.50
	50 (RB_Pos:50)	HIGH	64QAM	19.51	19.56	19.42	20.50
	100 (RB_Pos:0)	LOW	64QAM	19.51	19.53	19.40	20.50

8.9.26 Power Reduced Level 2&3-ANT2 of LTE Band 4

FDD LTE Band 4							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19957	20175	20393	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	19.16	19.12	19.02	20.00
	1 (RB_Pos:3)	MIDDLE	QPSK	19.21	19.17	19.10	20.00
	1 (RB_Pos:5)	HIGH	QPSK	19.18	19.12	19.03	20.00
	3 (RB_Pos:0)	LOW	QPSK	19.19	19.10	19.08	20.00
	3 (RB_Pos:1)	MIDDLE	QPSK	19.25	19.18	19.14	20.00
	3 (RB_Pos:3)	HIGH	QPSK	19.17	19.13	19.07	20.00
	6 (RB_Pos:0)	LOW	QPSK	19.26	19.20	19.12	20.00
	1 (RB_Pos:0)	LOW	16QAM	18.93	18.89	18.98	20.00
	1 (RB_Pos:3)	MIDDLE	16QAM	18.77	18.99	18.82	20.00
	1 (RB_Pos:5)	HIGH	16QAM	19.00	18.93	18.85	20.00
	3 (RB_Pos:0)	LOW	16QAM	19.10	18.98	18.93	20.00
	3 (RB_Pos:1)	MIDDLE	16QAM	19.22	19.16	18.96	20.00
	3 (RB_Pos:3)	HIGH	16QAM	19.13	19.07	18.95	20.00
	6 (RB_Pos:0)	LOW	16QAM	19.21	19.00	19.13	20.00

	1 (RB_Pos:0)	LOW	64QAM	19.17	19.13	19.08	20.00
	1 (RB_Pos:3)	MIDDLE	64QAM	18.85	18.93	18.58	20.00
	1 (RB_Pos:5)	HIGH	64QAM	18.92	18.84	18.67	20.00
	3 (RB_Pos:0)	LOW	64QAM	19.05	18.87	19.08	20.00
	3 (RB_Pos:1)	MIDDLE	64QAM	19.23	19.09	19.06	20.00
	3 (RB_Pos:3)	HIGH	64QAM	19.03	19.04	18.83	20.00
	6 (RB_Pos:0)	LOW	64QAM	18.94	18.86	19.02	20.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19965	20175	20385	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	19.22	19.11	19.17	20.00
	1 (RB_Pos:8)	MIDDLE	QPSK	19.30	19.25	19.26	20.00
	1 (RB_Pos:14)	HIGH	QPSK	19.28	19.23	19.16	20.00
	8 (RB_Pos:0)	LOW	QPSK	19.34	19.17	19.23	20.00
	8 (RB_Pos:3)	MIDDLE	QPSK	19.37	19.29	19.26	20.00
	8 (RB_Pos:7)	HIGH	QPSK	19.37	19.26	19.21	20.00
	15 (RB_Pos:0)	LOW	QPSK	19.34	19.28	19.24	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.19	19.13	19.10	20.00
	1 (RB_Pos:8)	MIDDLE	16QAM	19.05	18.89	18.62	20.00
	1 (RB_Pos:14)	HIGH	16QAM	18.99	19.09	18.95	20.00
	8 (RB_Pos:0)	LOW	16QAM	19.22	19.13	19.16	20.00
	8 (RB_Pos:3)	MIDDLE	16QAM	19.17	19.06	19.16	20.00
	8 (RB_Pos:7)	HIGH	16QAM	19.05	19.07	19.06	20.00
	15 (RB_Pos:0)	LOW	16QAM	19.18	19.22	19.08	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.13	19.21	18.93	20.00
	1 (RB_Pos:8)	MIDDLE	64QAM	18.96	18.91	18.65	20.00
	1 (RB_Pos:14)	HIGH	64QAM	18.94	18.76	18.66	20.00
	8 (RB_Pos:0)	LOW	64QAM	18.92	19.01	19.09	20.00
	8 (RB_Pos:3)	MIDDLE	64QAM	19.18	19.06	19.02	20.00
	8 (RB_Pos:7)	HIGH	64QAM	19.01	18.97	18.79	20.00
	15 (RB_Pos:0)	LOW	64QAM	19.13	18.86	19.01	20.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19975	20175	20375	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	19.25	19.18	19.20	20.00
	1 (RB_Pos:13)	MIDDLE	QPSK	19.27	19.27	19.22	20.00
	1 (RB_Pos:24)	HIGH	QPSK	19.27	19.29	19.21	20.00
	12 (RB_Pos:0)	LOW	QPSK	19.34	19.23	19.26	20.00
	12 (RB_Pos:6)	MIDDLE	QPSK	19.37	19.34	19.28	20.00
	12 (RB_Pos:13)	HIGH	QPSK	19.37	19.26	19.30	20.00
	25 (RB_Pos:0)	LOW	QPSK	19.31	19.30	19.29	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.22	19.08	18.90	20.00
	1 (RB_Pos:13)	MIDDLE	16QAM	19.00	18.87	18.66	20.00
	1 (RB_Pos:24)	HIGH	16QAM	19.07	18.95	18.97	20.00
	12 (RB_Pos:0)	LOW	16QAM	19.03	19.05	19.04	20.00

	12 (RB_Pos:6)	MIDDLE	16QAM	18.98	19.23	19.13	20.00
	12 (RB_Pos:13)	HIGH	16QAM	19.07	18.89	18.94	20.00
	25 (RB_Pos:0)	LOW	16QAM	19.01	19.22	18.87	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.12	19.17	19.02	20.00
	1 (RB_Pos:13)	MIDDLE	64QAM	18.93	18.96	18.65	20.00
	1 (RB_Pos:24)	HIGH	64QAM	18.95	18.88	18.80	20.00
	12 (RB_Pos:0)	LOW	64QAM	19.05	18.98	19.14	20.00
	12 (RB_Pos:6)	MIDDLE	64QAM	19.13	19.14	18.99	20.00
	12 (RB_Pos:13)	HIGH	64QAM	19.00	19.11	18.77	20.00
	25 (RB_Pos:0)	LOW	64QAM	19.02	19.03	18.96	20.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20000	20175	20350	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	19.28	19.16	19.23	20.00
	1 (RB_Pos:25)	MIDDLE	QPSK	19.18	19.14	19.21	20.00
	1 (RB_Pos:49)	HIGH	QPSK	19.27	19.16	19.20	20.00
	25 (RB_Pos:0)	LOW	QPSK	19.33	19.20	19.17	20.00
	25 (RB_Pos:12)	MIDDLE	QPSK	19.35	19.31	19.20	20.00
	25 (RB_Pos:25)	HIGH	QPSK	19.32	19.31	19.32	20.00
	50 (RB_Pos:0)	LOW	QPSK	19.33	19.31	19.20	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.18	19.00	19.09	20.00
	1 (RB_Pos:25)	MIDDLE	16QAM	19.03	19.05	18.65	20.00
	1 (RB_Pos:49)	HIGH	16QAM	19.08	19.09	18.88	20.00
	25 (RB_Pos:0)	LOW	16QAM	19.19	19.08	19.17	20.00
	25 (RB_Pos:12)	MIDDLE	16QAM	19.06	19.02	19.02	20.00
	25 (RB_Pos:25)	HIGH	16QAM	19.11	18.96	19.16	20.00
	50 (RB_Pos:0)	LOW	16QAM	19.06	19.22	19.01	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.15	19.24	19.04	20.00
	1 (RB_Pos:25)	MIDDLE	64QAM	18.98	18.83	18.65	20.00
	1 (RB_Pos:49)	HIGH	64QAM	18.93	18.83	18.62	20.00
	25 (RB_Pos:0)	LOW	64QAM	18.99	18.88	19.02	20.00
	25 (RB_Pos:12)	MIDDLE	64QAM	19.14	19.07	18.97	20.00
	25 (RB_Pos:25)	HIGH	64QAM	19.01	19.05	18.94	20.00
	50 (RB_Pos:0)	LOW	64QAM	19.00	18.87	19.02	20.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20025	20175	20325	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	19.27	19.26	19.27	20.00
	1 (RB_Pos:38)	MIDDLE	QPSK	19.12	19.10	19.06	20.00
	1 (RB_Pos:74)	HIGH	QPSK	19.15	19.12	19.14	20.00
	36 (RB_Pos:0)	LOW	QPSK	19.29	19.25	19.24	20.00
	36 (RB_Pos:20)	MIDDLE	QPSK	19.28	19.28	19.17	20.00
	36 (RB_Pos:39)	HIGH	QPSK	19.27	19.23	19.22	20.00
	75 (RB_Pos:0)	LOW	QPSK	19.30	19.24	19.23	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.13	19.18	19.16	20.00

	1 (RB_Pos:38)	MIDDLE	16QAM	18.95	18.88	18.66	20.00
	1 (RB_Pos:74)	HIGH	16QAM	19.10	19.10	18.91	20.00
	36 (RB_Pos:0)	LOW	16QAM	19.06	19.09	19.03	20.00
	36 (RB_Pos:20)	MIDDLE	16QAM	19.09	19.20	19.04	20.00
	36 (RB_Pos:39)	HIGH	16QAM	19.20	18.89	18.94	20.00
	75 (RB_Pos:0)	LOW	16QAM	19.00	19.07	18.91	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.19	19.09	19.00	20.00
	1 (RB_Pos:38)	MIDDLE	64QAM	18.99	19.00	18.70	20.00
	1 (RB_Pos:74)	HIGH	64QAM	18.90	18.87	18.61	20.00
	36 (RB_Pos:0)	LOW	64QAM	19.06	18.92	19.10	20.00
	36 (RB_Pos:20)	MIDDLE	64QAM	19.25	19.08	18.86	20.00
	36 (RB_Pos:39)	HIGH	64QAM	19.04	19.12	18.92	20.00
	75 (RB_Pos:0)	LOW	64QAM	19.10	18.96	19.08	20.00

Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20050	20175	20300	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	19.27	**19.28**	19.23	20.00
	1 (RB_Pos:50)	MIDDLE	QPSK	19.12	19.16	18.97	20.00
	1 (RB_Pos:99)	HIGH	QPSK	19.18	19.19	19.09	20.00
	50 (RB_Pos:0)	LOW	QPSK	19.28	19.28	19.25	20.00
	50 (RB_Pos:25)	MIDDLE	QPSK	19.31	19.31	19.24	20.00
	50 (RB_Pos:50)	HIGH	QPSK	19.28	19.23	19.23	20.00
	100 (RB_Pos:0)	LOW	QPSK	19.32	19.30	19.21	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.13	19.04	19.02	20.00
	1 (RB_Pos:50)	MIDDLE	16QAM	19.01	18.95	18.80	20.00
	1 (RB_Pos:99)	HIGH	16QAM	19.07	19.03	18.83	20.00
	50 (RB_Pos:0)	LOW	16QAM	19.12	19.08	19.18	20.00
	50 (RB_Pos:25)	MIDDLE	16QAM	18.96	19.07	18.96	20.00
	50 (RB_Pos:50)	HIGH	16QAM	19.02	19.01	18.99	20.00
	100 (RB_Pos:0)	LOW	16QAM	19.01	19.06	18.95	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.22	19.17	18.93	20.00
	1 (RB_Pos:50)	MIDDLE	64QAM	18.91	18.85	18.56	20.00
	1 (RB_Pos:99)	HIGH	64QAM	18.85	18.83	18.61	20.00
	50 (RB_Pos:0)	LOW	64QAM	18.96	19.01	19.12	20.00
	50 (RB_Pos:25)	MIDDLE	64QAM	19.26	19.11	18.89	20.00
	50 (RB_Pos:50)	HIGH	64QAM	19.00	19.11	18.90	20.00
	100 (RB_Pos:0)	LOW	64QAM	19.14	18.92	19.04	20.00

8.9.27 Power Reduced Level 4-ANT0 of LTE Band 4

FDD LTE Band 4							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19957	20175	20393	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	21.77	21.68	21.54	23.00
	1 (RB_Pos:3)	MIDDLE	QPSK	21.55	21.51	21.55	23.00
	1 (RB_Pos:5)	HIGH	QPSK	21.61	21.52	21.54	23.00
	3 (RB_Pos:0)	LOW	QPSK	21.51	21.66	21.53	23.00
	3 (RB_Pos:1)	MIDDLE	QPSK	21.56	21.75	21.44	23.00
	3 (RB_Pos:3)	HIGH	QPSK	21.66	21.74	21.48	23.00
	6 (RB_Pos:0)	LOW	QPSK	21.76	21.73	21.58	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.75	21.46	21.51	23.00
	1 (RB_Pos:3)	MIDDLE	16QAM	21.52	21.60	21.48	23.00
	1 (RB_Pos:5)	HIGH	16QAM	21.71	21.62	21.50	23.00
	3 (RB_Pos:0)	LOW	16QAM	21.42	21.57	21.40	23.00
	3 (RB_Pos:1)	MIDDLE	16QAM	21.56	21.56	21.44	23.00
	3 (RB_Pos:3)	HIGH	16QAM	21.50	21.50	21.43	23.00
	6 (RB_Pos:0)	LOW	16QAM	20.56	20.43	20.41	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.50	20.60	20.18	22.00
	1 (RB_Pos:3)	MIDDLE	64QAM	20.61	20.69	20.36	22.00
	1 (RB_Pos:5)	HIGH	64QAM	20.50	20.99	20.17	22.00
	3 (RB_Pos:0)	LOW	64QAM	20.35	20.61	20.62	22.00
	3 (RB_Pos:1)	MIDDLE	64QAM	20.38	20.77	20.36	22.00
	3 (RB_Pos:3)	HIGH	64QAM	20.26	20.60	20.29	22.00
	6 (RB_Pos:0)	LOW	64QAM	20.16	19.91	19.85	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19965	20175	20385	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	21.52	21.72	21.61	23.00
	1 (RB_Pos:8)	MIDDLE	QPSK	21.37	21.34	21.47	23.00
	1 (RB_Pos:14)	HIGH	QPSK	21.58	21.45	21.42	23.00
	8 (RB_Pos:0)	LOW	QPSK	21.78	21.56	21.76	23.00
	8 (RB_Pos:3)	MIDDLE	QPSK	21.67	21.64	21.54	23.00
	8 (RB_Pos:7)	HIGH	QPSK	21.53	21.57	21.67	23.00
	15 (RB_Pos:0)	LOW	QPSK	21.65	21.57	21.69	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.76	21.48	21.52	23.00
	1 (RB_Pos:8)	MIDDLE	16QAM	21.58	21.47	21.47	23.00
	1 (RB_Pos:14)	HIGH	16QAM	21.46	21.64	21.36	23.00
	8 (RB_Pos:0)	LOW	16QAM	20.48	20.54	20.37	22.00
	8 (RB_Pos:3)	MIDDLE	16QAM	20.64	20.56	20.50	22.00
	8 (RB_Pos:7)	HIGH	16QAM	20.58	20.57	20.31	22.00
	15 (RB_Pos:0)	LOW	16QAM	20.51	20.50	20.33	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.10	21.13	21.05	22.00
	1 (RB_Pos:8)	MIDDLE	64QAM	20.95	20.89	20.67	22.00

	1 (RB_Pos:14)	HIGH	64QAM	20.83	20.77	20.79	22.00
	8 (RB_Pos:0)	LOW	64QAM	19.95	20.07	20.09	21.00
	8 (RB_Pos:3)	MIDDLE	64QAM	20.24	20.09	19.90	21.00
	8 (RB_Pos:7)	HIGH	64QAM	19.95	20.05	19.88	21.00
	15 (RB_Pos:0)	LOW	64QAM	20.00	19.91	19.94	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19975	20175	20375	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	21.52	21.64	21.70	23.00
	1 (RB_Pos:13)	MIDDLE	QPSK	21.36	21.64	21.51	23.00
	1 (RB_Pos:24)	HIGH	QPSK	21.42	21.44	21.42	23.00
	12 (RB_Pos:0)	LOW	QPSK	21.49	21.59	21.72	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.65	21.62	21.48	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.54	21.47	21.46	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.61	21.61	21.64	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.80	21.53	21.57	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	21.50	21.51	21.42	23.00
	1 (RB_Pos:24)	HIGH	16QAM	21.62	21.68	21.56	23.00
	12 (RB_Pos:0)	LOW	16QAM	20.48	20.55	20.53	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.48	20.51	20.42	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.39	20.56	20.45	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.50	20.53	20.39	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.15	21.23	20.89	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.98	20.87	20.54	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.89	20.94	20.67	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.01	20.01	20.16	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.21	20.13	19.97	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.12	20.15	19.94	21.00
	25 (RB_Pos:0)	LOW	64QAM	19.94	19.96	19.97	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20000	20175	20350	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	21.60	21.65	21.60	23.00
	1 (RB_Pos:25)	MIDDLE	QPSK	21.41	21.42	21.30	23.00
	1 (RB_Pos:49)	HIGH	QPSK	21.65	21.55	21.45	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.65	21.72	21.66	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.64	21.68	21.69	23.00
	25 (RB_Pos:25)	HIGH	QPSK	21.71	21.65	21.69	23.00
	50 (RB_Pos:0)	LOW	QPSK	21.77	21.53	21.73	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.66	21.69	21.75	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.57	21.47	21.42	23.00
	1 (RB_Pos:49)	HIGH	16QAM	21.64	21.60	21.50	23.00
	25 (RB_Pos:0)	LOW	16QAM	20.53	20.64	20.52	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.49	20.42	20.39	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.55	20.55	20.44	22.00

	50 (RB_Pos:0)	LOW	16QAM	20.50	20.45	20.36	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.20	21.17	20.92	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.98	21.02	20.72	22.00
	1 (RB_Pos:49)	HIGH	64QAM	20.94	20.89	20.79	22.00
	25 (RB_Pos:0)	LOW	64QAM	19.95	19.90	20.13	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.30	20.08	19.96	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.14	20.14	19.89	21.00
	50 (RB_Pos:0)	LOW	64QAM	19.99	20.00	20.08	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20025	20175	20325	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	21.65	21.49	21.70	23.00
	1 (RB_Pos:38)	MIDDLE	QPSK	21.33	21.58	21.33	23.00
	1 (RB_Pos:74)	HIGH	QPSK	21.63	21.43	21.34	23.00
	36 (RB_Pos:0)	LOW	QPSK	21.70	21.52	21.48	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	21.69	21.56	21.62	23.00
	36 (RB_Pos:39)	HIGH	QPSK	21.45	21.76	21.55	23.00
	75 (RB_Pos:0)	LOW	QPSK	21.72	21.49	21.58	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.74	21.64	21.49	23.00
	1 (RB_Pos:38)	MIDDLE	16QAM	21.53	21.58	21.48	23.00
	1 (RB_Pos:74)	HIGH	16QAM	21.42	21.53	21.41	23.00
	36 (RB_Pos:0)	LOW	16QAM	20.49	20.48	20.53	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	20.47	20.53	20.38	22.00
	36 (RB_Pos:39)	HIGH	16QAM	20.50	20.54	20.33	22.00
	75 (RB_Pos:0)	LOW	16QAM	20.66	20.37	20.29	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.12	21.10	20.90	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	20.99	21.00	20.56	22.00
	1 (RB_Pos:74)	HIGH	64QAM	20.83	20.86	20.78	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.03	19.88	20.01	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.12	20.09	19.92	21.00
	36 (RB_Pos:39)	HIGH	64QAM	20.04	19.99	19.93	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.02	20.03	20.00	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20050	20175	20300	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	21.86	**21.88**	21.81	23.00
	1 (RB_Pos:50)	MIDDLE	QPSK	21.68	21.69	21.61	23.00
	1 (RB_Pos:99)	HIGH	QPSK	21.76	21.75	21.69	23.00
	50 (RB_Pos:0)	LOW	QPSK	21.84	21.82	21.83	23.00
	50 (RB_Pos:25)	MIDDLE	QPSK	21.90	21.96	21.77	23.00
	50 (RB_Pos:50)	HIGH	QPSK	21.78	21.81	21.80	23.00
	100 (RB_Pos:0)	LOW	QPSK	21.88	21.84	21.79	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.76	21.55	21.69	23.00
	1 (RB_Pos:50)	MIDDLE	16QAM	21.42	21.50	21.44	23.00
	1 (RB_Pos:99)	HIGH	16QAM	21.44	21.46	21.37	23.00

	50 (RB_Pos:0)	LOW	16QAM	20.52	20.51	20.41	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	20.53	20.59	20.33	22.00
	50 (RB_Pos:50)	HIGH	16QAM	20.41	20.50	20.41	22.00
	100 (RB_Pos:0)	LOW	16QAM	20.62	20.39	20.27	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.16	21.20	21.08	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	20.97	20.97	20.56	22.00
	1 (RB_Pos:99)	HIGH	64QAM	20.96	20.88	20.71	22.00
	50 (RB_Pos:0)	LOW	64QAM	19.96	20.04	20.12	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.26	20.00	19.97	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.06	20.01	19.96	21.00
	100 (RB_Pos:0)	LOW	64QAM	19.94	19.89	19.99	21.00

8.9.28 Power Reduced Level 5&6-ANT0 of LTE Band 4

FDD LTE Band 4							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19957	20175	20393	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	21.70	21.55	21.54	22.50
	1 (RB_Pos:3)	MIDDLE	QPSK	21.44	21.50	21.36	22.50
	1 (RB_Pos:5)	HIGH	QPSK	21.44	21.41	21.27	22.50
	3 (RB_Pos:0)	LOW	QPSK	21.64	21.65	21.58	22.50
	3 (RB_Pos:1)	MIDDLE	QPSK	21.75	21.65	21.72	22.50
	3 (RB_Pos:3)	HIGH	QPSK	21.50	21.68	21.41	22.50
	6 (RB_Pos:0)	LOW	QPSK	21.71	21.51	21.47	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.51	21.36	21.35	22.50
	1 (RB_Pos:3)	MIDDLE	16QAM	21.36	21.14	21.09	22.50
	1 (RB_Pos:5)	HIGH	16QAM	21.38	21.53	21.31	22.50
	3 (RB_Pos:0)	LOW	16QAM	21.39	21.19	21.20	22.50
	3 (RB_Pos:1)	MIDDLE	16QAM	21.26	21.12	21.02	22.50
	3 (RB_Pos:3)	HIGH	16QAM	21.18	21.43	21.45	22.50
	6 (RB_Pos:0)	LOW	16QAM	20.65	20.45	20.39	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.63	20.45	20.44	22.00
	1 (RB_Pos:3)	MIDDLE	64QAM	20.63	20.69	20.18	22.00
	1 (RB_Pos:5)	HIGH	64QAM	20.57	20.83	20.24	22.00
	3 (RB_Pos:0)	LOW	64QAM	20.44	20.95	20.18	22.00
	3 (RB_Pos:1)	MIDDLE	64QAM	20.22	20.60	20.59	22.00
	3 (RB_Pos:3)	HIGH	64QAM	20.24	20.81	20.40	22.00
	6 (RB_Pos:0)	LOW	64QAM	20.26	20.57	20.28	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19965	20175	20385	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	21.54	21.62	21.69	22.50
	1 (RB_Pos:8)	MIDDLE	QPSK	21.48	21.56	21.23	22.50
	1 (RB_Pos:14)	HIGH	QPSK	21.44	21.50	21.46	22.50

	8 (RB_Pos:0)	LOW	QPSK	21.69	21.68	21.59	22.50
	8 (RB_Pos:3)	MIDDLE	QPSK	21.77	21.69	21.71	22.50
	8 (RB_Pos:7)	HIGH	QPSK	21.66	21.58	21.56	22.50
	15 (RB_Pos:0)	LOW	QPSK	21.71	21.50	21.42	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.47	21.32	21.36	22.50
	1 (RB_Pos:8)	MIDDLE	16QAM	21.35	21.17	21.11	22.50
	1 (RB_Pos:14)	HIGH	16QAM	21.32	21.43	21.34	22.50
	8 (RB_Pos:0)	LOW	16QAM	20.58	20.56	20.50	22.00
	8 (RB_Pos:3)	MIDDLE	16QAM	20.58	20.39	20.41	22.00
	8 (RB_Pos:7)	HIGH	16QAM	20.46	20.50	20.45	22.00
	15 (RB_Pos:0)	LOW	16QAM	20.69	20.52	20.34	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.11	21.24	20.96	22.00
	1 (RB_Pos:8)	MIDDLE	64QAM	20.98	20.99	20.56	22.00
	1 (RB_Pos:14)	HIGH	64QAM	20.86	20.92	20.68	22.00
	8 (RB_Pos:0)	LOW	64QAM	19.95	20.03	20.04	21.00
	8 (RB_Pos:3)	MIDDLE	64QAM	20.25	20.12	19.97	21.00
	8 (RB_Pos:7)	HIGH	64QAM	19.98	20.00	19.95	21.00
	15 (RB_Pos:0)	LOW	64QAM	20.14	19.85	19.90	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			19975	20175	20375	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	21.51	21.59	21.50	22.50
	1 (RB_Pos:13)	MIDDLE	QPSK	21.36	21.48	21.24	22.50
	1 (RB_Pos:24)	HIGH	QPSK	21.34	21.52	21.31	22.50
	12 (RB_Pos:0)	LOW	QPSK	21.69	21.74	21.55	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.77	21.55	21.78	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.55	21.71	21.42	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.69	21.56	21.47	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.40	21.19	21.31	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.35	21.11	21.02	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.20	21.59	21.42	22.50
	12 (RB_Pos:0)	LOW	16QAM	20.51	20.59	20.38	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.60	20.55	20.41	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.40	20.49	20.28	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.56	20.42	20.39	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.16	21.23	21.01	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.91	20.85	20.64	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.87	20.94	20.72	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.10	19.91	20.08	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.21	20.13	19.95	21.00
	12 (RB_Pos:13)	HIGH	64QAM	19.96	20.16	19.83	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.10	19.88	19.89	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20000	20175	20350	Tune up limit (dBm)

10 MHz	1 (RB_Pos:0)	LOW	QPSK	21.64	21.59	21.55	22.50
	1 (RB_Pos:25)	MIDDLE	QPSK	21.37	21.56	21.31	22.50
	1 (RB_Pos:49)	HIGH	QPSK	21.50	21.56	21.46	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.69	21.63	21.63	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.75	21.49	21.71	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.49	21.57	21.46	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.77	21.55	21.45	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.55	21.30	21.37	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.27	21.09	21.03	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.34	21.62	21.34	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.44	20.67	20.43	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.53	20.51	20.39	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.50	20.49	20.33	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.66	20.50	20.35	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.19	21.17	21.01	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.85	21.01	20.52	22.00
	1 (RB_Pos:49)	HIGH	64QAM	20.89	20.85	20.65	22.00
	25 (RB_Pos:0)	LOW	64QAM	19.97	20.07	20.10	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.11	20.11	20.05	21.00
	25 (RB_Pos:25)	HIGH	64QAM	19.97	20.10	19.93	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.03	19.97	19.88	21.00

Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20025	20175	20325	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	21.55	21.52	21.65	22.50
	1 (RB_Pos:38)	MIDDLE	QPSK	21.34	21.43	21.26	22.50
	1 (RB_Pos:74)	HIGH	QPSK	21.53	21.45	21.36	22.50
	36 (RB_Pos:0)	LOW	QPSK	21.67	21.59	21.46	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.77	21.65	21.69	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.52	21.68	21.42	22.50
	75 (RB_Pos:0)	LOW	QPSK	21.69	21.45	21.47	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.40	21.30	21.35	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	21.32	21.18	21.01	22.50
	1 (RB_Pos:74)	HIGH	16QAM	21.23	21.51	21.36	22.50
	36 (RB_Pos:0)	LOW	16QAM	20.56	20.62	20.49	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	20.50	20.50	20.50	22.00
	36 (RB_Pos:39)	HIGH	16QAM	20.40	20.42	20.36	22.00
	75 (RB_Pos:0)	LOW	16QAM	20.68	20.45	20.40	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.20	21.17	20.96	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	20.92	21.00	20.63	22.00
	1 (RB_Pos:74)	HIGH	64QAM	20.95	20.77	20.63	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.01	20.03	20.04	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.25	20.14	19.93	21.00
	36 (RB_Pos:39)	HIGH	64QAM	19.99	20.10	19.84	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.00	19.87	19.96	21.00

Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20050	20175	20300	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	21.45	**21.46**	21.45	22.50
	1 (RB_Pos:50)	MIDDLE	QPSK	21.28	21.34	21.16	22.50
	1 (RB_Pos:99)	HIGH	QPSK	21.29	21.35	21.21	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.54	21.69	21.40	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.51	21.44	21.69	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.44	21.50	21.36	22.50
	100 (RB_Pos:0)	LOW	QPSK	21.54	21.39	21.34	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.31	21.12	21.13	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	21.12	20.96	20.90	22.50
	1 (RB_Pos:99)	HIGH	16QAM	21.13	21.37	21.21	22.50
	50 (RB_Pos:0)	LOW	16QAM	20.44	20.56	20.52	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	20.64	20.56	20.50	22.00
	50 (RB_Pos:50)	HIGH	16QAM	20.55	20.50	20.45	22.00
	100 (RB_Pos:0)	LOW	16QAM	20.66	20.36	20.32	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.22	21.07	21.04	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	20.94	20.97	20.56	22.00
	1 (RB_Pos:99)	HIGH	64QAM	20.94	20.87	20.61	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.05	20.00	20.12	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.27	20.08	19.88	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.14	20.05	19.93	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.13	19.84	19.96	21.00

8.9.29 Power Reduced Level 1&2&3-ANT1 of LTE Band 5

FDD LTE Band 5							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20407	20525	20643	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	22.01	21.93	21.95	23.30
	1 (RB_Pos:3)	MIDDLE	QPSK	21.80	21.83	22.04	23.30
	1 (RB_Pos:5)	HIGH	QPSK	21.88	21.92	21.98	23.30
	3 (RB_Pos:0)	LOW	QPSK	21.75	21.53	21.33	23.30
	3 (RB_Pos:1)	MIDDLE	QPSK	21.56	21.86	21.54	23.30
	3 (RB_Pos:3)	HIGH	QPSK	21.64	21.67	21.77	23.30
	6 (RB_Pos:0)	LOW	QPSK	21.81	21.66	21.60	23.30
	1 (RB_Pos:0)	LOW	16QAM	21.88	22.02	21.98	23.30
	1 (RB_Pos:3)	MIDDLE	16QAM	21.94	21.96	21.81	23.30
	1 (RB_Pos:5)	HIGH	16QAM	21.99	21.74	21.78	23.30
	3 (RB_Pos:0)	LOW	16QAM	22.01	21.77	22.11	23.30
	3 (RB_Pos:1)	MIDDLE	16QAM	21.76	21.84	21.82	23.30
	3 (RB_Pos:3)	HIGH	16QAM	21.92	21.97	22.02	23.30
	6 (RB_Pos:0)	LOW	16QAM	21.24	20.90	21.15	22.80

	1 (RB_Pos:0)	LOW	64QAM	21.25	21.12	20.89	22.80
	1 (RB_Pos:3)	MIDDLE	64QAM	21.12	21.41	20.85	22.80
	1 (RB_Pos:5)	HIGH	64QAM	21.29	21.35	20.98	22.80
	3 (RB_Pos:0)	LOW	64QAM	21.26	21.33	21.05	22.80
	3 (RB_Pos:1)	MIDDLE	64QAM	21.38	21.43	21.25	22.80
	3 (RB_Pos:3)	HIGH	64QAM	21.26	21.25	21.01	22.80
	6 (RB_Pos:0)	LOW	64QAM	20.73	20.33	20.70	22.30
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20415	20525	20635	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	21.91	21.92	22.07	23.30
	1 (RB_Pos:8)	MIDDLE	QPSK	21.99	21.92	21.81	23.30
	1 (RB_Pos:14)	HIGH	QPSK	21.81	21.86	22.02	23.30
	8 (RB_Pos:0)	LOW	QPSK	21.81	21.61	21.49	23.30
	8 (RB_Pos:3)	MIDDLE	QPSK	21.34	21.79	21.81	23.30
	8 (RB_Pos:7)	HIGH	QPSK	21.88	21.62	21.82	23.30
	15 (RB_Pos:0)	LOW	QPSK	21.95	21.65	21.41	23.30
	1 (RB_Pos:0)	LOW	16QAM	22.04	21.95	21.90	23.30
	1 (RB_Pos:8)	MIDDLE	16QAM	21.84	21.98	21.91	23.30
	1 (RB_Pos:14)	HIGH	16QAM	22.06	21.90	21.89	23.30
	8 (RB_Pos:0)	LOW	16QAM	21.24	21.31	21.26	22.80
	8 (RB_Pos:3)	MIDDLE	16QAM	21.19	21.20	21.18	22.80
	8 (RB_Pos:7)	HIGH	16QAM	21.14	21.11	21.19	22.80
	15 (RB_Pos:0)	LOW	16QAM	21.25	21.29	21.19	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.20	21.68	21.17	22.80
	1 (RB_Pos:8)	MIDDLE	64QAM	21.08	21.44	20.94	22.80
	1 (RB_Pos:14)	HIGH	64QAM	21.19	21.60	20.87	22.80
	8 (RB_Pos:0)	LOW	64QAM	20.54	20.85	20.72	22.30
	8 (RB_Pos:3)	MIDDLE	64QAM	20.75	20.61	20.85	22.30
	8 (RB_Pos:7)	HIGH	64QAM	20.75	20.77	20.66	22.30
	15 (RB_Pos:0)	LOW	64QAM	20.64	20.53	20.69	22.30
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20425	20525	20625	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	21.92	21.89	21.95	23.30
	1 (RB_Pos:13)	MIDDLE	QPSK	21.77	21.88	22.04	23.30
	1 (RB_Pos:24)	HIGH	QPSK	21.83	21.75	21.87	23.30
	12 (RB_Pos:0)	LOW	QPSK	21.66	21.71	21.38	23.30
	12 (RB_Pos:6)	MIDDLE	QPSK	21.56	21.58	21.60	23.30
	12 (RB_Pos:13)	HIGH	QPSK	21.82	21.46	21.80	23.30
	25 (RB_Pos:0)	LOW	QPSK	21.87	21.49	21.52	23.30
	1 (RB_Pos:0)	LOW	16QAM	22.07	22.02	21.91	23.30
	1 (RB_Pos:13)	MIDDLE	16QAM	21.75	21.96	21.84	23.30
	1 (RB_Pos:24)	HIGH	16QAM	22.00	21.86	21.87	23.30
	12 (RB_Pos:0)	LOW	16QAM	21.27	21.30	21.09	22.80

	12 (RB_Pos:6)	MIDDLE	16QAM	21.20	21.28	21.11	22.80
	12 (RB_Pos:13)	HIGH	16QAM	21.34	21.21	21.11	22.80
	25 (RB_Pos:0)	LOW	16QAM	21.27	21.26	21.12	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.04	21.70	21.17	22.80
	1 (RB_Pos:13)	MIDDLE	64QAM	21.05	21.30	20.89	22.80
	1 (RB_Pos:24)	HIGH	64QAM	21.14	21.59	20.91	22.80
	12 (RB_Pos:0)	LOW	64QAM	20.60	20.88	20.74	22.30
	12 (RB_Pos:6)	MIDDLE	64QAM	20.82	20.71	20.75	22.30
	12 (RB_Pos:13)	HIGH	64QAM	20.71	20.72	20.54	22.30
	25 (RB_Pos:0)	LOW	64QAM	20.81	20.58	20.68	22.30
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20450	20525	20600	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	**22.19**	22.08	**22.19**	23.30
	1 (RB_Pos:25)	MIDDLE	QPSK	22.05	22.10	22.12	23.30
	1 (RB_Pos:49)	HIGH	QPSK	22.14	22.02	22.08	23.30
	25 (RB_Pos:0)	LOW	QPSK	22.04	21.98	21.75	23.30
	25 (RB_Pos:12)	MIDDLE	QPSK	21.75	22.03	21.96	23.30
	25 (RB_Pos:25)	HIGH	QPSK	22.08	21.83	22.09	23.30
	50 (RB_Pos:0)	LOW	QPSK	22.12	21.81	22.16	23.30
	1 (RB_Pos:0)	LOW	16QAM	21.85	21.85	21.92	23.30
	1 (RB_Pos:25)	MIDDLE	16QAM	21.74	21.97	22.07	23.30
	1 (RB_Pos:49)	HIGH	16QAM	22.00	21.97	21.90	23.30
	25 (RB_Pos:0)	LOW	16QAM	21.23	21.32	21.17	22.80
	25 (RB_Pos:12)	MIDDLE	16QAM	21.21	21.24	21.24	22.80
	25 (RB_Pos:25)	HIGH	16QAM	21.34	21.15	21.29	22.80
	50 (RB_Pos:0)	LOW	16QAM	21.13	21.22	21.08	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.20	21.58	21.03	22.80
	1 (RB_Pos:25)	MIDDLE	64QAM	21.15	21.46	21.01	22.80
	1 (RB_Pos:49)	HIGH	64QAM	21.28	21.50	20.97	22.80
	25 (RB_Pos:0)	LOW	64QAM	20.64	20.75	20.75	22.30
	25 (RB_Pos:12)	MIDDLE	64QAM	20.83	20.70	20.72	22.30
	25 (RB_Pos:25)	HIGH	64QAM	20.76	20.73	20.68	22.30
	50 (RB_Pos:0)	LOW	64QAM	20.63	20.60	20.68	22.30

8.9.30 Power Reduced Level 1-ANT2 of LTE Band 7

FDD LTE Band 7							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20775	21100	21425	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	18.72	18.55	18.66	19.50
	1 (RB_Pos:13)	MIDDLE	QPSK	18.62	18.83	18.48	19.50
	1 (RB_Pos:24)	HIGH	QPSK	18.75	18.92	18.71	19.50
	12 (RB_Pos:0)	LOW	QPSK	18.94	18.84	18.72	19.50
	12 (RB_Pos:6)	MIDDLE	QPSK	18.84	18.92	18.81	19.50
	12 (RB_Pos:13)	HIGH	QPSK	18.84	18.90	18.66	19.50
	25 (RB_Pos:0)	LOW	QPSK	18.72	18.87	18.83	19.50
	1 (RB_Pos:0)	LOW	16QAM	18.68	18.54	18.61	19.50
	1 (RB_Pos:13)	MIDDLE	16QAM	18.80	18.65	18.38	19.50
	1 (RB_Pos:24)	HIGH	16QAM	18.90	18.65	18.69	19.50
	12 (RB_Pos:0)	LOW	16QAM	18.96	18.65	18.94	19.50
	12 (RB_Pos:6)	MIDDLE	16QAM	18.94	18.83	18.72	19.50
	12 (RB_Pos:13)	HIGH	16QAM	18.87	18.89	18.83	19.50
	25 (RB_Pos:0)	LOW	16QAM	18.87	18.90	18.87	19.50
	1 (RB_Pos:0)	LOW	64QAM	18.66	18.65	18.50	19.50
	1 (RB_Pos:13)	MIDDLE	64QAM	18.60	18.58	18.47	19.50
	1 (RB_Pos:24)	HIGH	64QAM	18.65	18.85	18.58	19.50
	12 (RB_Pos:0)	LOW	64QAM	18.53	18.62	18.70	19.50
	12 (RB_Pos:6)	MIDDLE	64QAM	18.50	18.55	18.68	19.50
	12 (RB_Pos:13)	HIGH	64QAM	18.50	18.70	18.48	19.50
	25 (RB_Pos:0)	LOW	64QAM	18.78	18.58	18.68	19.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20800	21100	21400	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	18.71	18.70	18.46	19.50
	1 (RB_Pos:25)	MIDDLE	QPSK	18.67	18.64	18.59	19.50
	1 (RB_Pos:49)	HIGH	QPSK	18.66	18.90	18.58	19.50
	25 (RB_Pos:0)	LOW	QPSK	18.66	18.78	18.93	19.50
	25 (RB_Pos:12)	MIDDLE	QPSK	18.88	18.66	18.78	19.50
	25 (RB_Pos:25)	HIGH	QPSK	18.77	19.00	18.91	19.50
	50 (RB_Pos:0)	LOW	QPSK	18.98	18.83	18.83	19.50
	1 (RB_Pos:0)	LOW	16QAM	18.78	18.74	18.47	19.50
	1 (RB_Pos:25)	MIDDLE	16QAM	18.64	18.73	18.42	19.50
	1 (RB_Pos:49)	HIGH	16QAM	18.68	18.90	18.45	19.50
	25 (RB_Pos:0)	LOW	16QAM	18.90	18.66	18.86	19.50
	25 (RB_Pos:12)	MIDDLE	16QAM	18.78	18.85	18.75	19.50
	25 (RB_Pos:25)	HIGH	16QAM	18.76	18.79	18.66	19.50
	50 (RB_Pos:0)	LOW	16QAM	18.83	18.90	18.74	19.50
	1 (RB_Pos:0)	LOW	64QAM	18.67	18.76	18.37	19.50
	1 (RB_Pos:25)	MIDDLE	64QAM	18.74	18.55	18.48	19.50

	1 (RB_Pos:49)	HIGH	64QAM	18.63	18.85	18.70	19.50
	25 (RB_Pos:0)	LOW	64QAM	18.45	18.57	18.58	19.50
	25 (RB_Pos:12)	MIDDLE	64QAM	18.54	18.50	18.58	19.50
	25 (RB_Pos:25)	HIGH	64QAM	18.49	18.70	18.41	19.50
	50 (RB_Pos:0)	LOW	64QAM	18.73	18.72	18.74	19.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20825	21100	21375	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	18.75	18.71	18.61	19.50
	1 (RB_Pos:38)	MIDDLE	QPSK	18.82	18.90	18.38	19.50
	1 (RB_Pos:74)	HIGH	QPSK	18.88	18.83	18.74	19.50
	36 (RB_Pos:0)	LOW	QPSK	18.77	18.82	18.80	19.50
	36 (RB_Pos:20)	MIDDLE	QPSK	18.98	18.92	18.64	19.50
	36 (RB_Pos:39)	HIGH	QPSK	18.76	18.87	18.64	19.50
	75 (RB_Pos:0)	LOW	QPSK	18.82	18.70	18.71	19.50
	1 (RB_Pos:0)	LOW	16QAM	18.86	18.52	18.73	19.50
	1 (RB_Pos:38)	MIDDLE	16QAM	18.61	18.66	18.63	19.50
	1 (RB_Pos:74)	HIGH	16QAM	18.62	18.71	18.73	19.50
	36 (RB_Pos:0)	LOW	16QAM	18.71	18.72	18.69	19.50
	36 (RB_Pos:20)	MIDDLE	16QAM	18.86	18.84	18.72	19.50
	36 (RB_Pos:39)	HIGH	16QAM	18.70	18.97	18.63	19.50
	75 (RB_Pos:0)	LOW	16QAM	18.73	18.77	18.77	19.50
	1 (RB_Pos:0)	LOW	64QAM	18.69	18.77	18.44	19.50
	1 (RB_Pos:38)	MIDDLE	64QAM	18.67	18.53	18.54	19.50
	1 (RB_Pos:74)	HIGH	64QAM	18.51	18.74	18.68	19.50
	36 (RB_Pos:0)	LOW	64QAM	18.62	18.68	18.64	19.50
	36 (RB_Pos:20)	MIDDLE	64QAM	18.56	18.53	18.50	19.50
	36 (RB_Pos:39)	HIGH	64QAM	18.66	18.77	18.40	19.50
	75 (RB_Pos:0)	LOW	64QAM	18.81	18.59	18.60	19.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20850	21100	21350	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	19.00	**19.07**	18.78	19.50
	1 (RB_Pos:50)	MIDDLE	QPSK	18.87	18.99	18.73	19.50
	1 (RB_Pos:99)	HIGH	QPSK	18.96	18.98	18.79	19.50
	50 (RB_Pos:0)	LOW	QPSK	19.01	18.97	18.99	19.50
	50 (RB_Pos:25)	MIDDLE	QPSK	19.06	19.08	18.99	19.50
	50 (RB_Pos:50)	HIGH	QPSK	19.01	19.05	18.97	19.50
	100 (RB_Pos:0)	LOW	QPSK	19.04	18.98	18.97	19.50
	1 (RB_Pos:0)	LOW	16QAM	18.86	18.64	18.48	19.50
	1 (RB_Pos:50)	MIDDLE	16QAM	18.66	18.80	18.66	19.50
	1 (RB_Pos:99)	HIGH	16QAM	18.78	18.71	18.57	19.50
	50 (RB_Pos:0)	LOW	16QAM	18.78	18.81	18.82	19.50
	50 (RB_Pos:25)	MIDDLE	16QAM	18.75	18.63	18.84	19.50
	50 (RB_Pos:50)	HIGH	16QAM	18.77	18.71	18.91	19.50

	100 (RB_Pos:0)	LOW	16QAM	18.83	18.68	18.70	19.50
	1 (RB_Pos:0)	LOW	64QAM	18.65	18.74	18.52	19.50
	1 (RB_Pos:50)	MIDDLE	64QAM	18.70	18.57	18.54	19.50
	1 (RB_Pos:99)	HIGH	64QAM	18.64	18.81	18.58	19.50
	50 (RB_Pos:0)	LOW	64QAM	18.58	18.56	18.63	19.50
	50 (RB_Pos:25)	MIDDLE	64QAM	18.56	18.55	18.62	19.50
	50 (RB_Pos:50)	HIGH	64QAM	18.55	18.71	18.37	19.50
	100 (RB_Pos:0)	LOW	64QAM	18.73	18.59	18.58	19.50

8.9.31 Power Reduced Level 2&3-ANT2 of LTE Band 7

FDD LTE Band 7							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20775	21100	21425	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	18.22	18.10	17.99	19.00
	1 (RB_Pos:13)	MIDDLE	QPSK	18.33	18.12	17.98	19.00
	1 (RB_Pos:24)	HIGH	QPSK	18.33	18.42	17.94	19.00
	12 (RB_Pos:0)	LOW	QPSK	18.45	18.37	18.38	19.00
	12 (RB_Pos:6)	MIDDLE	QPSK	18.21	18.24	18.26	19.00
	12 (RB_Pos:13)	HIGH	QPSK	18.23	18.38	18.22	19.00
	25 (RB_Pos:0)	LOW	QPSK	18.24	18.38	18.30	19.00
	1 (RB_Pos:0)	LOW	16QAM	18.15	18.17	18.05	19.00
	1 (RB_Pos:13)	MIDDLE	16QAM	18.22	18.38	17.94	19.00
	1 (RB_Pos:24)	HIGH	16QAM	18.16	18.39	18.01	19.00
	12 (RB_Pos:0)	LOW	16QAM	18.38	18.12	18.37	19.00
	12 (RB_Pos:6)	MIDDLE	16QAM	18.23	18.36	18.22	19.00
	12 (RB_Pos:13)	HIGH	16QAM	18.44	18.23	18.39	19.00
	25 (RB_Pos:0)	LOW	16QAM	18.34	18.22	18.27	19.00
	1 (RB_Pos:0)	LOW	64QAM	18.42	18.35	18.21	19.00
	1 (RB_Pos:13)	MIDDLE	64QAM	18.41	18.42	18.32	19.00
	1 (RB_Pos:24)	HIGH	64QAM	18.19	18.43	18.34	19.00
	12 (RB_Pos:0)	LOW	64QAM	18.12	18.33	18.19	19.00
	12 (RB_Pos:6)	MIDDLE	64QAM	18.15	18.16	18.10	19.00
	12 (RB_Pos:13)	HIGH	64QAM	18.26	18.30	18.01	19.00
	25 (RB_Pos:0)	LOW	64QAM	18.42	18.33	18.29	19.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20800	21100	21400	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	18.18	18.31	17.95	19.00
	1 (RB_Pos:25)	MIDDLE	QPSK	18.26	18.38	18.16	19.00
	1 (RB_Pos:49)	HIGH	QPSK	18.28	18.15	18.19	19.00
	25 (RB_Pos:0)	LOW	QPSK	18.21	18.28	18.36	19.00
	25 (RB_Pos:12)	MIDDLE	QPSK	18.22	18.43	18.28	19.00
	25 (RB_Pos:25)	HIGH	QPSK	18.41	18.18	18.36	19.00

	50 (RB_Pos:0)	LOW	QPSK	18.47	18.16	18.39	19.00
	1 (RB_Pos:0)	LOW	16QAM	18.09	18.31	18.06	19.00
	1 (RB_Pos:25)	MIDDLE	16QAM	18.30	18.34	17.95	19.00
	1 (RB_Pos:49)	HIGH	16QAM	18.20	18.24	18.10	19.00
	25 (RB_Pos:0)	LOW	16QAM	18.45	18.40	18.41	19.00
	25 (RB_Pos:12)	MIDDLE	16QAM	18.35	18.18	18.25	19.00
	25 (RB_Pos:25)	HIGH	16QAM	18.23	18.21	18.41	19.00
	50 (RB_Pos:0)	LOW	16QAM	18.21	18.35	18.24	19.00
	1 (RB_Pos:0)	LOW	64QAM	18.36	18.42	18.26	19.00
	1 (RB_Pos:25)	MIDDLE	64QAM	18.43	18.35	18.18	19.00
	1 (RB_Pos:49)	HIGH	64QAM	18.35	18.47	18.41	19.00
	25 (RB_Pos:0)	LOW	64QAM	18.18	18.31	18.26	19.00
	25 (RB_Pos:12)	MIDDLE	64QAM	18.25	18.04	18.12	19.00
	25 (RB_Pos:25)	HIGH	64QAM	18.27	18.36	18.03	19.00
	50 (RB_Pos:0)	LOW	64QAM	18.28	18.28	18.18	19.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20825	21100	21375	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	18.19	18.21	18.03	19.00
	1 (RB_Pos:38)	MIDDLE	QPSK	18.12	18.27	18.04	19.00
	1 (RB_Pos:74)	HIGH	QPSK	18.38	18.17	17.95	19.00
	36 (RB_Pos:0)	LOW	QPSK	18.42	18.12	18.23	19.00
	36 (RB_Pos:20)	MIDDLE	QPSK	18.44	18.32	18.29	19.00
	36 (RB_Pos:39)	HIGH	QPSK	18.18	18.31	18.24	19.00
	75 (RB_Pos:0)	LOW	QPSK	18.36	18.22	18.40	19.00
	1 (RB_Pos:0)	LOW	16QAM	18.24	18.09	18.10	19.00
	1 (RB_Pos:38)	MIDDLE	16QAM	18.20	18.10	17.91	19.00
	1 (RB_Pos:74)	HIGH	16QAM	18.10	18.38	18.14	19.00
	36 (RB_Pos:0)	LOW	16QAM	18.24	18.16	18.33	19.00
	36 (RB_Pos:20)	MIDDLE	16QAM	18.51	18.35	18.41	19.00
	36 (RB_Pos:39)	HIGH	16QAM	18.24	18.28	18.26	19.00
	75 (RB_Pos:0)	LOW	16QAM	18.47	18.29	18.28	19.00
	1 (RB_Pos:0)	LOW	64QAM	18.43	18.39	18.07	19.00
	1 (RB_Pos:38)	MIDDLE	64QAM	18.31	18.38	18.33	19.00
	1 (RB_Pos:74)	HIGH	64QAM	18.15	18.51	18.42	19.00
	36 (RB_Pos:0)	LOW	64QAM	18.05	18.16	18.12	19.00
	36 (RB_Pos:20)	MIDDLE	64QAM	18.25	18.02	18.17	19.00
	36 (RB_Pos:39)	HIGH	64QAM	18.22	18.28	18.02	19.00
	75 (RB_Pos:0)	LOW	64QAM	18.34	18.31	18.15	19.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			20850	21100	21350	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	18.44	18.36	18.28	19.00
	1 (RB_Pos:50)	MIDDLE	QPSK	18.39	18.43	18.25	19.00
	1 (RB_Pos:99)	HIGH	QPSK	18.45	**18.48**	18.29	19.00

	50 (RB_Pos:0)	LOW	QPSK	18.50	18.45	18.46	19.00
	50 (RB_Pos:25)	MIDDLE	QPSK	18.56	18.70	18.48	19.00
	50 (RB_Pos:50)	HIGH	QPSK	18.50	18.50	18.47	19.00
	100 (RB_Pos:0)	LOW	QPSK	18.53	18.46	18.48	19.00
	1 (RB_Pos:0)	LOW	16QAM	18.16	18.03	18.07	19.00
	1 (RB_Pos:50)	MIDDLE	16QAM	18.20	18.13	17.93	19.00
	1 (RB_Pos:99)	HIGH	16QAM	18.24	18.22	18.05	19.00
	50 (RB_Pos:0)	LOW	16QAM	18.20	18.38	18.40	19.00
	50 (RB_Pos:25)	MIDDLE	16QAM	18.26	18.45	18.14	19.00
	50 (RB_Pos:50)	HIGH	16QAM	18.28	18.39	18.37	19.00
	100 (RB_Pos:0)	LOW	16QAM	18.42	18.39	18.13	19.00
	1 (RB_Pos:0)	LOW	64QAM	18.34	18.45	18.10	19.00
	1 (RB_Pos:50)	MIDDLE	64QAM	18.30	18.31	18.25	19.00
	1 (RB_Pos:99)	HIGH	64QAM	18.26	18.40	18.41	19.00
	50 (RB_Pos:0)	LOW	64QAM	18.19	18.19	18.26	19.00
	50 (RB_Pos:25)	MIDDLE	64QAM	18.30	18.15	18.27	19.00
	50 (RB_Pos:50)	HIGH	64QAM	18.27	18.35	17.96	19.00
	100 (RB_Pos:0)	LOW	64QAM	18.32	18.30	18.22	19.00

8.9.32 Power Reduced Level 1-ANT1 of LTE Band 12

FDD LTE Band 12							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23017	23095	23173	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	21.67	21.55	21.60	23.00
	1 (RB_Pos:3)	MIDDLE	QPSK	21.72	21.56	21.73	23.00
	1 (RB_Pos:5)	HIGH	QPSK	21.53	21.50	21.45	23.00
	3 (RB_Pos:0)	LOW	QPSK	21.46	21.53	21.57	23.00
	3 (RB_Pos:1)	MIDDLE	QPSK	21.41	21.41	21.37	23.00
	3 (RB_Pos:3)	HIGH	QPSK	21.42	21.58	21.42	23.00
	6 (RB_Pos:0)	LOW	QPSK	21.42	21.52	21.41	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.53	21.84	21.42	23.00
	1 (RB_Pos:3)	MIDDLE	16QAM	21.27	21.80	21.54	23.00
	1 (RB_Pos:5)	HIGH	16QAM	21.44	21.70	21.39	23.00
	3 (RB_Pos:0)	LOW	16QAM	21.45	21.60	21.59	23.00
	3 (RB_Pos:1)	MIDDLE	16QAM	21.45	21.47	21.66	23.00
	3 (RB_Pos:3)	HIGH	16QAM	21.44	21.58	21.40	23.00
	6 (RB_Pos:0)	LOW	16QAM	20.53	20.21	20.54	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.67	20.75	20.36	22.00
	1 (RB_Pos:3)	MIDDLE	64QAM	20.46	20.72	20.41	22.00
	1 (RB_Pos:5)	HIGH	64QAM	20.55	20.69	20.52	22.00
	3 (RB_Pos:0)	LOW	64QAM	20.42	20.37	20.40	22.00
	3 (RB_Pos:1)	MIDDLE	64QAM	20.49	20.47	20.54	22.00
	3 (RB_Pos:3)	HIGH	64QAM	20.53	20.39	20.52	22.00

	6 (RB_Pos:0)	LOW	64QAM	20.10	19.65	20.13	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23025	23095	23165	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	21.83	21.74	21.71	23.00
	1 (RB_Pos:8)	MIDDLE	QPSK	21.58	21.63	21.66	23.00
	1 (RB_Pos:14)	HIGH	QPSK	21.77	21.62	21.65	23.00
	8 (RB_Pos:0)	LOW	QPSK	21.47	21.45	21.44	23.00
	8 (RB_Pos:3)	MIDDLE	QPSK	21.50	21.48	21.48	23.00
	8 (RB_Pos:7)	HIGH	QPSK	21.47	21.46	21.47	23.00
	15 (RB_Pos:0)	LOW	QPSK	21.61	21.61	21.43	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.50	21.79	21.39	23.00
	1 (RB_Pos:8)	MIDDLE	16QAM	21.33	21.89	21.38	23.00
	1 (RB_Pos:14)	HIGH	16QAM	21.34	21.81	21.35	23.00
	8 (RB_Pos:0)	LOW	16QAM	20.49	20.61	20.55	22.00
	8 (RB_Pos:3)	MIDDLE	16QAM	20.45	20.60	20.47	22.00
	8 (RB_Pos:7)	HIGH	16QAM	20.45	20.60	20.53	22.00
	15 (RB_Pos:0)	LOW	16QAM	20.38	20.49	20.56	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.32	20.82	20.41	22.00
	1 (RB_Pos:8)	MIDDLE	64QAM	20.24	20.87	20.48	22.00
	1 (RB_Pos:14)	HIGH	64QAM	20.27	20.71	20.40	22.00
	8 (RB_Pos:0)	LOW	64QAM	20.15	20.12	19.92	21.50
	8 (RB_Pos:3)	MIDDLE	64QAM	20.04	20.13	20.10	21.50
	8 (RB_Pos:7)	HIGH	64QAM	19.80	20.18	20.06	21.50
	15 (RB_Pos:0)	LOW	64QAM	20.00	20.13	19.80	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23035	23095	23155	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	21.69	21.73	21.65	23.00
	1 (RB_Pos:13)	MIDDLE	QPSK	21.54	21.59	21.60	23.00
	1 (RB_Pos:24)	HIGH	QPSK	21.55	21.66	21.74	23.00
	12 (RB_Pos:0)	LOW	QPSK	21.43	21.43	21.52	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.48	21.42	21.42	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.33	21.38	21.33	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.61	21.48	21.55	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.46	21.80	21.48	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	21.44	21.71	21.34	23.00
	1 (RB_Pos:24)	HIGH	16QAM	21.43	21.73	21.38	23.00
	12 (RB_Pos:0)	LOW	16QAM	20.62	20.45	20.57	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.55	20.49	20.54	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.56	20.58	20.45	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.37	20.64	20.43	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.27	20.70	20.30	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.27	20.75	20.39	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.33	20.73	20.38	22.00

	12 (RB_Pos:0)	LOW	64QAM	20.17	20.03	20.04	21.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.05	20.22	20.16	21.50
	12 (RB_Pos:13)	HIGH	64QAM	19.95	20.19	20.14	21.50
	25 (RB_Pos:0)	LOW	64QAM	19.98	20.19	19.89	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23060	23095	23130	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	21.89	21.81	**21.91**	23.00
	1 (RB_Pos:25)	MIDDLE	QPSK	21.81	21.86	21.84	23.00
	1 (RB_Pos:49)	HIGH	QPSK	21.83	21.74	21.79	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.45	21.56	21.45	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.48	21.56	21.58	23.00
	25 (RB_Pos:25)	HIGH	QPSK	21.39	21.53	21.42	23.00
	50 (RB_Pos:0)	LOW	QPSK	21.43	21.46	21.42	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.38	21.82	21.43	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.42	21.84	21.48	23.00
	1 (RB_Pos:49)	HIGH	16QAM	21.40	21.72	21.36	23.00
	25 (RB_Pos:0)	LOW	16QAM	20.52	20.59	20.67	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.59	20.63	20.55	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.43	20.46	20.53	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.41	20.52	20.47	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.39	20.74	20.46	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.18	20.82	20.48	22.00
	1 (RB_Pos:49)	HIGH	64QAM	20.38	20.63	20.35	22.00
	25 (RB_Pos:0)	LOW	64QAM	19.98	20.04	19.97	21.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.07	20.26	20.17	21.50
	25 (RB_Pos:25)	HIGH	64QAM	19.91	20.17	20.11	21.50
	50 (RB_Pos:0)	LOW	64QAM	19.93	20.23	19.95	21.50

8.9.33 Power Reduced Level 2&3-ANT1 of LTE Band 12

FDD LTE Band 12							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23017	23095	23173	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	20.98	21.02	20.96	22.50
	1 (RB_Pos:3)	MIDDLE	QPSK	21.03	21.06	20.93	22.50
	1 (RB_Pos:5)	HIGH	QPSK	21.00	20.91	20.91	22.50
	3 (RB_Pos:0)	LOW	QPSK	21.07	21.27	21.03	22.50
	3 (RB_Pos:1)	MIDDLE	QPSK	21.32	21.07	21.12	22.50
	3 (RB_Pos:3)	HIGH	QPSK	21.24	21.29	21.02	22.50
	6 (RB_Pos:0)	LOW	QPSK	21.20	21.25	21.01	22.50
	1 (RB_Pos:0)	LOW	16QAM	20.96	20.91	21.16	22.50
	1 (RB_Pos:3)	MIDDLE	16QAM	21.01	21.12	20.95	22.50
	1 (RB_Pos:5)	HIGH	16QAM	21.10	21.03	21.12	22.50

	3 (RB_Pos:0)	LOW	16QAM	21.00	20.98	21.25	22.50
	3 (RB_Pos:1)	MIDDLE	16QAM	20.89	20.95	21.13	22.50
	3 (RB_Pos:3)	HIGH	16QAM	21.14	21.12	21.10	22.50
	6 (RB_Pos:0)	LOW	16QAM	20.49	20.31	20.56	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.52	20.61	20.40	22.00
	1 (RB_Pos:3)	MIDDLE	64QAM	20.47	20.66	20.28	22.00
	1 (RB_Pos:5)	HIGH	64QAM	20.53	20.58	20.38	22.00
	3 (RB_Pos:0)	LOW	64QAM	20.59	20.55	20.43	22.00
	3 (RB_Pos:1)	MIDDLE	64QAM	20.49	20.60	20.48	22.00
	3 (RB_Pos:3)	HIGH	64QAM	20.52	20.53	20.46	22.00
	6 (RB_Pos:0)	LOW	64QAM	20.10	19.55	20.10	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23025	23095	23165	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	21.22	20.99	21.15	22.50
	1 (RB_Pos:8)	MIDDLE	QPSK	21.12	21.03	21.16	22.50
	1 (RB_Pos:14)	HIGH	QPSK	21.10	20.93	20.95	22.50
	8 (RB_Pos:0)	LOW	QPSK	21.21	21.15	21.20	22.50
	8 (RB_Pos:3)	MIDDLE	QPSK	21.15	21.09	21.09	22.50
	8 (RB_Pos:7)	HIGH	QPSK	21.02	21.01	21.20	22.50
	15 (RB_Pos:0)	LOW	QPSK	21.17	21.09	21.27	22.50
	1 (RB_Pos:0)	LOW	16QAM	20.95	21.14	21.12	22.50
	1 (RB_Pos:8)	MIDDLE	16QAM	21.01	20.99	21.04	22.50
	1 (RB_Pos:14)	HIGH	16QAM	21.04	21.11	21.01	22.50
	8 (RB_Pos:0)	LOW	16QAM	20.69	20.80	20.75	22.00
	8 (RB_Pos:3)	MIDDLE	16QAM	20.79	20.84	20.72	22.00
	8 (RB_Pos:7)	HIGH	16QAM	20.65	20.70	20.66	22.00
	15 (RB_Pos:0)	LOW	16QAM	20.72	20.71	20.66	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.52	20.87	20.64	22.00
	1 (RB_Pos:8)	MIDDLE	64QAM	20.53	21.03	20.54	22.00
	1 (RB_Pos:14)	HIGH	64QAM	20.58	20.79	20.59	22.00
	8 (RB_Pos:0)	LOW	64QAM	20.26	20.23	20.15	21.50
	8 (RB_Pos:3)	MIDDLE	64QAM	20.27	20.43	20.28	21.50
	8 (RB_Pos:7)	HIGH	64QAM	20.04	20.26	20.42	21.50
	15 (RB_Pos:0)	LOW	64QAM	20.06	20.44	20.00	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23035	23095	23155	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	20.97	20.88	21.07	22.50
	1 (RB_Pos:13)	MIDDLE	QPSK	20.89	21.21	21.09	22.50
	1 (RB_Pos:24)	HIGH	QPSK	21.02	20.97	20.97	22.50
	12 (RB_Pos:0)	LOW	QPSK	21.32	21.22	21.12	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.34	21.03	21.25	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.26	21.06	21.07	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.16	21.10	21.15	22.50

	1 (RB_Pos:0)	LOW	16QAM	20.99	21.02	20.96	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	20.95	20.96	21.15	22.50
	1 (RB_Pos:24)	HIGH	16QAM	20.94	20.88	21.12	22.50
	12 (RB_Pos:0)	LOW	16QAM	20.76	20.84	20.70	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.73	20.89	20.79	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.77	20.72	20.83	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.76	20.81	20.61	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.56	20.91	20.47	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.51	21.03	20.69	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.43	20.85	20.48	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.30	20.26	20.23	21.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.19	20.34	20.40	21.50
	12 (RB_Pos:13)	HIGH	64QAM	19.98	20.35	20.43	21.50
	25 (RB_Pos:0)	LOW	64QAM	20.11	20.46	19.99	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23060	23095	23130	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	21.30	21.19	**21.31**	22.50
	1 (RB_Pos:25)	MIDDLE	QPSK	21.21	21.27	21.23	22.50
	1 (RB_Pos:49)	HIGH	QPSK	21.29	21.22	21.23	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.37	21.37	21.32	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.39	21.32	21.39	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.35	21.36	21.35	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.43	21.35	21.32	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.07	21.11	21.19	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.15	20.96	21.12	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.08	21.11	20.89	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.79	20.80	20.74	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.67	20.78	20.82	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.60	20.63	20.79	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.58	20.82	20.70	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.56	21.02	20.53	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.52	21.11	20.54	22.00
	1 (RB_Pos:49)	HIGH	64QAM	20.56	20.93	20.61	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.18	20.31	20.25	21.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.31	20.38	20.27	21.50
	25 (RB_Pos:25)	HIGH	64QAM	20.15	20.27	20.34	21.50
	50 (RB_Pos:0)	LOW	64QAM	20.16	20.31	20.16	21.50

8.9.34 Power Reduced Level 2&3-ANT1 of LTE Band 17

FDD LTE Band 17							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23755	23790	23825	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.08	21.96	21.83	23.50
	1 (RB_Pos:13)	MIDDLE	QPSK	22.18	22.00	21.93	23.50
	1 (RB_Pos:24)	HIGH	QPSK	21.91	22.05	22.07	23.50
	12 (RB_Pos:0)	LOW	QPSK	21.42	21.42	21.49	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.47	21.50	21.35	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.44	21.48	21.61	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.40	21.52	21.36	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.53	21.79	21.38	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	21.41	21.91	21.38	23.00
	1 (RB_Pos:24)	HIGH	16QAM	21.29	21.75	21.51	23.00
	12 (RB_Pos:0)	LOW	16QAM	20.51	20.53	20.63	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.54	20.49	20.56	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.59	20.64	20.61	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.52	20.60	20.50	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.65	20.80	20.31	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.52	20.91	20.58	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.37	20.62	20.55	22.00
	12 (RB_Pos:0)	LOW	64QAM	19.85	20.03	20.12	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.22	20.03	20.00	21.00
	12 (RB_Pos:13)	HIGH	64QAM	19.85	20.11	20.10	21.00
	25 (RB_Pos:0)	LOW	64QAM	19.94	19.92	19.85	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			23780	23790	23800	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.21	22.21	22.15	23.50
	1 (RB_Pos:25)	MIDDLE	QPSK	22.24	**22.26**	22.16	23.50
	1 (RB_Pos:49)	HIGH	QPSK	22.19	22.14	22.18	23.50
	25 (RB_Pos:0)	LOW	QPSK	21.34	21.37	21.55	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.42	21.44	21.36	23.00
	25 (RB_Pos:25)	HIGH	QPSK	21.53	21.58	21.51	23.00
	50 (RB_Pos:0)	LOW	QPSK	21.38	21.50	21.33	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.52	21.78	21.47	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.29	21.89	21.47	23.00
	1 (RB_Pos:49)	HIGH	16QAM	21.38	21.86	21.46	23.00
	25 (RB_Pos:0)	LOW	16QAM	20.41	20.43	20.56	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.59	20.59	20.48	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.57	20.51	20.63	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.37	20.44	20.50	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.47	20.63	20.22	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.42	20.93	20.48	22.00

	1 (RB_Pos:49)	HIGH	64QAM	20.35	20.59	20.63	22.00
	25 (RB_Pos:0)	LOW	64QAM	19.94	20.13	20.22	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.18	20.17	20.05	21.00
	25 (RB_Pos:25)	HIGH	64QAM	19.88	20.06	20.05	21.00
	50 (RB_Pos:0)	LOW	64QAM	19.81	19.82	19.89	21.00

8.9.35 Power Reduced Level 1-ANT1 of LTE Band 26

FDD LTE Band 26							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26697	26865	27033	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	22.14	21.84	21.75	23.30
	1 (RB_Pos:3)	MIDDLE	QPSK	21.81	21.97	21.85	23.30
	1 (RB_Pos:5)	HIGH	QPSK	21.90	21.92	21.64	23.30
	3 (RB_Pos:0)	LOW	QPSK	21.82	22.06	21.84	23.30
	3 (RB_Pos:1)	MIDDLE	QPSK	22.00	21.81	21.73	23.30
	3 (RB_Pos:3)	HIGH	QPSK	21.78	22.01	21.97	23.30
	6 (RB_Pos:0)	LOW	QPSK	22.01	21.94	21.84	23.30
	1 (RB_Pos:0)	LOW	16QAM	21.96	21.90	21.86	23.30
	1 (RB_Pos:3)	MIDDLE	16QAM	21.82	21.80	21.72	23.30
	1 (RB_Pos:5)	HIGH	16QAM	21.78	21.74	21.82	23.30
	3 (RB_Pos:0)	LOW	16QAM	21.35	21.37	21.35	23.30
	3 (RB_Pos:1)	MIDDLE	16QAM	21.32	21.36	21.43	23.30
	3 (RB_Pos:3)	HIGH	16QAM	21.35	21.36	21.39	23.30
	6 (RB_Pos:0)	LOW	16QAM	21.35	21.21	21.34	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.52	21.51	21.21	22.80
	1 (RB_Pos:3)	MIDDLE	64QAM	21.59	21.52	21.04	22.80
	1 (RB_Pos:5)	HIGH	64QAM	21.56	21.63	20.92	22.80
	3 (RB_Pos:0)	LOW	64QAM	21.34	21.35	21.11	22.80
	3 (RB_Pos:1)	MIDDLE	64QAM	21.42	21.43	21.06	22.80
	3 (RB_Pos:3)	HIGH	64QAM	21.35	21.33	21.09	22.80
	6 (RB_Pos:0)	LOW	64QAM	20.93	20.67	20.84	21.80
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26705	26865	27025	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.12	21.94	21.81	23.30
	1 (RB_Pos:8)	MIDDLE	QPSK	22.08	21.74	21.76	23.30
	1 (RB_Pos:14)	HIGH	QPSK	21.81	21.74	21.68	23.30
	8 (RB_Pos:0)	LOW	QPSK	21.88	21.79	21.83	23.30
	8 (RB_Pos:3)	MIDDLE	QPSK	22.07	21.97	21.73	23.30
	8 (RB_Pos:7)	HIGH	QPSK	21.86	21.95	21.80	23.30
	15 (RB_Pos:0)	LOW	QPSK	21.94	21.78	22.02	23.30
	1 (RB_Pos:0)	LOW	16QAM	21.96	21.85	21.87	23.30
	1 (RB_Pos:8)	MIDDLE	16QAM	21.83	21.87	21.96	23.30

	1 (RB_Pos:14)	HIGH	16QAM	21.89	21.70	21.78	23.30
	8 (RB_Pos:0)	LOW	16QAM	21.32	21.29	21.19	22.80
	8 (RB_Pos:3)	MIDDLE	16QAM	21.20	21.24	21.04	22.80
	8 (RB_Pos:7)	HIGH	16QAM	21.21	21.25	21.07	22.80
	15 (RB_Pos:0)	LOW	16QAM	21.25	21.25	21.26	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.28	21.75	21.57	22.80
	1 (RB_Pos:8)	MIDDLE	64QAM	21.22	21.69	21.89	22.80
	1 (RB_Pos:14)	HIGH	64QAM	20.83	21.53	21.46	22.80
	8 (RB_Pos:0)	LOW	64QAM	20.98	20.81	20.87	21.80
	8 (RB_Pos:3)	MIDDLE	64QAM	20.82	20.64	20.80	21.80
	8 (RB_Pos:7)	HIGH	64QAM	20.85	20.77	20.53	21.80
	15 (RB_Pos:0)	LOW	64QAM	20.80	20.69	20.73	21.80
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26715	26865	27015	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	21.93	21.80	21.92	23.30
	1 (RB_Pos:13)	MIDDLE	QPSK	21.78	21.76	21.96	23.30
	1 (RB_Pos:24)	HIGH	QPSK	21.76	21.89	21.73	23.30
	12 (RB_Pos:0)	LOW	QPSK	22.02	21.94	22.00	23.30
	12 (RB_Pos:6)	MIDDLE	QPSK	21.90	21.89	21.82	23.30
	12 (RB_Pos:13)	HIGH	QPSK	21.90	21.91	21.90	23.30
	25 (RB_Pos:0)	LOW	QPSK	21.80	22.02	22.01	23.30
	1 (RB_Pos:0)	LOW	16QAM	22.02	21.96	21.79	23.30
	1 (RB_Pos:13)	MIDDLE	16QAM	21.96	21.96	21.98	23.30
	1 (RB_Pos:24)	HIGH	16QAM	22.06	21.69	21.80	23.30
	12 (RB_Pos:0)	LOW	16QAM	21.28	21.30	21.17	22.80
	12 (RB_Pos:6)	MIDDLE	16QAM	21.35	21.35	21.07	22.80
	12 (RB_Pos:13)	HIGH	16QAM	21.34	21.31	21.16	22.80
	25 (RB_Pos:0)	LOW	16QAM	21.22	21.27	21.11	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.13	21.79	21.66	22.80
	1 (RB_Pos:13)	MIDDLE	64QAM	21.36	21.61	21.77	22.80
	1 (RB_Pos:24)	HIGH	64QAM	20.89	21.63	21.48	22.80
	12 (RB_Pos:0)	LOW	64QAM	20.96	20.81	20.68	21.80
	12 (RB_Pos:6)	MIDDLE	64QAM	20.82	20.67	20.68	21.80
	12 (RB_Pos:13)	HIGH	64QAM	20.88	20.85	20.48	21.80
	25 (RB_Pos:0)	LOW	64QAM	20.96	20.71	20.81	21.80
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26740	26865	26990	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	21.99	21.96	22.02	23.30
	1 (RB_Pos:25)	MIDDLE	QPSK	21.92	21.76	21.76	23.30
	1 (RB_Pos:49)	HIGH	QPSK	22.03	21.94	21.77	23.30
	25 (RB_Pos:0)	LOW	QPSK	21.99	21.89	21.96	23.30
	25 (RB_Pos:12)	MIDDLE	QPSK	21.98	21.81	21.76	23.30
	25 (RB_Pos:25)	HIGH	QPSK	21.80	21.93	21.88	23.30

	50 (RB_Pos:0)	LOW	QPSK	22.04	21.85	22.00	23.30
	1 (RB_Pos:0)	LOW	16QAM	22.12	21.87	21.87	23.30
	1 (RB_Pos:25)	MIDDLE	16QAM	21.78	21.75	21.79	23.30
	1 (RB_Pos:49)	HIGH	16QAM	21.91	21.84	21.82	23.30
	25 (RB_Pos:0)	LOW	16QAM	21.27	21.34	21.24	22.80
	25 (RB_Pos:12)	MIDDLE	16QAM	21.15	21.26	21.21	22.80
	25 (RB_Pos:25)	HIGH	16QAM	21.26	21.27	21.08	22.80
	50 (RB_Pos:0)	LOW	16QAM	21.23	21.25	21.10	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.26	21.87	21.65	22.80
	1 (RB_Pos:25)	MIDDLE	64QAM	21.22	21.65	21.78	22.80
	1 (RB_Pos:49)	HIGH	64QAM	20.82	21.58	21.52	22.80
	25 (RB_Pos:0)	LOW	64QAM	20.88	20.83	20.68	21.80
	25 (RB_Pos:12)	MIDDLE	64QAM	20.64	20.69	20.72	21.80
	25 (RB_Pos:25)	HIGH	64QAM	21.03	20.71	20.67	21.80
	50 (RB_Pos:0)	LOW	64QAM	20.84	20.71	20.87	21.80

Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26765	26865	26965	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.22	**22.24**	22.08	23.30
	1 (RB_Pos:38)	MIDDLE	QPSK	22.13	22.09	22.03	23.30
	1 (RB_Pos:74)	HIGH	QPSK	22.11	22.03	21.95	23.30
	36 (RB_Pos:0)	LOW	QPSK	22.24	22.24	22.22	23.30
	36 (RB_Pos:20)	MIDDLE	QPSK	22.28	22.28	22.13	23.30
	36 (RB_Pos:39)	HIGH	QPSK	22.22	22.19	22.13	23.30
	75 (RB_Pos:0)	LOW	QPSK	22.25	22.17	22.18	23.30
	1 (RB_Pos:0)	LOW	16QAM	22.00	21.88	21.87	23.30
	1 (RB_Pos:38)	MIDDLE	16QAM	21.78	21.82	21.73	23.30
	1 (RB_Pos:74)	HIGH	16QAM	21.88	21.97	21.84	23.30
	36 (RB_Pos:0)	LOW	16QAM	21.26	21.31	21.23	22.80
	36 (RB_Pos:20)	MIDDLE	16QAM	21.33	21.27	21.07	22.80
	36 (RB_Pos:39)	HIGH	16QAM	21.38	21.25	21.23	22.80
	75 (RB_Pos:0)	LOW	16QAM	21.20	21.37	21.22	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.28	21.85	21.73	22.80
	1 (RB_Pos:38)	MIDDLE	64QAM	21.36	21.70	21.70	22.80
	1 (RB_Pos:74)	HIGH	64QAM	20.99	21.47	21.39	22.80
	36 (RB_Pos:0)	LOW	64QAM	21.01	20.80	20.86	21.80
	36 (RB_Pos:20)	MIDDLE	64QAM	20.81	20.73	20.76	21.80
	36 (RB_Pos:39)	HIGH	64QAM	20.92	20.76	20.64	21.80
	75 (RB_Pos:0)	LOW	64QAM	20.79	20.83	20.89	21.80

8.9.36 Power Reduced Level 2&3-ANT1 of LTE Band 26

FDD LTE Band 26							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26697	26865	27033	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	21.27	21.19	21.19	22.80
	1 (RB_Pos:3)	MIDDLE	QPSK	21.33	21.22	21.20	22.80
	1 (RB_Pos:5)	HIGH	QPSK	21.17	21.28	21.08	22.80
	3 (RB_Pos:0)	LOW	QPSK	21.37	21.51	21.22	22.80
	3 (RB_Pos:1)	MIDDLE	QPSK	21.40	21.27	21.42	22.80
	3 (RB_Pos:3)	HIGH	QPSK	21.27	21.28	21.45	22.80
	6 (RB_Pos:0)	LOW	QPSK	21.47	21.46	21.54	22.80
	1 (RB_Pos:0)	LOW	16QAM	21.37	21.31	21.41	22.80
	1 (RB_Pos:3)	MIDDLE	16QAM	21.43	21.22	21.42	22.80
	1 (RB_Pos:5)	HIGH	16QAM	21.43	21.25	21.33	22.80
	3 (RB_Pos:0)	LOW	16QAM	21.45	21.45	21.29	22.80
	3 (RB_Pos:1)	MIDDLE	16QAM	21.49	21.54	21.36	22.80
	3 (RB_Pos:3)	HIGH	16QAM	21.51	21.42	21.39	22.80
	6 (RB_Pos:0)	LOW	16QAM	21.44	21.18	21.26	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.50	21.65	21.20	22.80
	1 (RB_Pos:3)	MIDDLE	64QAM	21.47	21.44	21.17	22.80
	1 (RB_Pos:5)	HIGH	64QAM	21.46	21.54	21.01	22.80
	3 (RB_Pos:0)	LOW	64QAM	21.51	21.39	21.17	22.80
	3 (RB_Pos:1)	MIDDLE	64QAM	21.57	21.42	21.24	22.80
	3 (RB_Pos:3)	HIGH	64QAM	21.34	21.20	21.05	22.80
	6 (RB_Pos:0)	LOW	64QAM	20.99	20.71	20.85	21.80
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26705	26865	27025	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	21.25	21.41	21.38	22.80
	1 (RB_Pos:8)	MIDDLE	QPSK	21.21	21.18	21.27	22.80
	1 (RB_Pos:14)	HIGH	QPSK	21.33	21.30	21.07	22.80
	8 (RB_Pos:0)	LOW	QPSK	21.44	21.53	21.23	22.80
	8 (RB_Pos:3)	MIDDLE	QPSK	21.52	21.46	21.18	22.80
	8 (RB_Pos:7)	HIGH	QPSK	21.51	21.35	21.23	22.80
	15 (RB_Pos:0)	LOW	QPSK	21.38	21.25	21.49	22.80
	1 (RB_Pos:0)	LOW	16QAM	21.35	21.33	21.22	22.80
	1 (RB_Pos:8)	MIDDLE	16QAM	21.45	21.13	21.32	22.80
	1 (RB_Pos:14)	HIGH	16QAM	21.33	21.34	21.25	22.80
	8 (RB_Pos:0)	LOW	16QAM	21.49	21.43	21.46	22.80
	8 (RB_Pos:3)	MIDDLE	16QAM	21.37	21.45	21.44	22.80
	8 (RB_Pos:7)	HIGH	16QAM	21.60	21.52	21.28	22.80
	15 (RB_Pos:0)	LOW	16QAM	21.52	21.46	21.49	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.44	21.91	21.86	22.80
	1 (RB_Pos:8)	MIDDLE	64QAM	21.53	21.91	21.90	22.80

	1 (RB_Pos:14)	HIGH	64QAM	21.19	21.69	21.62	22.80
	8 (RB_Pos:0)	LOW	64QAM	21.19	20.92	21.08	21.80
	8 (RB_Pos:3)	MIDDLE	64QAM	20.95	20.81	20.95	21.80
	8 (RB_Pos:7)	HIGH	64QAM	21.17	20.96	20.69	21.80
	15 (RB_Pos:0)	LOW	64QAM	21.07	20.93	21.01	21.80
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26715	26865	27015	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	21.43	21.42	21.42	22.80
	1 (RB_Pos:13)	MIDDLE	QPSK	21.19	21.28	21.36	22.80
	1 (RB_Pos:24)	HIGH	QPSK	21.44	21.35	21.10	22.80
	12 (RB_Pos:0)	LOW	QPSK	21.44	21.36	21.24	22.80
	12 (RB_Pos:6)	MIDDLE	QPSK	21.58	21.21	21.22	22.80
	12 (RB_Pos:13)	HIGH	QPSK	21.32	21.43	21.23	22.80
	25 (RB_Pos:0)	LOW	QPSK	21.54	21.35	21.44	22.80
	1 (RB_Pos:0)	LOW	16QAM	21.45	21.40	21.33	22.80
	1 (RB_Pos:13)	MIDDLE	16QAM	21.18	21.08	21.16	22.80
	1 (RB_Pos:24)	HIGH	16QAM	21.25	21.22	21.15	22.80
	12 (RB_Pos:0)	LOW	16QAM	21.49	21.61	21.45	22.80
	12 (RB_Pos:6)	MIDDLE	16QAM	21.54	21.58	21.26	22.80
	12 (RB_Pos:13)	HIGH	16QAM	21.57	21.43	21.44	22.80
	25 (RB_Pos:0)	LOW	16QAM	21.47	21.41	21.31	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.47	22.03	21.86	22.80
	1 (RB_Pos:13)	MIDDLE	64QAM	21.61	21.72	22.07	22.80
	1 (RB_Pos:24)	HIGH	64QAM	21.20	21.73	21.72	22.80
	12 (RB_Pos:0)	LOW	64QAM	21.07	20.94	20.96	21.80
	12 (RB_Pos:6)	MIDDLE	64QAM	21.03	20.82	20.85	21.80
	12 (RB_Pos:13)	HIGH	64QAM	21.22	21.03	20.80	21.80
	25 (RB_Pos:0)	LOW	64QAM	21.13	20.88	20.96	21.80
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26740	26865	26990	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	21.39	21.32	21.25	22.80
	1 (RB_Pos:25)	MIDDLE	QPSK	21.27	21.15	21.22	22.80
	1 (RB_Pos:49)	HIGH	QPSK	21.31	21.24	21.03	22.80
	25 (RB_Pos:0)	LOW	QPSK	21.49	21.49	21.36	22.80
	25 (RB_Pos:12)	MIDDLE	QPSK	21.48	21.26	21.25	22.80
	25 (RB_Pos:25)	HIGH	QPSK	21.42	21.30	21.44	22.80
	50 (RB_Pos:0)	LOW	QPSK	21.35	21.41	21.40	22.80
	1 (RB_Pos:0)	LOW	16QAM	21.30	21.39	21.23	22.80
	1 (RB_Pos:25)	MIDDLE	16QAM	21.34	21.19	21.27	22.80
	1 (RB_Pos:49)	HIGH	16QAM	21.27	21.27	21.25	22.80
	25 (RB_Pos:0)	LOW	16QAM	21.58	21.59	21.42	22.80
	25 (RB_Pos:12)	MIDDLE	16QAM	21.43	21.50	21.26	22.80
	25 (RB_Pos:25)	HIGH	16QAM	21.47	21.58	21.26	22.80

	50 (RB_Pos:0)	LOW	16QAM	21.45	21.48	21.31	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.39	22.06	21.85	22.80
	1 (RB_Pos:25)	MIDDLE	64QAM	21.53	21.82	22.05	22.80
	1 (RB_Pos:49)	HIGH	64QAM	21.02	21.84	21.59	22.80
	25 (RB_Pos:0)	LOW	64QAM	21.20	20.95	21.08	21.80
	25 (RB_Pos:12)	MIDDLE	64QAM	20.90	20.83	20.88	21.80
	25 (RB_Pos:25)	HIGH	64QAM	21.14	21.01	20.78	21.80
	50 (RB_Pos:0)	LOW	64QAM	21.02	20.90	20.97	21.80
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			26765	26865	26965	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	21.55	**21.58**	21.52	22.80
	1 (RB_Pos:38)	MIDDLE	QPSK	21.50	21.42	21.47	22.80
	1 (RB_Pos:74)	HIGH	QPSK	21.51	21.47	21.38	22.80
	36 (RB_Pos:0)	LOW	QPSK	21.61	21.58	21.57	22.80
	36 (RB_Pos:20)	MIDDLE	QPSK	21.65	21.67	21.52	22.80
	36 (RB_Pos:39)	HIGH	QPSK	21.61	21.58	21.56	22.80
	75 (RB_Pos:0)	LOW	QPSK	21.65	21.53	21.59	22.80
	1 (RB_Pos:0)	LOW	16QAM	21.28	21.33	21.26	22.80
	1 (RB_Pos:38)	MIDDLE	16QAM	21.30	21.08	21.15	22.80
	1 (RB_Pos:74)	HIGH	16QAM	21.32	21.17	21.10	22.80
	36 (RB_Pos:0)	LOW	16QAM	21.60	21.43	21.30	22.80
	36 (RB_Pos:20)	MIDDLE	16QAM	21.45	21.57	21.40	22.80
	36 (RB_Pos:39)	HIGH	16QAM	21.48	21.46	21.36	22.80
	75 (RB_Pos:0)	LOW	16QAM	21.46	21.41	21.46	22.80
	1 (RB_Pos:0)	LOW	64QAM	21.45	21.94	21.74	22.80
	1 (RB_Pos:38)	MIDDLE	64QAM	21.48	21.91	22.00	22.80
	1 (RB_Pos:74)	HIGH	64QAM	21.05	21.78	21.71	22.80
	36 (RB_Pos:0)	LOW	64QAM	21.22	21.01	20.93	21.80
	36 (RB_Pos:20)	MIDDLE	64QAM	21.02	20.76	20.92	21.80
	36 (RB_Pos:39)	HIGH	64QAM	21.24	20.89	20.76	21.80
	75 (RB_Pos:0)	LOW	64QAM	21.14	21.02	20.95	21.80

8.9.37 Power Reduced Level 1-ANT2 of LTE Band 38

TDD LTE Band 38							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			37775	38000	38225	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	21.96	21.93	21.83	22.50
	1 (RB_Pos:13)	MIDDLE	QPSK	21.98	22.05	21.93	22.50
	1 (RB_Pos:24)	HIGH	QPSK	21.98	22.01	21.84	22.50
	12 (RB_Pos:0)	LOW	QPSK	21.99	21.96	21.95	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	22.01	22.08	21.96	22.50
	12 (RB_Pos:13)	HIGH	QPSK	22.02	22.03	21.92	22.50
	25 (RB_Pos:0)	LOW	QPSK	22.04	22.00	21.90	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.63	21.71	21.84	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.72	21.70	21.56	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.64	21.55	21.51	22.50
	12 (RB_Pos:0)	LOW	16QAM	20.88	20.91	20.84	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.71	20.75	21.08	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.86	20.93	21.06	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.71	20.72	20.82	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.15	20.99	21.25	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	21.05	21.11	21.15	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.78	20.96	21.02	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.43	20.47	20.50	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.19	20.13	20.55	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.38	20.32	20.49	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.41	20.31	20.32	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			37800	38000	38200	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	21.93	21.88	21.97	22.50
	1 (RB_Pos:25)	MIDDLE	QPSK	21.85	21.92	21.90	22.50
	1 (RB_Pos:49)	HIGH	QPSK	21.96	21.89	21.92	22.50
	25 (RB_Pos:0)	LOW	QPSK	22.02	22.00	21.93	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	22.07	21.99	22.00	22.50
	25 (RB_Pos:25)	HIGH	QPSK	22.03	22.05	21.95	22.50
	50 (RB_Pos:0)	LOW	QPSK	22.05	21.99	21.88	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.73	21.58	21.59	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.75	21.78	21.60	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.51	21.67	21.58	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.90	20.96	20.94	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.78	20.74	21.08	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.81	20.85	21.03	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.76	20.83	20.89	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.14	20.95	21.33	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	21.04	21.01	21.28	22.00

	1 (RB_Pos:49)	HIGH	64QAM	20.92	20.93	21.14	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.41	20.53	20.58	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.25	20.18	20.51	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.40	20.32	20.41	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.41	20.27	20.34	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			37825	38000	38175	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	21.80	21.84	21.90	22.50
	1 (RB_Pos:38)	MIDDLE	QPSK	21.78	21.88	21.86	22.50
	1 (RB_Pos:74)	HIGH	QPSK	21.80	21.86	21.83	22.50
	36 (RB_Pos:0)	LOW	QPSK	21.98	22.00	21.92	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.99	21.96	21.87	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.98	22.01	21.92	22.50
	75 (RB_Pos:0)	LOW	QPSK	22.03	21.94	21.86	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.63	21.73	21.67	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	21.48	21.62	21.72	22.50
	1 (RB_Pos:74)	HIGH	16QAM	21.76	21.52	21.77	22.50
	36 (RB_Pos:0)	LOW	16QAM	20.83	21.02	20.90	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	20.72	20.92	21.08	22.00
	36 (RB_Pos:39)	HIGH	16QAM	20.82	20.92	20.94	22.00
	75 (RB_Pos:0)	LOW	16QAM	20.79	20.73	20.98	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.07	20.89	21.29	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.14	21.08	21.28	22.00
	1 (RB_Pos:74)	HIGH	64QAM	20.86	20.98	20.98	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.33	20.55	20.62	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.26	20.17	20.51	21.00
	36 (RB_Pos:39)	HIGH	64QAM	20.42	20.31	20.42	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.43	20.27	20.46	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			37850	38000	38150	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	21.85	21.86	21.90	22.50
	1 (RB_Pos:50)	MIDDLE	QPSK	21.83	21.83	21.88	22.50
	1 (RB_Pos:99)	HIGH	QPSK	**21.96**	21.82	21.85	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.95	21.99	21.95	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	22.04	21.98	22.03	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.98	22.02	21.95	22.50
	100 (RB_Pos:0)	LOW	QPSK	22.01	21.96	21.98	22.50
	1 (RB_Pos:0)	LOW	16QAM	22.31	22.18	22.35	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	22.17	22.12	22.29	22.50
	1 (RB_Pos:99)	HIGH	16QAM	22.15	22.16	22.27	22.50
	50 (RB_Pos:0)	LOW	16QAM	20.83	20.84	20.92	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	20.69	20.88	20.96	22.00
	50 (RB_Pos:50)	HIGH	16QAM	20.82	20.90	20.86	22.00

	100 (RB_Pos:0)	LOW	16QAM	20.85	20.80	21.00	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.13	21.01	21.28	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	21.14	21.05	21.31	22.00
	1 (RB_Pos:99)	HIGH	64QAM	20.81	21.05	21.00	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.42	20.44	20.45	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.12	20.21	20.57	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.44	20.32	20.37	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.27	20.36	20.33	21.00

8.9.38 Power Reduced Level 2&3-ANT2 of LTE Band 38

TDD LTE Band 38							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			37775	38000	38225	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	21.38	21.38	21.36	22.00
	1 (RB_Pos:13)	MIDDLE	QPSK	21.39	21.45	21.38	22.00
	1 (RB_Pos:24)	HIGH	QPSK	21.35	21.45	21.37	22.00
	12 (RB_Pos:0)	LOW	QPSK	21.48	21.39	21.42	22.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.49	21.49	21.45	22.00
	12 (RB_Pos:13)	HIGH	QPSK	21.44	21.48	21.37	22.00
	25 (RB_Pos:0)	LOW	QPSK	21.46	21.44	21.36	22.00
	1 (RB_Pos:0)	LOW	16QAM	21.06	21.17	21.21	22.00
	1 (RB_Pos:13)	MIDDLE	16QAM	21.17	21.21	21.02	22.00
	1 (RB_Pos:24)	HIGH	16QAM	21.15	21.02	21.08	22.00
	12 (RB_Pos:0)	LOW	16QAM	20.83	20.98	20.94	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.82	20.89	21.08	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.87	20.90	20.91	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.80	20.84	20.97	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.01	21.03	21.37	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.99	21.06	21.26	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.89	21.05	21.15	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.37	20.60	20.54	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.11	20.14	20.49	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.49	20.34	20.55	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.29	20.17	20.38	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			37800	38000	38200	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	21.41	21.37	21.46	22.00
	1 (RB_Pos:25)	MIDDLE	QPSK	21.34	21.37	21.36	22.00
	1 (RB_Pos:49)	HIGH	QPSK	21.36	21.36	21.33	22.00
	25 (RB_Pos:0)	LOW	QPSK	21.46	21.44	21.38	22.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.49	21.44	21.45	22.00
	25 (RB_Pos:25)	HIGH	QPSK	21.44	21.47	21.44	22.00

	50 (RB_Pos:0)	LOW	QPSK	21.48	21.43	21.38	22.00
	1 (RB_Pos:0)	LOW	16QAM	21.13	20.97	21.13	22.00
	1 (RB_Pos:25)	MIDDLE	16QAM	20.98	21.23	21.11	22.00
	1 (RB_Pos:49)	HIGH	16QAM	21.22	21.17	21.09	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.84	20.83	20.93	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.87	20.91	20.98	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.69	20.95	20.87	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.79	20.83	20.98	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.98	20.89	21.20	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	21.17	21.10	21.32	22.00
	1 (RB_Pos:49)	HIGH	64QAM	20.80	20.92	21.02	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.29	20.48	20.46	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.24	20.15	20.51	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.41	20.33	20.39	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.44	20.32	20.50	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			37825	38000	38175	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	21.32	21.37	21.35	22.00
	1 (RB_Pos:38)	MIDDLE	QPSK	21.26	21.35	21.27	22.00
	1 (RB_Pos:74)	HIGH	QPSK	21.24	21.30	21.28	22.00
	36 (RB_Pos:0)	LOW	QPSK	21.51	21.44	21.39	22.00
	36 (RB_Pos:20)	MIDDLE	QPSK	21.43	21.43	21.35	22.00
	36 (RB_Pos:39)	HIGH	QPSK	21.45	21.44	21.42	22.00
	75 (RB_Pos:0)	LOW	QPSK	21.47	21.41	21.37	22.00
	1 (RB_Pos:0)	LOW	16QAM	21.25	21.23	21.03	22.00
	1 (RB_Pos:38)	MIDDLE	16QAM	21.12	20.99	21.05	22.00
	1 (RB_Pos:74)	HIGH	16QAM	21.18	20.93	21.05	22.00
	36 (RB_Pos:0)	LOW	16QAM	20.80	20.97	20.86	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	20.69	20.77	20.89	22.00
	36 (RB_Pos:39)	HIGH	16QAM	20.75	20.85	20.96	22.00
	75 (RB_Pos:0)	LOW	16QAM	20.73	20.81	20.88	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.12	20.99	21.37	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.02	20.98	21.28	22.00
	1 (RB_Pos:74)	HIGH	64QAM	20.81	21.05	20.97	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.39	20.53	20.51	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.20	20.27	20.43	21.00
	36 (RB_Pos:39)	HIGH	64QAM	20.42	20.31	20.53	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.27	20.18	20.42	21.00
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			37850	38000	38150	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	**21.38**	21.29	21.36	22.00
	1 (RB_Pos:50)	MIDDLE	QPSK	21.29	21.28	21.32	22.00
	1 (RB_Pos:99)	HIGH	QPSK	21.29	21.26	21.28	22.00

	50 (RB_Pos:0)	LOW	QPSK	21.44	21.44	21.41	22.00
	50 (RB_Pos:25)	MIDDLE	QPSK	21.49	21.42	21.46	22.00
	50 (RB_Pos:50)	HIGH	QPSK	21.44	21.45	21.40	22.00
	100 (RB_Pos:0)	LOW	QPSK	21.46	21.43	21.45	22.00
	1 (RB_Pos:0)	LOW	16QAM	21.02	21.04	21.06	22.00
	1 (RB_Pos:50)	MIDDLE	16QAM	21.03	20.94	21.25	22.00
	1 (RB_Pos:99)	HIGH	16QAM	21.05	21.00	21.20	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.81	20.83	21.00	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	20.81	20.84	21.03	22.00
	50 (RB_Pos:50)	HIGH	16QAM	20.87	20.85	20.90	22.00
	100 (RB_Pos:0)	LOW	16QAM	20.79	20.77	20.92	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.98	20.90	21.38	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	21.13	21.09	21.28	22.00
	1 (RB_Pos:99)	HIGH	64QAM	20.86	21.10	21.10	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.31	20.56	20.59	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.20	20.29	20.53	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.46	20.24	20.35	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.38	20.17	20.33	21.00

8.9.39 Power Reduced Level 1&2&3-ANT2 of LTE Band 41

TDD LTE Band 41							
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			40165	40765	41215	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	21.21	21.22	21.16	22.00
	1 (RB_Pos:13)	MIDDLE	QPSK	21.06	21.02	21.09	22.00
	1 (RB_Pos:24)	HIGH	QPSK	21.00	20.89	21.05	22.00
	12 (RB_Pos:0)	LOW	QPSK	21.16	21.09	21.18	22.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.18	21.02	20.97	22.00
	12 (RB_Pos:13)	HIGH	QPSK	21.19	21.13	21.10	22.00
	25 (RB_Pos:0)	LOW	QPSK	21.16	21.04	20.95	22.00
	1 (RB_Pos:0)	LOW	16QAM	21.13	21.38	21.09	22.00
	1 (RB_Pos:13)	MIDDLE	16QAM	21.05	20.96	20.87	22.00
	1 (RB_Pos:24)	HIGH	16QAM	21.05	20.85	21.08	22.00
	12 (RB_Pos:0)	LOW	16QAM	21.05	21.11	21.25	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	21.09	20.99	21.06	22.00
	12 (RB_Pos:13)	HIGH	16QAM	21.05	20.98	20.93	22.00
	25 (RB_Pos:0)	LOW	16QAM	21.27	21.14	21.03	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.15	21.30	21.05	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	21.18	20.89	20.95	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.96	20.86	21.19	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.87	21.01	21.04	21.50
	12 (RB_Pos:6)	MIDDLE	64QAM	21.02	20.68	21.02	21.50
	12 (RB_Pos:13)	HIGH	64QAM	20.77	20.82	20.92	21.50

	25 (RB_Pos:0)	LOW	64QAM	21.10	21.00	21.04	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			40190	40765	41190	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	21.13	21.24	21.02	22.00
	1 (RB_Pos:25)	MIDDLE	QPSK	21.09	20.95	20.96	22.00
	1 (RB_Pos:49)	HIGH	QPSK	21.13	21.12	20.99	22.00
	25 (RB_Pos:0)	LOW	QPSK	21.07	21.17	21.07	22.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.21	20.80	21.04	22.00
	25 (RB_Pos:25)	HIGH	QPSK	20.97	20.98	21.02	22.00
	50 (RB_Pos:0)	LOW	QPSK	21.24	21.17	21.18	22.00
	1 (RB_Pos:0)	LOW	16QAM	21.25	21.27	21.02	22.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.17	20.94	21.01	22.00
	1 (RB_Pos:49)	HIGH	16QAM	20.99	20.88	21.18	22.00
	25 (RB_Pos:0)	LOW	16QAM	21.16	21.13	20.98	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.98	21.03	21.17	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.98	21.10	20.98	22.00
	50 (RB_Pos:0)	LOW	16QAM	21.29	21.23	20.96	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.06	21.41	21.10	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	21.24	20.93	20.95	22.00
	1 (RB_Pos:49)	HIGH	64QAM	20.98	21.04	21.15	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.98	20.99	20.83	21.50
	25 (RB_Pos:12)	MIDDLE	64QAM	21.04	20.66	20.95	21.50
	25 (RB_Pos:25)	HIGH	64QAM	20.90	20.92	20.70	21.50
	50 (RB_Pos:0)	LOW	64QAM	20.92	20.86	21.00	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			40215	40765	41165	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	21.34	21.37	21.03	22.00
	1 (RB_Pos:38)	MIDDLE	QPSK	21.17	20.96	20.87	22.00
	1 (RB_Pos:74)	HIGH	QPSK	20.91	20.97	21.16	22.00
	36 (RB_Pos:0)	LOW	QPSK	21.28	20.99	20.96	22.00
	36 (RB_Pos:20)	MIDDLE	QPSK	20.98	20.92	21.05	22.00
	36 (RB_Pos:39)	HIGH	QPSK	21.24	20.96	20.88	22.00
	75 (RB_Pos:0)	LOW	QPSK	21.30	21.19	20.99	22.00
	1 (RB_Pos:0)	LOW	16QAM	21.15	21.37	21.16	22.00
	1 (RB_Pos:38)	MIDDLE	16QAM	21.20	20.92	21.01	22.00
	1 (RB_Pos:74)	HIGH	16QAM	21.01	20.96	21.13	22.00
	36 (RB_Pos:0)	LOW	16QAM	21.14	21.10	21.11	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	21.03	20.95	21.07	22.00
	36 (RB_Pos:39)	HIGH	16QAM	21.19	20.91	20.89	22.00
	75 (RB_Pos:0)	LOW	16QAM	21.10	21.14	21.08	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.22	21.25	21.05	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.06	20.93	21.00	22.00
	1 (RB_Pos:74)	HIGH	64QAM	20.89	21.06	21.09	22.00

	36 (RB_Pos:0)	LOW	64QAM	21.15	20.75	20.91	21.50
	36 (RB_Pos:20)	MIDDLE	64QAM	20.85	20.77	20.95	21.50
	36 (RB_Pos:39)	HIGH	64QAM	20.90	20.73	20.76	21.50
	75 (RB_Pos:0)	LOW	64QAM	20.95	20.90	20.79	21.50
Bandwidth (MHz)	RB Set	RB offest	Modulation	Power (dBm)			
	Channel			40240	40765	41140	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	21.30	**21.31**	21.20	22.00
	1 (RB_Pos:50)	MIDDLE	QPSK	21.20	21.10	21.10	22.00
	1 (RB_Pos:99)	HIGH	QPSK	21.10	21.10	21.20	22.00
	50 (RB_Pos:0)	LOW	QPSK	21.21	21.28	21.20	22.00
	50 (RB_Pos:25)	MIDDLE	QPSK	21.20	21.29	21.20	22.00
	50 (RB_Pos:50)	HIGH	QPSK	21.20	21.10	21.10	22.00
	100 (RB_Pos:0)	LOW	QPSK	21.22	21.20	21.20	22.00
	1 (RB_Pos:0)	LOW	16QAM	21.14	21.30	21.07	22.00
	1 (RB_Pos:50)	MIDDLE	16QAM	21.25	20.92	21.12	22.00
	1 (RB_Pos:99)	HIGH	16QAM	21.02	20.96	21.15	22.00
	50 (RB_Pos:0)	LOW	16QAM	21.13	21.23	21.13	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	20.97	20.82	21.14	22.00
	50 (RB_Pos:50)	HIGH	16QAM	21.00	20.88	21.00	22.00
	100 (RB_Pos:0)	LOW	16QAM	21.32	21.00	21.19	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.35	21.31	21.22	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	21.01	20.95	20.89	22.00
	1 (RB_Pos:99)	HIGH	64QAM	21.05	21.10	21.03	22.00
	50 (RB_Pos:0)	LOW	64QAM	21.06	20.90	20.98	21.50
	50 (RB_Pos:25)	MIDDLE	64QAM	20.76	20.64	20.86	21.50
	50 (RB_Pos:50)	HIGH	64QAM	20.92	20.94	20.69	21.50
	100 (RB_Pos:0)	LOW	64QAM	21.14	20.75	21.00	21.50

8.9.40 Power Reduced Level 1-ANT2 of 2CA_Band 7

LTE Uplink 2CA_Band 7										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	99	1	0	2	18.74	19.50
21100	21298	20	QPSK	1	99	1	0	2	18.78	19.50
21350	21152	20	QPSK	1	0	1	99	2	18.69	19.50

8.9.41 Power Reduced Level 2&3-ANT2 of 2CA_Band 7

LTE Uplink 2CA_Band 7										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	99	1	0	2	18.15	19.00
21100	21298	20	QPSK	1	99	1	0	2	18.18	19.00
21350	21152	20	QPSK	1	0	1	99	2	18.09	19.00

8.9.42 Power Reduced Level 1-ANT2 of Downlink 2CA_Band 7

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
7C	7	20M	21100	2535	50	24	3100	2655	7	20M	2902	2515.2	19.08	18.87

8.9.43 Power Reduced Level 2&3-ANT2 of Downlink 2CA_Band 7

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
7C	7	20M	21100	2535	50	24	3100	2655	7	20M	2902	2515.2	18.70	18.51

8.9.44 Power Reduced Level 1 of 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.31	18.00	No
		6	2437	**16.65**	18.00	Yes
		11	2462	16.12	18.00	No
	802.11g	1	2412	16.42	18.00	No
		6	2437	17.13	18.00	No
		11	2462	16.38	18.00	No
	802.11n(HT20)	1	2412	16.30	18.00	No
		6	2437	16.57	18.00	No
		11	2462	16.26	18.00	No

8.9.45 Power Reduced Level 2&3 of 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.25	14.00	No
		6	2437	**12.51**	14.00	Yes
		11	2462	12.31	14.00	No
	802.11g	1	2412	12.23	14.00	No
		6	2437	13.15	14.00	No
		11	2462	12.20	14.00	No
	802.11n(HT20)	1	2412	12.32	14.00	No
		6	2437	12.66	14.00	No
		11	2462	12.28	14.00	No

8.9.46 Power Reduced Level 1 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.08	15.00	No
		44	5220	13.64	15.00	No
		48	5240	13.65	15.00	No
	802.11n(HT20)	36	5180	13.27	15.00	No
		44	5220	13.02	15.00	No
		48	5240	13.07	15.00	No
	802.11n(HT40)	38	5190	13.28	15.00	No
		46	5230	13.17	15.00	No
	802.11ac(VHT20)	36	5180	13.09	15.00	No
		44	5220	13.07	15.00	No
		48	5240	13.09	15.00	No
	802.11ac(VHT40)	38	5190	13.27	15.00	No
		46	5230	13.49	15.00	No
	802.11ac(VHT80)	42	5210	13.49	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	13.21	15.00	No
		60	5300	13.84	15.00	No
		64	5320	14.18	15.00	No
	802.11n(HT20)	52	5260	13.02	15.00	No
		60	5300	13.58	15.00	No
		64	5320	13.05	15.00	No
	802.11n(HT40)	54	5270	13.38	15.00	No
		62	5310	13.11	15.00	No
	802.11ac(VHT20)	52	5260	13.03	15.00	No
		60	5300	13.61	15.00	No
		64	5320	14.08	15.00	No
	802.11ac(VHT40)	54	5270	13.91	15.00	No
		62	5310	13.42	15.00	No
	802.11ac(VHT80)	58	5290	**14.21**	15.00	Yes
5.6 (5.47~5.725)	802.11a	100	5500	14.98	16.00	No
		116	5580	14.53	16.00	No
		140	5700	14.27	16.00	No
	802.11n(HT20)	100	5500	14.15	16.00	No
		116	5580	14.31	16.00	No
		140	5700	14.44	16.00	No
	802.11n(HT40)	102	5510	14.13	16.00	No
		118	5590	14.10	16.00	No
		134	5670	14.13	16.00	No
		142	5710	14.12	16.00	No

	802.11ac(VHT20)	100	5500	14.31	16.00	No
		116	5580	14.12	16.00	No
		140	5700	14.10	16.00	No
	802.11ac(VHT40)	102	5510	14.05	16.00	No
		118	5590	14.32	16.00	No
		134	5670	14.12	16.00	No
		142	5710	14.10	16.00	No
	802.11ac(VHT80)	106	5530	14.62	16.00	Yes
		122	5610	14.88	16.00	Yes
		138	5690	**15.04**	16.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	14.13	15.50	No
		157	5785	14.02	15.50	No
		165	5825	13.79	15.50	No
	802.11n(HT20)	149	5745	13.65	15.50	No
		157	5785	13.51	15.50	No
		165	5825	14.08	15.50	No
	802.11n(HT40)	151	5755	14.06	15.50	No
		159	5795	13.52	15.50	No
	802.11ac(VHT20)	149	5745	13.63	15.50	No
		157	5785	13.55	15.50	No
		165	5825	13.58	15.50	No
	802.11ac(VHT40)	151	5755	14.25	15.50	No
		159	5795	13.73	15.50	No
	802.11ac(VHT80)	155	5775	**14.08**	15.50	Yes

8.9.47 Power Reduced Level 2&3 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	9.12	11.00	No
		44	5220	9.76	11.00	No
		48	5240	9.59	11.00	No
	802.11n(HT20)	36	5180	9.23	11.00	No
		44	5220	9.43	11.00	No
		48	5240	9.52	11.00	No
	802.11n(HT40)	38	5190	9.43	11.00	No
		46	5230	9.97	11.00	No
	802.11ac(VHT20)	36	5180	9.13	11.00	No
		44	5220	9.52	11.00	No
		48	5240	9.74	11.00	No
	802.11ac(VHT40)	38	5190	9.10	11.00	No
		46	5230	9.46	11.00	No
	802.11ac(VHT80)	42	5210	9.13	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	9.25	11.00	No
		60	5300	9.80	11.00	No
		64	5320	9.83	11.00	No
	802.11n(HT20)	52	5260	9.05	11.00	No
		60	5300	9.51	11.00	No
		64	5320	9.54	11.00	No
	802.11n(HT40)	54	5270	9.47	11.00	No
		62	5310	9.61	11.00	No
	802.11ac(VHT20)	52	5260	9.44	11.00	No
		60	5300	9.73	11.00	No
		64	5320	10.07	11.00	No
	802.11ac(VHT40)	54	5270	10.02	11.00	No
		62	5310	9.93	11.00	No
	802.11ac(VHT80)	58	5290	**9.88**	11.00	Yes
5.6 (5.47~5.725)	802.11a	100	5500	10.98	12.00	No
		116	5580	10.71	12.00	No
		140	5700	10.39	12.00	No
	802.11n(HT20)	100	5500	10.57	12.00	No
		116	5580	10.39	12.00	No
		140	5700	10.37	12.00	No
	802.11n(HT40)	102	5510	10.47	12.00	No
		118	5590	10.19	12.00	No
		134	5670	10.53	12.00	No
		142	5710	10.05	12.00	No

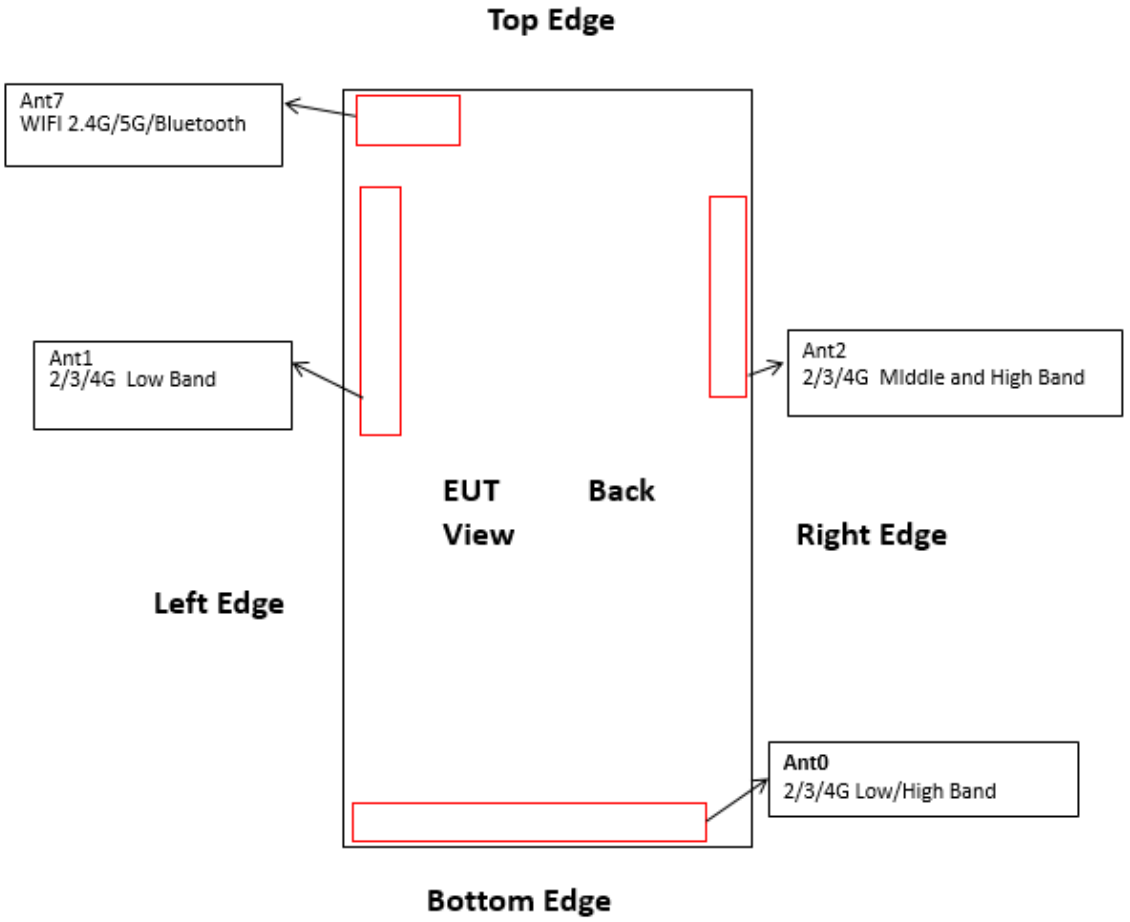
	802.11ac(VHT20)	100	5500	10.26	12.00	No
		116	5580	10.09	12.00	No
		140	5700	10.59	12.00	No
	802.11ac(VHT40)	102	5510	10.13	12.00	No
		118	5590	10.30	12.00	No
		134	5670	10.15	12.00	No
		142	5710	10.18	12.00	No
	802.11ac(VHT80)	106	5530	10.60	12.00	Yes
		122	5610	10.94	12.00	Yes
		138	5690	**11.17**	12.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	10.29	11.50	No
		157	5785	10.03	11.50	No
		165	5825	9.55	11.50	No
	802.11n(HT20)	149	5745	9.70	11.50	No
		157	5785	10.47	11.50	No
		165	5825	10.49	11.50	No
	802.11n(HT40)	151	5755	10.20	11.50	No
		159	5795	9.56	11.50	No
	802.11ac(VHT20)	149	5745	9.78	11.50	No
		157	5785	9.54	11.50	No
		165	5825	9.88	11.50	No
	802.11ac(VHT40)	151	5755	10.24	11.50	No
		159	5795	9.74	11.50	No
	802.11ac(VHT80)	155	5775	**10.09**	11.50	Yes

8.9.48 Power Reduced Level 5&6 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.85	16.50	No
		44	5220	14.53	16.50	No
		48	5240	14.61	16.50	No
	802.11n(HT20)	36	5180	14.70	16.50	No
		44	5220	14.69	16.50	No
		48	5240	14.67	16.50	No
	802.11n(HT40)	38	5190	14.29	16.50	No
		46	5230	14.60	16.50	No
	802.11ac(VHT20)	36	5180	14.70	16.50	No
		44	5220	14.60	16.50	No
		48	5240	14.79	16.50	No
	802.11ac(VHT40)	38	5190	14.75	16.50	No
		46	5230	14.87	16.50	No
	802.11ac(VHT80)	42	5210	**14.87**	16.50	Yes
5.3 (5.25~5.35)	802.11a	52	5260	14.67	16.50	No
		60	5300	15.19	16.50	No
		64	5320	15.57	16.50	No
	802.11n(HT20)	52	5260	14.57	16.50	No
		60	5300	15.10	16.50	No
		64	5320	14.85	16.50	No
	802.11n(HT40)	54	5270	15.03	16.50	No
		62	5310	14.70	16.50	No
	802.11ac(VHT20)	52	5260	14.55	16.50	No
		60	5300	15.22	16.50	No
		64	5320	15.48	16.50	No
	802.11ac(VHT40)	54	5270	15.59	16.50	No
		62	5310	15.49	16.50	No
	802.11ac(VHT80)	58	5290	15.24	16.50	No
5.6 (5.47~5.725)	802.11a	100	5500	14.32	15.50	No
		116	5580	14.07	15.50	No
		140	5700	13.81	15.50	No
	802.11n(HT20)	100	5500	13.56	15.50	No
		116	5580	14.04	15.50	No
		140	5700	13.81	15.50	No
	802.11n(HT40)	102	5510	13.64	15.50	No
		118	5590	13.73	15.50	No
		134	5670	13.53	15.50	No
		142	5710	13.65	15.50	No

	802.11ac(VHT20)	100	5500	13.77	15.50	No
		116	5580	13.63	15.50	No
		140	5700	13.74	15.50	No
	802.11ac(VHT40)	102	5510	13.57	15.50	No
		118	5590	13.84	15.50	No
		134	5670	13.79	15.50	No
		142	5710	13.77	15.50	No
	802.11ac(VHT80)	106	5530	13.62	15.50	No
		122	5610	13.98	15.50	No
		138	5690	13.98	15.50	No
5.8 (5.725~5.850)	802.11a	149	5745	14.13	15.50	No
		157	5785	14.02	15.50	No
		165	5825	13.79	15.50	No
	802.11n(HT20)	149	5745	13.65	15.50	No
		157	5785	13.51	15.50	No
		165	5825	14.08	15.50	No
	802.11n(HT40)	151	5755	14.06	15.50	No
		159	5795	13.52	15.50	No
	802.11ac(VHT20)	149	5745	13.63	15.50	No
		157	5785	13.55	15.50	No
		165	5825	13.58	15.50	No
	802.11ac(VHT40)	151	5755	14.25	15.50	No
		159	5795	13.73	15.50	No
	802.11ac(VHT80)	155	5775	**14.08**	15.50	Yes

9 TEST EXCLUSION CONSIDERATION



Antenna	Support Bands
ANT0	GSM850/1900
	WCDMA B2/4/5
	LTE B2/4/5/7/12/17/26/38/41
ANT1	GSM850
	WCDMA B5
	LTE B5/12/17/26
ANT2	GSM1900
	WCDMA B2/4
	LTE B2/4/7/38/41
ANT7	WIFI 2.4G/5G/Bluetooth

Antenna	Front Side (mm)	Back Side (mm)	Left Edge (mm)	Right Edge (mm)	Top Edge (mm)	Bottom Edge (mm)
Ant0	<5	<5	<5	<5	＞25	<5
Ant1	<5	<5	<5	＞25	<25	＞25
Ant2	<5	<5	＞25	<5	<25	＞25
Ant7	<5	<5	<5	＞25	<5	＞25

9.1 SAR Test Exclusion Consideration Table

According with FCC KDB 447498 D01, Appendix A, <SAR Test Exclusion Thresholds for 100 MHz－6 GHz and ≤ 50 mm> Table, this Device SAR test configurations consider as following :

ANT0

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	Voice	33.00	1995.26	Yes	Yes	Yes	Yes	No	Yes
	Data	33.00	1995.26	Yes	Yes	Yes	Yes	No	Yes
GSM 1900	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	Voice	30.00	1000.00	Yes	Yes	Yes	Yes	No	Yes
	Data	30.00	1000.00	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 17	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 41	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes

ANT1

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	<5mm	>25mm	<25mm	>25mm
	Voice	33.00	1995.26	Yes	Yes	Yes	Yes	Yes	No
	Data	33.00	1995.26	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 5	Distance to User			<5mm	<5mm	<5mm	>25mm	<25mm	>25mm
	RMC	25.00	316.23	Yes	Yes	Yes	Yes	Yes	No
LTE Band 5	Distance to User			<5mm	<5mm	<5mm	>25mm	<25mm	>25mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	Yes	No
LTE Band 12	Distance to User			<5mm	<5mm	<5mm	>25mm	<25mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 17	Distance to User			<5mm	<5mm	<5mm	>25mm	<25mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 26	Distance to User			<5mm	<5mm	<5mm	>25mm	<25mm	>25mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	Yes	No

ANT2

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 1900	Distance to User			<5mm	<5mm	>25mm	<5mm	<25mm	>25mm
	Voice	30.00	1000.00	Yes	Yes	Yes	Yes	Yes	No
	Data	30.00	1000.00	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<25mm	>25mm
	RMC	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<25mm	>25mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	Yes	No
LTE Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<25mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<25mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	>25mm	<5mm	<25mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	>25mm	<5mm	<25mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	>25mm	<5mm	<25mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No

ANT7

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 2.4 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11b	20.00	100.00	Yes	Yes	Yes	Yes	Yes	No
	802.11g	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.00	79.43	Yes	Yes	Yes	Yes	Yes	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	18.00	63.10	No	No	No	No	No	No
	802.11ac(VHT20)	18.50	70.79	No	No	No	No	No	No
	802.11ac(VHT40)	18.00	63.10	No	No	No	No	No	No
	802.11ac(VHT80)	18.00	63.10	No	No	No	No	No	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.00	79.43	Yes	Yes	Yes	Yes	Yes	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	18.00	63.10	No	No	No	No	No	No
	802.11ac(VHT20)	18.50	70.79	No	No	No	No	No	No
	802.11ac(VHT40)	18.00	63.10	No	No	No	No	No	No
	802.11ac(VHT80)	18.00	63.10	No	No	No	No	No	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.00	79.43	Yes	Yes	Yes	Yes	Yes	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	18.00	63.10	No	No	No	No	No	No
	802.11ac(VHT20)	18.50	70.79	No	No	No	No	No	No
	802.11ac(VHT40)	18.00	63.10	No	No	No	No	No	No
	802.11ac(VHT80)	18.00	63.10	No	No	No	No	No	No
WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.00	79.43	Yes	Yes	Yes	Yes	Yes	No
	802.11n(HT20)	18.50	70.79	No	No	No	No	No	No
	802.11n(HT40)	18.50	70.79	No	No	No	No	No	No
	802.11ac(VHT20)	18.00	63.10	No	No	No	No	No	No
	802.11ac(VHT40)	18.00	63.10	No	No	No	No	No	No
	802.11ac(VHT80)	18.00	63.10	No	No	No	No	No	No
Bluetooth	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	BR/EDR	14.00	25.12	Yes	Yes	Yes	Yes	Yes	No
	BLE	9.00	7.94	No	No	No	No	No	No

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 D01, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. Per KDB 447498 D01, standalone SAR test exclusion threshold is applied; If the distance of the antenna to the user is < 5mm, 5mm is used to determine SAR exclusion threshold
4. Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR
   a. f(GHz) is the RF channel transmit frequency in GHz
   b. Power and distance are rounded to the nearest mW and mm before calculation
   c. The result is rounded to one decimal place for comparison
   d. For < 50 mm distance, we just calculate mW of the exclusion threshold value (3.0) to do compare.

   This formula is [3.0] / [√f(GHz)] ·[(min. test separation distance, mm)] = exclusion threshold of mW.
5. Per KDB 447498 D01, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
   a. [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·(f(MHz)/150)] mW, at 100 MHz to 1500 MHz
   b. [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·10] mW at > 1500 MHz and ≤ 6 GHz
6. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA /HSUPA /DC-HSDPA output power is < 0.25dB higher than RMC12.2Kbps, or reported SAR with RMC 12.2kbps setting is ≤ 1.2W/kg, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
7. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion.8. 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 the lowest data rate
8. Per KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions.
   a. When KDB Publication 447498 D01 SAR test exclusion applies to the OFDM configuration.
   b. 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 ≤ 1.2 W/kg.
9. Per KDB 248227 D01 SAR is not required for the following U-NII-1 and U-NII-2A bands conditions.
   a. When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.
   b. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.

10 TEST RESULT

10.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant. 1	Leve1	GPRS (3slots)	Left Cheek	0	251	848.8	0.13	0.130	24.31	26.00	1.476	0.192	/
	Leve1		Left Tilt	0	251	848.8	0.02	0.007	24.31	26.00	1.476	0.010	/
	Leve1		Right Cheek	0	251	848.8	0.03	0.192	24.31	26.00	1.476	**0.283**	1#
	Leve1		Right Tilt	0	251	848.8	-0.13	0.009	24.31	26.00	1.476	0.013	/
Ant. 1	Level2&3	GPRS (3slots)	Left Cheek	0	251	848.8	-0.03	0.053	23.58	25.50	1.556	0.082	/
	Level2&3		Left Tilt	0	251	848.8	0.02	0.008	23.58	25.50	1.556	0.012	/
	Level2&3		Right Cheek	0	251	848.8	0.04	0.083	23.58	25.50	1.556	0.129	/
	Level2&3		Right Tilt	0	251	848.8	-0.07	0.009	23.58	25.50	1.556	0.014	/
Ant. 0	Off	GPRS (3slots)	Left Cheek	0	190	836.6	-0.19	0.153	28.92	30.00	1.283	0.196	/
	Off		Left Tilt	0	190	836.6	0.03	0.114	28.92	30.00	1.283	0.146	/
	Off		Right Cheek	0	190	836.6	0.15	0.136	28.92	30.00	1.283	0.175	/
	Off		Right Tilt	0	190	836.6	-0.13	0.100	28.92	30.00	1.283	0.128	/
Body-worn Accessory													
Ant. 1	Off	Voice	Front Side	15	190	836.6	0.03	0.072	32.18	33.00	1.208	0.087	/
	Off		Back Side	15	190	836.6	-0.03	0.090	32.18	33.00	1.208	0.109	/
	Off	GPRS (3slots)	Front Side	15	190	836.6	0.07	0.095	28.92	30.00	1.282	0.122	/
	Off		Back Side	15	190	836.6	0.06	0.115	28.92	30.00	1.282	0.147	/
Ant. 1	Off	Voice	Front Side	15	190	836.6	-0.08	0.119	32.18	33.00	1.208	0.144	/
	Off		Back Side	15	190	836.6	-0.17	0.151	32.18	33.00	1.208	0.182	/
	Off	GPRS (3slots)	Front Side	15	190	836.6	-0.07	0.160	28.92	30.00	1.282	0.205	/
	Off		Back Side	15	190	836.6	-0.03	0.174	28.92	30.00	1.282	**0.223**	2#
Hotspot													
Ant. 1	Off	GPRS (3slots)	Front Side	10	190	836.6	0.03	0.173	28.92	30.00	1.283	0.222	/
	Off		Back Side	10	190	836.6	-0.03	0.205	28.92	30.00	1.283	0.263	/
	Off		Left Edge	10	190	836.6	0.04	0.289	28.92	30.00	1.283	**0.371**	3#
	Off		Right Edge	10	190	836.6	0.06	0.007	28.92	30.00	1.283	0.009	/
	Off		Top Edge	10	190	836.6	0.04	0.001	28.92	30.00	1.283	0.002	/
Ant. 0	Off	GPRS (3slots)	Front Side	10	190	836.6	-0.06	0.197	28.92	30.00	1.283	0.253	/
	Off		Back Side	10	190	836.6	-0.03	0.239	28.92	30.00	1.283	0.307	/
	Off		Left Edge	10	190	836.6	0.03	0.009	28.92	30.00	1.283	0.012	/
	Off		Right Edge	10	190	836.6	0.06	0.198	28.92	30.00	1.283	0.254	/
	Off		Bottom Edge	10	190	836.6	0.08	0.180	28.92	30.00	1.283	0.231	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant. 2	Leve1	GPRS (4slots)	Left Cheek	0	512	1850.2	0.16	0.668	22.79	24.00	1.320	0.882	/
	Leve1			0	661	1880.0	-0.16	0.742	22.75	24.00	1.333	0.989	/
	Leve1			0	810	1909.8	-0.06	0.720	22.61	24.00	1.378	**0.992**	4#
	Leve1		Left Tilt	0	512	1850.2	-0.17	0.103	22.79	24.00	1.320	0.136	/
	Leve1		Right Cheek	0	512	1850.2	-0.13	0.335	22.79	24.00	1.320	0.442	/
	Leve1		Right Tilt	0	512	1850.2	-0.10	0.122	22.79	24.00	1.320	0.161	/
Ant. 2	Level2&3	GPRS (4slots)	Left Cheek	0	512	1850.2	-0.01	0.556	22.36	23.50	1.302	0.724	/
	Level2&3		Left Tilt	0	512	1850.2	0.06	0.091	22.36	23.50	1.302	0.118	/
	Level2&3		Right Cheek	0	512	1850.2	-0.01	0.325	22.36	23.50	1.302	0.423	/
	Level2&3		Right Tilt	0	512	1850.2	0.12	0.104	22.36	23.50	1.302	0.135	/
Ant. 0	Leve1	GPRS (4slots)	Left Cheek	0	512	1850.2	0.18	0.044	23.55	25.00	1.398	0.062	/
	Leve1		Left Tilt	0	512	1850.2	0.10	0.008	23.55	25.00	1.398	0.011	/
	Leve1		Right Cheek	0	512	1850.2	-0.12	0.011	23.55	25.00	1.398	0.015	/
	Leve1		Right Tilt	0	512	1850.2	-0.16	0.003	23.55	25.00	1.398	0.004	/
Ant. 0	Level2&3	GPRS (4slots)	Left Cheek	0	512	1850.2	0.14	0.006	22.72	24.50	1.508	0.010	/
	Level2&3		Left Tilt	0	512	1850.2	0.18	0.002	22.72	24.50	1.508	0.004	/
	Level2&3		Right Cheek	0	512	1850.2	-0.07	0.005	22.72	24.50	1.508	0.007	/
	Level2&3		Right Tilt	0	512	1850.2	-0.17	0.001	22.72	24.50	1.508	0.002	/
Body-worn Accessory													
Ant. 2	Off	Voice	Front Side	15	512	1850.2	0.08	0.116	28.71	30.00	1.346	0.156	/
	Off		Back Side	15	512	1850.2	0.03	0.126	28.71	30.00	1.346	0.170	/
	Off	GPRS (4slots)	Front Side	15	512	1850.2	0.02	0.176	24.17	26.00	1.523	0.268	/
	Off		Back Side	15	512	1850.2	-0.10	0.180	24.17	26.00	1.523	0.274	/
Ant. 0	Leve4	Voice	Front Side	15	661	1880.0	0.02	0.152	27.81	29.00	1.315	0.200	/
	Leve4		Back Side	15	661	1880.0	-0.01	0.198	27.81	29.00	1.315	0.260	/
	Leve4	GPRS (4slots)	Front Side	15	512	1850.2	0.04	0.210	23.55	25.00	1.398	0.294	/
	Leve4		Back Side	15	512	1850.2	0.07	0.220	23.55	25.00	1.398	**0.308**	5#
Ant. 0	Level5&6	Voice	Front Side	15	661	1880.0	-0.08	0.138	27.43	28.50	1.279	0.177	/
	Level5&6		Back Side	15	661	1880.0	-0.11	0.186	27.43	28.50	1.279	0.238	/
	Level5&6	GPRS (4slots)	Front Side	15	512	1850.2	0.03	0.177	22.72	24.50	1.508	0.267	/
	Level5&6		Back Side	15	512	1850.2	-0.13	0.199	22.72	24.50	1.508	0.300	/
Hotspot													
Ant. 2	Off	GPRS (4slots)	Front Side	10	512	1850.2	-0.12	0.313	24.17	26.00	1.523	0.477	/
	Off		Back Side	10	512	1850.2	-0.18	0.323	24.17	26.00	1.523	0.492	/
	Off		Left Edge	10	512	1850.2	-0.04	0.002	24.17	26.00	1.523	0.004	/
	Off		Right Edge	10	512	1850.2	0.04	0.701	24.17	26.00	1.523	**1.068**	6#
	Off			10	661	1880.0	0.03	0.661	24.16	26.00	1.528	1.010	/
	Off			10	810	1909.8	-0.07	0.675	24.03	26.00	1.573	1.062	/
	Off		Top Edge	10	512	1850.2	-0.12	0.079	24.17	26.00	1.523	0.120	/
Ant. 0	Level5&6	GPRS	Front Side	10	512	1850.2	-0.12	0.294	22.72	24.50	1.508	0.443	/

	Level5&6	(4slots)	Back Side	10	512	1850.2	-0.17	0.395	22.72	24.50	1.508	0.596	/
	Level5&6		Left Edge	10	512	1850.2	0.01	0.068	22.72	24.50	1.508	0.103	/
	Level5&6		Right Edge	10	512	1850.2	0.17	0.006	22.72	24.50	1.508	0.009	/
	Level5&6		Bottom Edge	10	512	1850.2	-0.18	0.524	22.72	24.50	1.508	0.790	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant. 2	Level1	RMC	Left Cheek	0	9538	1907.6	-0.11	0.611	19.89	20.00	1.026	**0.627**	7#
	Level1		Left Tilt	0	9538	1907.6	0.00	0.121	19.89	20.00	1.026	0.124	/
	Level1		Right Cheek	0	9538	1907.6	-0.08	0.514	19.89	20.00	1.026	0.527	/
	Level1		Right Tilt	0	9538	1907.6	0.16	0.137	19.89	20.00	1.026	0.141	/
Ant. 2	Level2&3	RMC	Left Cheek	0	9538	1907.6	0.01	0.494	18.29	18.50	1.050	0.518	/
	Level2&3		Left Tilt	0	9538	1907.6	0.11	0.087	18.29	18.50	1.050	0.091	/
	Level2&3		Right Cheek	0	9538	1907.6	0.02	0.362	18.29	18.50	1.050	0.380	/
	Level2&3		Right Tilt	0	9538	1907.6	-0.13	0.094	18.29	18.50	1.050	0.099	/
Ant. 0	Off	RMC	Left Cheek	0	9538	1907.6	-0.18	0.093	23.38	24.00	1.153	0.107	/
	Off		Left Tilt	0	9538	1907.6	0.12	0.061	23.38	24.00	1.153	0.070	/
	Off		Right Cheek	0	9538	1907.6	0.16	0.070	23.38	24.00	1.153	0.081	/
	Off		Right Tilt	0	9538	1907.6	-0.13	0.015	23.38	24.00	1.153	0.017	/
Body-worn Accessory													
Ant. 2	Leve4	RMC	Front Side	15	9538	1907.6	0.14	0.241	23.30	23.50	1.047	0.252	/
	Leve4		Back Side	15	9538	1907.6	0.04	0.247	23.30	23.50	1.047	0.259	/
Ant. 2	Level5&6	RMC	Front Side	15	9538	1907.6	-0.09	0.113	22.82	23.00	1.042	0.118	/
	Level5&6		Back Side	15	9538	1907.6	-0.09	0.108	22.82	23.00	1.042	0.113	/
Ant. 0	Leve4	RMC	Front Side	15	9538	1907.6	0.16	0.234	21.09	21.50	1.099	0.257	/
	Leve4		Back Side	15	9538	1907.6	0.01	0.257	21.09	21.50	1.099	**0.282**	8#
Ant. 0	Level5&6	RMC	Front Side	15	9538	1907.6	-0.08	0.227	20.58	21.00	1.102	0.250	/
	Level5&6		Back Side	15	9538	1907.6	-0.03	0.245	20.58	21.00	1.102	0.270	/
Hotspot													
Ant. 2	Level5&6	RMC	Front Side	10	9538	1907.6	-0.13	0.409	22.82	23.00	1.042	0.426	/
	Level5&6		Back Side	10	9538	1907.6	-0.16	0.412	22.82	23.00	1.042	0.429	/
	Level5&6		Left Edge	10	9538	1907.6	-0.05	0.005	22.82	23.00	1.042	0.006	/
	Level5&6		Right Edge	10	9538	1907.6	0.12	0.795	22.82	23.00	1.042	**0.829**	9#
	Level5&6			10	9262	1852.4	-0.05	0.637	22.77	23.00	1.054	0.672	/
	Level5&6			10	9400	1880.0	0.11	0.741	22.77	23.00	1.054	0.781	/
	Level5&6		Top Edge	10	9538	1907.6	-0.14	0.101	22.82	23.00	1.042	0.105	/
Ant. 0	Level5&6	RMC	Front Side	10	9538	1907.6	-0.10	0.354	20.58	21.00	1.102	0.390	/
	Level5&6		Back Side	10	9538	1907.6	-0.01	0.468	20.58	21.00	1.102	0.516	/
	Level5&6		Left Edge	10	9538	1907.6	-0.12	0.115	20.58	21.00	1.102	0.127	/
	Level5&6		Right Edge	10	9538	1907.6	0.10	0.042	20.58	21.00	1.102	0.046	/
	Level5&6		Bottom Edge	10	9538	1907.6	-0.16	0.741	20.58	21.00	1.102	0.816	/
	Level5&6			10	9262	1852.4	0.17	0.706	20.52	21.00	1.117	0.789	/
	Level5&6			10	9400	1880.0	-0.18	0.728	20.54	21.00	1.112	0.809	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant. 0	Level5&6	RMC	Bottom Edge	0	9538	1907.6	-0.11	0.980	20.58	21.00	1.102	1.080	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant. 2	Level1	RMC	Left Cheek	0	1513	1752.6	-0.16	0.616	20.87	21.00	1.030	**0.635**	10#
	Level1		Left Tilt	0	1513	1752.6	-0.04	0.104	20.87	21.00	1.030	0.107	/
	Level1		Right Cheek	0	1513	1752.6	-0.05	0.570	20.87	21.00	1.030	0.587	/
	Level1		Right Tilt	0	1513	1752.6	0.16	0.178	20.87	21.00	1.030	0.183	/
Ant. 2	Level2&3	RMC	Left Cheek	0	1513	1752.6	-0.10	0.506	19.86	20.00	1.033	0.523	/
	Level2&3		Left Tilt	0	1513	1752.6	0.04	0.081	19.86	20.00	1.033	0.084	/
	Level2&3		Right Cheek	0	1513	1752.6	-0.17	0.441	19.86	20.00	1.033	0.455	/
	Level2&3		Right Tilt	0	1513	1752.6	0.00	0.138	19.86	20.00	1.033	0.143	/
Ant. 0	Off	RMC	Left Cheek	0	1513	1752.6	-0.13	0.073	23.96	24.50	1.132	0.083	/
	Off		Left Tilt	0	1513	1752.6	0.16	0.046	23.96	24.50	1.132	0.052	/
	Off		Right Cheek	0	1513	1752.6	0.07	0.080	23.96	24.50	1.132	0.091	/
	Off		Right Tilt	0	1513	1752.6	0.14	0.015	23.96	24.50	1.132	0.017	/
Body-worn Accessory													
Ant. 2	Leve4	RMC	Front Side	15	1513	1752.6	0.03	0.106	21.25	21.50	1.059	0.112	/
	Leve4		Back Side	15	1513	1752.6	0.02	0.124	21.25	21.50	1.059	0.131	/
Ant. 2	Level5&6	RMC	Front Side	15	1513	1752.6	0.06	0.097	20.87	21.00	1.030	0.100	/
	Level5&6		Back Side	15	1513	1752.6	0.01	0.114	20.87	21.00	1.030	0.117	/
Ant. 0	Leve4	RMC	Front Side	15	1513	1752.6	-0.11	0.234	22.48	23.00	1.127	0.264	/
	Leve4		Back Side	15	1513	1752.6	0.08	0.258	22.48	23.00	1.127	**0.291**	11#
Ant. 0	Level5&6	RMC	Front Side	15	1513	1752.6	-0.03	0.217	22.26	22.50	1.057	0.229	/
	Level5&6		Back Side	15	1513	1752.6	-0.14	0.222	22.26	22.50	1.057	0.235	/
Hotspot													
Ant. 2	Level5&6	RMC	Front Side	10	1513	1752.6	0.06	0.188	20.87	21.00	1.030	0.194	/
	Level5&6		Back Side	10	1513	1752.6	0.01	0.225	20.87	21.00	1.030	0.232	/
	Level5&6		Left Edge	10	1513	1752.6	-0.05	0.021	20.87	21.00	1.030	0.022	/
	Level5&6		Right Edge	10	1513	1752.6	0.03	0.440	20.87	21.00	1.030	0.453	/
	Level5&6		Top Edge	10	1513	1752.6	0.01	0.060	20.87	21.00	1.030	0.062	/
Ant. 0	Level5&6	RMC	Front Side	10	1513	1752.6	-0.17	0.385	22.26	22.50	1.057	0.407	/
	Level5&6		Back Side	10	1513	1752.6	0.01	0.517	22.26	22.50	1.057	0.546	/
	Level5&6		Left Edge	10	1513	1752.6	0.06	0.072	22.26	22.50	1.057	0.076	/
	Level5&6		Right Edge	10	1513	1752.6	0.03	0.048	22.26	22.50	1.057	0.051	/
	Level5&6		Bottom Edge	10	1513	1752.6	-0.06	0.878	22.26	22.50	1.057	0.928	/
	Level5&6			10	1312	1312.4	0.16	0.867	22.21	22.50	1.069	0.927	/
	Level5&6			10	1412	1732.4	0.09	0.919	22.24	22.50	1.062	**0.976**	12#

Note: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant. 0	Level5&6	RMC	Bottom Edge	0	1513	1752.6	-0.11	1.720	22.26	22.50	1.057	1.818	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.5 WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant. 1	Level1	RMC	Left Cheek	0	4233	846.6	-0.07	0.491	21.69	22.50	1.205	0.592	/
	Level1		Left Tilt	0	4233	846.6	0.17	0.085	21.69	22.50	1.205	0.102	/
	Level1		Right Cheek	0	4233	846.6	-0.01	0.743	21.69	22.50	1.205	**0.895**	13#
	Level1			0	4132	826.4	-0.07	0.599	21.68	22.50	1.208	0.723	/
	Level1			0	4182	836.4	-0.15	0.717	21.67	22.50	1.211	0.868	/
	Level1		Right Tilt	0	4233	846.6	-0.17	0.103	21.69	22.50	1.205	0.124	/
Ant. 1	Level2&3	RMC	Left Cheek	0	4233	846.6	-0.17	0.437	21.17	22.00	1.211	0.529	/
	Level2&3		Left Tilt	0	4233	846.6	-0.11	0.074	21.17	22.00	1.211	0.090	/
	Level2&3		Right Cheek	0	4233	846.6	0.08	0.649	21.17	22.00	1.211	0.786	/
	Level2&3		Right Tilt	0	4233	846.6	-0.14	0.092	21.17	22.00	1.211	0.111	/
Ant. 0	Off	RMC	Left Cheek	0	4233	846.6	-0.01	0.217	23.73	25.00	1.340	0.291	/
	Off		Left Tilt	0	4233	846.6	0.16	0.125	23.73	25.00	1.340	0.167	/
	Off		Right Cheek	0	4233	846.6	-0.12	0.188	23.73	25.00	1.340	0.252	/
	Off		Right Tilt	0	4233	846.6	-0.03	0.106	23.73	25.00	1.340	0.142	/
Body-worn Accessory													
Ant. 1	Off	RMC	Front Side	15	4233	846.6	0.10	0.264	23.73	25.00	1.340	0.354	/
	Off		Back Side	15	4233	846.6	-0.12	0.329	23.73	25.00	1.340	**0.441**	14#
Ant. 0	Off	RMC	Front Side	15	4233	846.6	0.16	0.157	23.73	25.00	1.340	0.210	/
	Off		Back Side	15	4233	846.6	0.11	0.184	23.73	25.00	1.340	0.247	/
Hotspot													
Ant. 1	Off	RMC	Front Side	10	4233	846.6	-0.11	0.443	23.73	25.00	1.340	0.593	/
	Off		Back Side	10	4233	846.6	0.02	0.543	23.73	25.00	1.340	0.727	/
	Off		Left Edge	10	4233	846.6	0.10	0.790	23.73	25.00	1.340	**1.058**	15#
	Off			10	4132	826.4	0.08	0.574	23.64	25.00	1.368	0.785	/
	Off			10	4182	836.4	0.11	0.653	23.70	25.00	1.349	0.881	/
	Off		Right Edge	10	4233	846.6	0.01	0.007	23.73	25.00	1.340	0.009	/
	Off		Top Edge	10	4233	846.6	0.02	0.003	23.73	25.00	1.340	0.004	/
Ant. 0	Off	RMC	Front Side	10	4233	846.6	0.09	0.173	23.73	25.00	1.340	0.232	/
	Off		Back Side	10	4233	846.6	0.18	0.212	23.73	25.00	1.340	0.284	/
	Off		Left Edge	10	4233	846.6	-0.07	0.048	23.73	25.00	1.340	0.064	/
	Off		Right Edge	10	4233	846.6	-0.04	0.138	23.73	25.00	1.340	0.185	/
	Off		Bottom Edge	10	4233	846.6	-0.14	0.162	23.73	25.00	1.340	0.217	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

10.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 2	Level1	QPSK	Left Cheek	0	18900	1880	1	Mid	-0.16	0.665	19.19	20.00	1.205	0.801	/
	Level1			0	18700	1860	1	Low	0.15	0.606	19.19	20.00	1.205	0.730	/
	Level1			0	19100	1900	1	Low	-0.01	0.650	19.05	20.00	1.245	**0.809**	16#
	Level1			0	18900	1880	50	High	0.12	0.653	19.25	20.00	1.189	0.776	/
	Level1			0	18900	1880	100	Low	-0.17	0.677	19.31	20.00	1.172	0.794	/
	Level1		Left Tilt	0	18900	1880	1	Mid	0.07	0.122	19.19	20.00	1.205	0.147	/
	Level1			0	18900	1880	50	High	0.02	0.123	19.25	20.00	1.189	0.146	/
	Level1		Right Cheek	0	18900	1880	1	Mid	0.12	0.398	19.19	20.00	1.205	0.480	/
	Level1			0	18900	1880	50	High	-0.19	0.407	19.25	20.00	1.189	0.484	/
	Level1		Right Tilt	0	18900	1880	1	Mid	-0.12	0.131	19.19	20.00	1.205	0.158	/
	Level1			0	18900	1880	50	High	0.00	0.133	19.25	20.00	1.189	0.158	/
Ant. 2	Level2&3	QPSK	Left Cheek	0	18900	1880	1	Low	-0.06	0.601	18.68	19.50	1.208	0.726	/
	Level2&3			0	18900	1880	50	High	-0.02	0.574	18.75	19.50	1.189	0.682	/
	Level2&3		Left Tilt	0	18900	1880	1	Low	-0.18	0.107	18.68	19.50	1.208	0.129	/
	Level2&3			0	18900	1880	50	High	-0.16	0.104	18.75	19.50	1.189	0.124	/
	Level2&3		Right Cheek	0	18900	1880	1	Low	0.11	0.390	18.68	19.50	1.208	0.471	/
	Level2&3			0	18900	1880	50	High	0.19	0.387	18.75	19.50	1.189	0.460	/
	Level2&3		Right Tilt	0	18900	1880	1	Low	-0.14	0.118	18.68	19.50	1.208	0.143	/
	Level2&3			0	18900	1880	50	High	-0.11	0.118	18.75	19.50	1.189	0.140	/
Ant. 0	Off	QPSK	Left Cheek	0	19100	1900	1	Low	0.17	0.070	22.35	23.50	1.303	0.091	/
	Off			0	18900	1880	50	Mid	-0.12	0.054	21.04	22.50	1.400	0.076	/
	Off		Left Tilt	0	19100	1900	1	Low	0.08	0.045	22.35	23.50	1.303	0.059	/
	Off			0	18900	1880	50	Mid	-0.17	0.030	21.04	22.50	1.400	0.042	/
	Off		Right Cheek	0	19100	1900	1	Low	0.00	0.046	22.35	23.50	1.303	0.060	/
	Off			0	18900	1880	50	Mid	0.01	0.034	21.04	22.50	1.400	0.048	/
	Off		Right Tilt	0	19100	1900	1	Low	-0.07	0.049	22.35	23.50	1.303	0.064	/
	Off			0	18900	1880	50	Mid	0.14	0.038	21.04	22.50	1.400	0.053	/
Body-worn Accessory															
Ant. 2	Off	QPSK	Front Side	15	19100	1900	1	Low	0.11	0.195	22.35	23.50	1.303	0.254	/
	Off			15	18900	1880	50	Mid	0.15	0.162	21.04	22.50	1.400	0.227	/
	Off		Back Side	15	19100	1900	1	Low	-0.01	0.205	22.35	23.50	1.303	0.267	/
	Off			15	18900	1880	50	Mid	-0.14	0.170	21.04	22.50	1.400	0.238	/
Ant. 0	Level4	QPSK	Front Side	15	18900	1880	1	Low	0.19	0.172	20.39	21.50	1.291	0.222	/
	Level4			15	18900	1880	50	Mid	0.04	0.173	20.46	21.50	1.271	0.220	/
	Level4		Back Side	15	18900	1880	1	Low	-0.14	0.224	20.39	21.50	1.291	0.289	/
	Level4			15	18900	1880	50	Mid	-0.10	0.230	20.46	21.50	1.271	**0.292**	17#
Ant. 0	Level5&6	QPSK	Front Side	15	18900	1880	1	Low	0.09	0.166	19.89	21.00	1.291	0.214	/
	Level5&6			15	18900	1880	50	Mid	-0.15	0.167	19.98	21.00	1.265	0.211	/
	Level5&6		Back Side	15	18900	1880	1	Low	0.15	0.217	19.89	21.00	1.291	0.280	/

	Level5&6			15	18900	1880	50	Mid	0.02	0.220	19.98	21.00	1.265	0.278	/
Hotspot															
Ant. 2	Off	QPSK	Front Side	10	19100	1900	1	Low	-0.12	0.322	22.35	23.50	1.303	0.420	/
	Off			10	18900	1880	50	Mid	-0.02	0.270	21.04	22.50	1.400	0.378	/
	Off		Back Side	10	19100	1900	1	Low	-0.01	0.349	22.35	23.50	1.303	0.455	/
	Off			10	18900	1880	50	Mid	0.09	0.292	21.04	22.50	1.400	0.409	/
	Off		Left Edge	10	19100	1900	1	Low	0.04	0.005	22.35	23.50	1.303	0.006	/
	Off			10	18900	1880	50	Mid	0.19	0.002	21.04	22.50	1.400	0.003	/
	Off		Right Edge	10	19100	1900	1	Low	0.07	0.909	22.35	23.50	1.303	**1.185**	18#
	Off			10	18900	1880	1	Low	-0.04	0.696	22.02	23.50	1.406	0.979	/
	Off			10	18700	1860	1	Low	-0.14	0.678	21.93	23.50	1.435	0.973	/
	Off			10	18900	1880	50	Mid	-0.06	0.554	21.04	22.50	1.400	0.775	/
	Off			10	18900	1880	100	Low	0.10	0.566	21.03	22.50	1.403	0.794	/
	Off		Top Edge	10	19100	1900	1	Low	-0.18	0.106	22.35	23.50	1.303	0.138	/
	Off			10	18900	1880	50	Mid	0.00	0.102	21.04	22.50	1.400	0.143	/
Ant. 0	Level5&6	QPSK	Front Side	10	18900	1880	1	Low	-0.06	0.281	19.89	21.00	1.291	0.363	/
	Level5&6			10	18900	1880	50	Mid	0.12	0.284	19.98	21.00	1.265	0.359	/
	Level5&6		Back Side	10	18900	1880	1	Low	0.09	0.389	19.89	21.00	1.291	0.502	/
	Level5&6			10	18900	1880	50	Mid	0.02	0.393	19.98	21.00	1.265	0.497	/
	Level5&6		Left Edge	10	18900	1880	1	Low	0.00	0.062	19.89	21.00	1.291	0.080	/
	Level5&6			10	18900	1880	50	Mid	0.01	0.065	19.98	21.00	1.265	0.082	/
	Level5&6		Right Edge	10	18900	1880	1	Low	-0.04	0.004	19.89	21.00	1.291	0.005	/
	Level5&6			10	18900	1880	50	Mid	-0.08	0.007	19.98	21.00	1.265	0.009	/
	Level5&6		Bottom Edge	10	18900	1880	1	Low	-0.09	0.612	19.89	21.00	1.291	0.790	/
	Level5&6			10	18900	1880	50	Mid	-0.19	0.676	19.98	21.00	1.265	0.855	/
	Level5&6			10	18700	1860	50	Mid	-0.10	0.636	19.96	21.00	1.271	0.808	/
	Level5&6			10	19100	1900	50	Mid	-0.03	0.645	19.82	21.00	1.312	0.846	/
	Level5&6			10	18700	1860	100	Low	0.04	0.610	19.91	21.00	1.285	0.784	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant. 0	Level5&6	QPSK	Bottom Edge	0	18900	1880	1	Low	-0.10	0.948	19.89	21.00	1.291	1.224	/
	Level5&6			0	18900	1880	50	Mid	0.15	0.968	19.98	21.00	1.265	1.224	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 2	Level1	QPSK	Left Cheek	0	20175	1732.5	1	Low	0.08	0.639	19.85	20.50	1.161	**0.742**	19#
	Level1			0	20175	1732.5	50	Mid	0.08	0.628	19.83	20.50	1.167	0.733	/
	Level1		Left Tilt	0	20175	1732.5	1	Low	0.10	0.077	19.85	20.50	1.161	0.089	/
	Level1			0	20175	1732.5	50	Mid	-0.10	0.081	19.83	20.50	1.167	0.095	/
	Level1		Right Cheek	0	20175	1732.5	1	Low	-0.17	0.412	19.85	20.50	1.161	0.479	/
	Level1			0	20175	1732.5	50	Mid	-0.15	0.425	19.83	20.50	1.167	0.496	/
	Level1		Right Tilt	0	20175	1732.5	1	Low	-0.19	0.138	19.85	20.50	1.161	0.160	/
	Level1			0	20175	1732.5	50	Mid	-0.03	0.143	19.83	20.50	1.167	0.167	/
Ant. 2	Level2&3	QPSK	Left Cheek	0	20175	1732.5	1	Low	0.19	0.597	19.28	20.00	1.180	0.705	/
	Level2&3			0	20175	1732.5	50	Mid	-0.01	0.588	19.31	20.00	1.172	0.689	/
	Level2&3		Left Tilt	0	20175	1732.5	1	Low	0.00	0.069	19.28	20.00	1.180	0.081	/
	Level2&3			0	20175	1732.5	50	Mid	-0.03	0.072	19.31	20.00	1.172	0.084	/
	Level2&3		Right Cheek	0	20175	1732.5	1	Low	-0.16	0.371	19.28	20.00	1.180	0.438	/
	Level2&3			0	20175	1732.5	50	Mid	0.14	0.385	19.31	20.00	1.172	0.451	/
	Level2&3		Right Tilt	0	20175	1732.5	1	Low	0.10	0.312	19.28	20.00	1.180	0.368	/
	Level2&3			0	20175	1732.5	50	Mid	-0.02	0.261	19.31	20.00	1.172	0.306	/
Ant. 0	Off	QPSK	Left Cheek	0	20175	1732.5	1	Low	-0.14	0.063	22.59	24.00	1.384	0.087	/
	Off			0	20175	1732.5	50	Mid	-0.15	0.051	21.59	23.00	1.384	0.071	/
	Off		Left Tilt	0	20175	1732.5	1	Low	-0.13	0.043	22.59	24.00	1.384	0.059	/
	Off			0	20175	1732.5	50	Mid	-0.11	0.035	21.59	23.00	1.384	0.048	/
	Off		Right Cheek	0	20175	1732.5	1	Low	0.07	0.059	22.59	24.00	1.384	0.082	/
	Off			0	20175	1732.5	50	Mid	-0.06	0.054	21.59	23.00	1.384	0.075	/
	Off		Right Tilt	0	20175	1732.5	1	Low	-0.06	0.012	22.59	24.00	1.384	0.017	/
	Off			0	20175	1732.5	50	Mid	0.03	0.010	21.59	23.00	1.384	0.014	/
Body-worn Accessory															
Ant. 2	Off	QPSK	Front Side	15	20175	1732.5	1	Low	0.18	0.184	22.59	24.00	1.384	0.255	/
	Off			15	20175	1732.5	50	Mid	0.06	0.149	21.59	23.00	1.384	0.206	/
	Off		Back Side	15	20175	1732.5	1	Low	-0.17	0.216	22.59	24.00	1.384	0.299	/
	Off			15	20175	1732.5	50	Mid	0.18	0.174	21.59	23.00	1.384	0.241	/
Ant. 0	Level4	QPSK	Front Side	15	20175	1732.5	1	Low	-0.05	0.216	21.88	23.00	1.294	0.280	/
	Level4			15	20175	1732.5	50	Mid	0.10	0.222	21.96	23.00	1.271	0.282	/
	Level4		Back Side	15	20175	1732.5	1	Low	0.12	0.226	21.88	23.00	1.294	0.292	/
	Level4			15	20175	1732.5	50	Mid	-0.04	0.241	21.96	23.00	1.271	**0.306**	20#
Ant. 0	Level5&6	QPSK	Front Side	15	20175	1732.5	1	Low	-0.13	0.194	21.46	22.50	1.271	0.246	/
	Level5&6			15	20175	1732.5	50	Low	-0.09	0.202	21.69	22.50	1.205	0.243	/
	Level5&6		Back Side	15	20175	1732.5	1	Low	0.00	0.203	21.46	22.50	1.271	0.258	/
	Level5&6			15	20175	1732.5	50	Low	0.01	0.214	21.69	22.50	1.205	0.258	/
Hotspot															
Ant. 2	Off	QPSK	Front Side	10	20175	1732.5	1	Low	-0.18	0.347	22.59	24.00	1.384	0.480	/

	Off			10	20175	1732.5	50	Mid	-0.11	0.282	21.59	23.00	1.384	0.390	/
	Off		Back Side	10	20175	1732.5	1	Low	0.15	0.389	22.59	24.00	1.384	0.538	/
	Off			10	20175	1732.5	50	Mid	0.18	0.318	21.59	23.00	1.384	0.440	/
	Off		Left Edge	10	20175	1732.5	1	Low	0.03	0.042	22.59	24.00	1.384	0.058	/
	Off			10	20175	1732.5	50	Mid	-0.16	0.045	21.59	23.00	1.384	0.062	/
	Off		Right Edge	10	20175	1732.5	1	Low	0.17	0.721	22.59	24.00	1.384	0.998	/
	Off			10	20050	1720	1	Low	-0.08	0.699	22.52	24.00	1.406	0.983	/
	Off			10	20300	1745	1	Low	-0.11	0.701	22.46	24.00	1.426	0.999	/
	Off			10	20175	1732.5	50	Mid	-0.15	0.566	21.59	23.00	1.384	0.783	/
	Off			10	20050	1720	100	Low	-0.04	0.573	21.56	23.00	1.393	0.798	/
	Off		Top Edge	10	20175	1732.5	1	Low	-0.09	0.090	22.59	24.00	1.384	0.125	/
	Off			10	20175	1732.5	50	Mid	-0.04	0.074	21.59	23.00	1.384	0.102	/
Ant. 0	Level5&6	QPSK	Front Side	10	20175	1732.5	1	Low	-0.04	0.345	21.46	22.50	1.271	0.438	/
	Level5&6			10	20175	1732.5	50	Low	-0.06	0.350	21.69	22.50	1.205	0.422	/
	Level5&6		Back Side	10	20175	1732.5	1	Low	0.06	0.465	21.46	22.50	1.271	0.591	/
	Level5&6			10	20175	1732.5	50	Low	0.12	0.475	21.69	22.50	1.205	0.572	/
	Level5&6		Left Edge	10	20175	1732.5	1	Low	0.00	0.054	21.46	22.50	1.271	0.069	/
	Level5&6			10	20175	1732.5	50	Low	0.06	0.059	21.69	22.50	1.205	0.071	/
	Level5&6		Right Edge	10	20175	1732.5	1	Low	0.17	0.043	21.46	22.50	1.271	0.055	/
	Level5&6			10	20175	1732.5	50	Low	-0.05	0.046	21.69	22.50	1.205	0.056	/
	Level5&6		Bottom Edge	10	20175	1732.5	1	Low	0.02	0.782	21.46	22.50	1.271	0.994	/
	Level5&6			10	20050	1720	1	Low	0.13	0.784	21.45	22.50	1.274	0.998	/
	Level5&6			10	20300	1745	1	Low	0.10	0.787	21.45	22.50	1.274	1.002	/
	Level5&6			10	20175	1732.5	50	Low	0.13	0.791	21.69	22.50	1.205	0.953	/
	Level5&6			10	20050	1720	50	Low	-0.19	0.796	21.54	22.50	1.247	0.993	/
	Level5&6			10	20300	1745	50	Mid	0.13	0.832	21.69	22.50	1.205	**1.003**	21#
	Level5&6			10	20050	1720	100	Low	-0.04	0.799	21.54	22.50	1.247	0.997	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant. 0	Level5&6	QPSK	Bottom Edge	0	20175	1732.5	1	Low	0.19	1.570	21.46	22.50	1.271	1.995	/
	Level5&6			0	20175	1732.5	50	Low	-0.13	1.630	21.69	22.50	1.205	1.964	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 1	Level1&2&3	QPSK	Left Cheek	0	20600	844	1	Low	-0.13	0.532	22.19	23.30	1.291	0.687	/
	Level1&2&3			0	20600	844	25	High	0.19	0.551	22.09	23.30	1.321	0.728	/
	Level1&2&3		Left Tilt	0	20600	844	1	Low	0.13	0.086	22.19	23.30	1.291	0.111	/
	Level1&2&3			0	20600	844	25	High	0.05	0.091	22.09	23.30	1.321	0.120	/
	Level1&2&3		Right Cheek	0	20600	844	1	Low	0.07	0.756	22.19	23.30	1.291	0.976	/
	Level1&2&3			0	20450	829	1	Low	0.04	0.590	22.19	23.30	1.291	0.762	/
	Level1&2&3			0	20525	836.5	1	Mid	0.10	0.687	22.10	23.30	1.318	0.906	/
	Level1&2&3			0	20600	844	25	High	0.06	0.774	22.09	23.30	1.321	1.023	/
	Level1&2&3			0	20450	829	25	High	-0.09	0.621	22.08	23.30	1.324	0.822	/
	Level1&2&3			0	20525	836.5	25	Mid	0.00	0.711	22.03	23.30	1.340	0.953	/
	Level1&2&3			0	20600	844	50	Low	-0.02	0.823	22.16	23.30	1.300	**1.070**	22#
	Level1&2&3		Right Tilt	0	20600	844	1	Low	0.12	0.100	22.19	23.30	1.291	0.129	/
	Level1&2&3			0	20600	844	25	High	0.19	0.105	22.09	23.30	1.321	0.139	/
Ant. 0	Off	QPSK	Left Cheek	0	20600	844	1	Low	-0.11	0.227	23.35	24.80	1.396	0.317	/
	Off			0	20600	844	25	Mid	0.12	0.194	22.31	23.80	1.409	0.273	/
	Off		Left Tilt	0	20600	844	1	Low	0.13	0.128	23.35	24.80	1.396	0.179	/
	Off			0	20600	844	25	Mid	0.08	0.097	22.31	23.80	1.409	0.137	/
	Off		Right Cheek	0	20600	844	1	Low	-0.12	0.199	23.35	24.80	1.396	0.278	/
	Off			0	20600	844	25	Mid	-0.07	0.160	22.31	23.80	1.409	0.225	/
	Off		Right Tilt	0	20600	844	1	Low	0.17	0.113	23.35	24.80	1.396	0.158	/
	Off			0	20600	844	25	Mid	-0.16	0.090	22.31	23.80	1.409	0.127	/
Body-worn Accessory															
Ant. 1	Off	QPSK	Front Side	15	20600	844	1	Low	-0.16	0.233	23.35	24.80	1.396	0.325	/
	Off			15	20600	844	25	Mid	-0.10	0.194	22.31	23.80	1.409	0.273	/
	Off		Back Side	15	20600	844	1	Low	-0.01	0.275	23.35	24.80	1.396	**0.384**	23#
	Off			15	20600	844	25	Mid	0.00	0.234	22.31	23.80	1.409	0.330	/

Ant. 0	Off	QPSK	Front Side	15	20600	844	1	Low	-0.17	0.146	23.35	24.80	1.396	0.204	/
	Off			15	20600	844	25	Mid	-0.10	0.126	22.31	23.80	1.409	0.178	/
	Off		Back Side	15	20600	844	1	Low	-0.08	0.170	23.35	24.80	1.396	0.237	/
	Off			15	20600	844	25	Mid	-0.16	0.149	22.31	23.80	1.409	0.210	/
Hotspot															
Ant. 1	Off	QPSK	Front Side	10	20600	844	1	Low	0.01	0.361	23.35	24.80	1.396	0.504	/
	Off			10	20600	844	25	Mid	0.04	0.300	22.31	23.80	1.409	0.423	/
	Off		Back Side	10	20600	844	1	Low	0.01	0.558	23.35	24.80	1.396	0.779	/
	Off			10	20600	844	25	Mid	-0.04	0.382	22.31	23.80	1.409	0.538	/
	Off		Left Edge	10	20600	844	1	Low	0.11	0.615	23.35	24.80	1.396	**0.859**	24#
	Off			10	20450	829	1	Low	0.14	0.543	23.23	24.80	1.435	0.779	/
	Off			10	20525	836.5	1	Mid	-0.10	0.456	23.11	24.80	1.476	0.673	/
	Off			10	20600	844	25	Low	0.04	0.516	22.31	23.80	1.409	0.727	/
	Off			10	20600	844	50	Low	0.07	0.496	22.30	23.80	1.413	0.701	/
	Off		Right Edge	10	20600	844	1	Low	-0.07	0.024	23.35	24.80	1.396	0.033	/
	Off			10	20600	844	25	Mid	0.11	0.012	22.31	23.80	1.409	0.016	/
	Off		Top Edge	10	20600	844	1	Low	0.13	0.008	23.35	24.80	1.396	0.011	/
	Off			10	20600	844	25	Mid	0.17	0.005	22.31	23.80	1.409	0.008	/
Ant. 0	Off	QPSK	Front Side	10	20600	844	1	Low	-0.13	0.162	23.35	24.80	1.396	0.226	/
	Off			10	20600	844	25	Mid	0.12	0.131	22.31	23.80	1.409	0.185	/
	Off		Back Side	10	20600	844	1	Low	-0.06	0.197	23.35	24.80	1.396	0.275	/
	Off			10	20600	844	25	Mid	-0.09	0.158	22.31	23.80	1.409	0.223	/
	Off		Left Edge	10	20600	844	1	Low	-0.16	0.049	23.35	24.80	1.396	0.068	/
	Off			10	20600	844	25	Mid	0.11	0.027	22.31	23.80	1.409	0.038	/
	Off		Right Edge	10	20600	844	1	Low	0.12	0.122	23.35	24.80	1.396	0.170	/
	Off			10	20600	844	25	Mid	0.12	0.104	22.31	23.80	1.409	0.147	/
	Off		Bottom Edge	10	20600	844	1	Low	0.17	0.159	23.35	24.80	1.396	0.222	/
	Off			10	20600	844	25	Mid	-0.13	0.132	22.31	23.80	1.409	0.186	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.9 LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 2	Level1	QPSK	Left Cheek	0	21100	2535	1	Low	0.11	0.443	19.07	19.50	1.104	0.489	/
	Level1			0	21100	2535	50	Mid	0.04	0.451	19.08	19.50	1.102	**0.497**	25#
	Level1		Left Tilt	0	21100	2535	1	Low	0.03	0.086	19.07	19.50	1.104	0.095	/
	Level1			0	21100	2535	50	Mid	0.07	0.090	19.08	19.50	1.102	0.099	/
	Level1		Right Cheek	0	21100	2535	1	Low	0.13	0.364	19.07	19.50	1.104	0.402	/
	Level1			0	21100	2535	50	Mid	0.13	0.377	19.08	19.50	1.102	0.415	/
	Level1		Right Tilt	0	21100	2535	1	Low	-0.17	0.181	19.07	19.50	1.104	0.200	/
	Level1			0	21100	2535	50	Mid	-0.09	0.193	19.08	19.50	1.102	0.213	/
Ant. 2	Level2&3	QPSK	Left Cheek	0	21100	2535	1	High	0.19	0.422	18.48	19.00	1.127	0.476	/
	Level2&3			0	21100	2535	50	Mid	-0.10	0.432	18.70	19.00	1.072	0.463	/
	Level2&3		Left Tilt	0	21100	2535	1	High	0.17	0.076	18.48	19.00	1.127	0.086	/
	Level2&3			0	21100	2535	50	Mid	0.19	0.081	18.70	19.00	1.072	0.087	/
	Level2&3		Right Cheek	0	21100	2535	1	High	0.12	0.312	18.48	19.00	1.127	0.352	/
	Level2&3			0	21100	2535	50	Mid	-0.02	0.329	18.70	19.00	1.072	0.353	/
	Level2&3		Right Tilt	0	21100	2535	1	High	0.12	0.157	18.48	19.00	1.127	0.177	/
	Level2&3			0	21100	2535	50	Mid	-0.15	0.166	18.70	19.00	1.072	0.178	/
Ant. 0	Off	QPSK	Left Cheek	0	21100	2535	1	High	-0.09	0.084	22.42	23.50	1.282	0.108	/
	Off			0	21100	2535	50	High	-0.02	0.062	21.36	22.50	1.300	0.081	/
	Off		Left Tilt	0	21100	2535	1	High	-0.08	0.033	22.42	23.50	1.282	0.042	/
	Off			0	21100	2535	50	High	-0.09	0.019	21.36	22.50	1.300	0.025	/
	Off		Right Cheek	0	21100	2535	1	High	0.00	0.043	22.42	23.50	1.282	0.055	/
	Off			0	21100	2535	50	High	-0.07	0.023	21.36	22.50	1.300	0.030	/
	Off		Right Tilt	0	21100	2535	1	High	-0.12	0.015	22.42	23.50	1.282	0.020	/
	Off			0	21100	2535	50	High	-0.14	0.010	21.36	22.50	1.300	0.013	/
Body-worn Accessory															
Ant. 2	Off	QPSK	Front Side	15	21100	2535	1	High	-0.10	0.200	22.42	23.50	1.282	0.256	/
	Off			15	21100	2535	50	High	-0.12	0.159	21.36	22.50	1.300	0.207	/
	Off		Back Side	15	21100	2535	1	High	0.16	0.182	22.42	23.50	1.282	0.233	/
	Off			15	21100	2535	50	High	-0.11	0.143	21.36	22.50	1.300	0.186	/
Ant. 0	Off	QPSK	Front Side	15	21100	2535	1	High	0.09	0.245	22.42	23.50	1.282	0.314	/
	Off			15	21100	2535	50	High	0.04	0.194	21.36	22.50	1.300	0.252	/
	Off		Back Side	15	21100	2535	1	High	0.12	0.357	22.42	23.50	1.282	**0.458**	26#
	Off			15	21100	2535	50	High	-0.03	0.265	21.36	22.50	1.300	0.345	/
Hotspot															
Ant. 2	Off	QPSK	Front Side	10	21100	2535	1	High	-0.12	0.334	22.42	23.50	1.282	0.428	/
	Off			10	21100	2535	50	High	0.12	0.268	21.36	22.50	1.300	0.348	/
	Off		Back Side	10	21100	2535	1	High	-0.04	0.302	22.42	23.50	1.282	0.387	/
	Off			10	21100	2535	50	High	0.02	0.240	21.36	22.50	1.300	0.312	/
	Off		Left Edge	10	21100	2535	1	High	-0.10	0.035	22.42	23.50	1.282	0.044	/

	Off			10	21100	2535	50	High	0.18	0.022	21.36	22.50	1.300	0.028	/
	Off		Right Edge	10	21100	2535	1	High	-0.18	0.558	22.42	23.50	1.282	0.716	/
	Off			10	21100	2535	50	High	0.06	0.455	21.36	22.50	1.300	0.592	/
	Off		Top Edge	10	21100	2535	1	High	0.15	0.059	22.42	23.50	1.282	0.076	/
	Off			10	21100	2535	50	High	-0.06	0.054	21.36	22.50	1.300	0.070	/
Ant. 0	Off	QPSK	Front Side	10	21100	2535	1	High	-0.03	0.437	22.42	23.50	1.282	0.560	/
	Off			10	21100	2535	50	High	0.04	0.347	21.36	22.50	1.300	0.451	/
	Off		Back Side	10	21100	2535	1	High	0.09	0.618	22.42	23.50	1.282	**0.792**	27#
	Off			10	21100	2535	50	High	-0.17	0.486	21.36	22.50	1.300	0.632	/
	Off		Left Edge	10	21100	2535	1	High	0.07	0.119	22.42	23.50	1.282	0.153	/
	Off			10	21100	2535	50	High	0.10	0.093	21.36	22.50	1.300	0.121	/
	Off		Right Edge	10	21100	2535	1	High	0.04	0.114	22.42	23.50	1.282	0.146	/
	Off			10	21100	2535	50	High	0.02	0.090	21.36	22.50	1.300	0.117	/
	Off		Bottom Edge	10	21100	2535	1	High	-0.13	0.564	22.42	23.50	1.282	0.723	/
	Off			10	21100	2535	50	High	-0.07	0.456	21.36	22.50	1.300	0.593	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.10 LTE Band 7 (20MHz Bandwidth) Worse case for CA Test

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 2	Level1	QPSK	Left Cheek	0	21100 +21298	2535 +2554.8	1+1	High +Low	0.05	0.402	18.78	19.50	1.180	0.474	/
Body-worn Accessory															
Ant. 0	Off	QPSK	Back Side	15	21100 +21298	2535 +2554.8	1+1	High +Low	-0.03	0.301	21.86	23.50	1.459	0.439	/
Hotspot															
Ant. 0	Off	QPSK	Back Side	10	21100 +21298	2535 +2554.8	1+1	High +Low	0.02	0.530	21.86	23.50	1.459	0.773	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 1	Level1	QPSK	Left Cheek	0	23130	711	1	Low	-0.10	0.218	21.91	23.00	1.285	0.280	/
	Level1			0	23130	711	25	Mid	0.12	0.233	21.58	23.00	1.387	0.323	/
	Level1		Left Tilt	0	23130	711	1	Low	0.05	0.023	21.91	23.00	1.285	0.029	/
	Level1			0	23130	711	25	Mid	0.15	0.035	21.58	23.00	1.387	0.048	/
	Level1		Right Cheek	0	23130	711	1	Low	-0.09	0.322	21.91	23.00	1.285	0.414	/
	Level1			0	23130	711	25	Mid	0.01	0.363	21.58	23.00	1.387	**0.503**	28#
	Level1		Right Tilt	0	23130	711	1	Low	-0.11	0.035	21.91	23.00	1.285	0.045	/
	Level1			0	23130	711	25	Mid	0.11	0.046	21.58	23.00	1.387	0.064	/
Ant. 1	Level2&3	QPSK	Left Cheek	0	23130	711	1	Low	-0.15	0.187	21.31	22.50	1.315	0.246	/
	Level2&3			0	23130	711	25	Mid	0.05	0.203	21.39	22.50	1.291	0.262	/
	Level2&3		Left Tilt	0	23130	711	1	Low	-0.07	0.020	21.31	22.50	1.315	0.027	/
	Level2&3			0	23130	711	25	Mid	-0.12	0.035	21.39	22.50	1.291	0.045	/
	Level2&3		Right Cheek	0	23130	711	1	Low	0.02	0.271	21.31	22.50	1.315	0.356	/
	Level2&3			0	23130	711	25	Mid	-0.06	0.296	21.39	22.50	1.291	0.382	/
	Level2&3		Right Tilt	0	23130	711	1	Low	-0.13	0.025	21.31	22.50	1.315	0.033	/
	Level2&3			0	23130	711	25	Mid	-0.09	0.040	21.39	22.50	1.291	0.051	/
Ant. 0	Off	QPSK	Left Cheek	0	23130	711	1	Low	-0.13	0.117	22.56	24.00	1.393	0.163	/
	Off			0	23130	711	25	Low	-0.01	0.099	21.57	23.00	1.390	0.138	/
	Off		Left Tilt	0	23130	711	1	Low	0.03	0.066	22.56	24.00	1.393	0.092	/
	Off			0	23130	711	25	Low	0.18	0.051	21.57	23.00	1.390	0.071	/
	Off		Right Cheek	0	23130	711	1	Low	-0.13	0.092	22.56	24.00	1.393	0.128	/
	Off			0	23130	711	25	Low	-0.14	0.075	21.57	23.00	1.390	0.104	/
	Off		Right Tilt	0	23130	711	1	Low	0.14	0.053	22.56	24.00	1.393	0.074	/
	Off			0	23130	711	25	Low	-0.07	0.046	21.57	23.00	1.390	0.064	/
Body-worn Accessory															
Ant. 1	Off	QPSK	Front Side	15	23130	711	1	Low	-0.07	0.104	22.56	24.00	1.393	0.145	/
	Off			15	23130	711	25	Low	-0.07	0.089	21.57	23.00	1.390	0.124	/
	Off		Back Side	15	23130	711	1	Low	0.15	0.128	22.56	24.00	1.393	0.178	/
	Off			15	23130	711	25	Low	-0.15	0.109	21.57	23.00	1.390	0.152	/
Ant. 0	Off	QPSK	Front Side	15	23130	711	1	Low	0.05	0.140	22.56	24.00	1.393	0.195	/
	Off			15	23130	711	25	Low	0.13	0.135	21.57	23.00	1.390	0.188	/
	Off		Back Side	15	23130	711	1	Low	0.01	0.174	22.56	24.00	1.393	**0.242**	29#
	Off			15	23130	711	25	Low	0.05	0.143	21.57	23.00	1.390	0.199	/
Hotspot															
Ant. 1	Off	QPSK	Front Side	10	23130	711	1	Low	0.11	0.180	22.56	24.00	1.393	0.251	/
	Off			10	23130	711	25	Low	-0.15	0.151	21.57	23.00	1.390	0.210	/
	Off		Back Side	10	23130	711	1	Low	-0.03	0.222	22.56	24.00	1.393	0.309	/
	Off			10	23130	711	25	Low	-0.09	0.187	21.57	23.00	1.390	0.260	/
	Off		Left Edge	10	23130	711	1	Low	0.15	0.337	22.56	24.00	1.393	**0.469**	30#

	Off			10	23130	711	25	Low	-0.02	0.259	21.57	23.00	1.390	0.360	/
	Off		Right Edge	10	23130	711	1	Low	0.05	0.035	22.56	24.00	1.393	0.048	/
	Off			10	23130	711	25	Low	0.02	0.021	21.57	23.00	1.390	0.030	/
	Off		Top Edge	10	23130	711	1	Low	-0.11	0.019	22.56	24.00	1.393	0.026	/
	Off			10	23130	711	25	Low	-0.01	0.011	21.57	23.00	1.390	0.015	/
Ant. 0	Off	QPSK	Front Side	10	23130	711	1	Low	0.06	0.149	22.56	24.00	1.393	0.208	/
	Off			10	23130	711	25	Low	0.12	0.123	21.57	23.00	1.390	0.171	/
	Off		Back Side	10	23130	711	1	Low	0.01	0.198	22.56	24.00	1.393	0.276	/
	Off			10	23130	711	25	Low	0.05	0.165	21.57	23.00	1.390	0.229	/
	Off		Left Edge	10	23130	711	1	Low	0.06	0.096	22.56	24.00	1.393	0.134	/
	Off			10	23130	711	25	Low	0.06	0.092	21.57	23.00	1.390	0.128	/
	Off		Right Edge	10	23130	711	1	Low	0.11	0.115	22.56	24.00	1.393	0.160	/
	Off			10	23130	711	25	Low	0.10	0.109	21.57	23.00	1.390	0.152	/
	Off		Bottom Edge	10	23130	711	1	Low	0.06	0.096	22.56	24.00	1.393	0.134	/
	Off			10	23130	711	25	Low	-0.10	0.079	21.57	23.00	1.390	0.110	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.12 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 1	Off	QPSK	Left Cheek	0	23790	710	1	Mid	-0.13	0.281	22.48	24.00	1.419	0.399	/
	Off			0	23790	710	25	High	0.02	0.234	21.59	23.00	1.384	0.324	/
	Off		Left Tilt	0	23790	710	1	Mid	-0.08	0.045	22.48	24.00	1.419	0.064	/
	Off			0	23790	710	25	High	0.18	0.038	21.59	23.00	1.384	0.052	/
	Off		Right Cheek	0	23790	710	1	Mid	0.04	0.409	22.48	24.00	1.419	**0.580**	31#
	Off			0	23790	710	25	High	0.02	0.401	21.59	23.00	1.384	0.555	/
	Off		Right Tilt	0	23790	710	1	Mid	0.12	0.057	22.48	24.00	1.419	0.081	/
	Off			0	23790	710	25	High	0.17	0.050	21.59	23.00	1.384	0.069	/
Ant. 1	Level2&3	QPSK	Left Cheek	0	23790	710	1	Mid	0.05	0.209	22.26	23.50	1.330	0.278	/
	Level2&3			0	23790	710	25	High	0.09	0.202	21.58	23.00	1.387	0.280	/
	Level2&3		Left Tilt	0	23790	710	1	Mid	0.03	0.032	22.26	23.50	1.330	0.043	/
	Level2&3			0	23790	710	25	High	-0.08	0.025	21.58	23.00	1.387	0.034	/
	Level2&3		Right Cheek	0	23790	710	1	Mid	0.13	0.383	22.26	23.50	1.330	0.510	/
	Level2&3			0	23790	710	25	High	0.17	0.375	21.58	23.00	1.387	0.520	/
	Level2&3		Right Tilt	0	23790	710	1	Mid	-0.03	0.048	22.26	23.50	1.330	0.064	/
	Level2&3			0	23790	710	25	High	0.17	0.045	21.58	23.00	1.387	0.062	/
Ant. 0	Off	QPSK	Left Cheek	0	23790	710	1	Mid	0.09	0.116	22.48	24.00	1.419	0.165	/
	Off			0	23790	710	25	High	-0.15	0.096	21.59	23.00	1.384	0.133	/
	Off		Left Tilt	0	23790	710	1	Mid	0.06	0.067	22.48	24.00	1.419	0.095	/
	Off			0	23790	710	25	High	0.10	0.050	21.59	23.00	1.384	0.069	/
	Off		Right Cheek	0	23790	710	1	Mid	0.16	0.090	22.48	24.00	1.419	0.128	/
	Off			0	23790	710	25	High	0.09	0.074	21.59	23.00	1.384	0.102	/
	Off		Right Tilt	0	23790	710	1	Mid	-0.02	0.051	22.48	24.00	1.419	0.072	/
	Off			0	23790	710	25	High	0.03	0.044	21.59	23.00	1.384	0.061	/
Body-worn Accessory															
Ant. 1	Off	QPSK	Front Side	15	23790	710	1	Mid	0.13	0.108	22.48	24.00	1.419	0.153	/
	Off			15	23790	710	25	High	0.04	0.092	21.59	23.00	1.384	0.127	/
	Off		Back Side	15	23790	710	1	Mid	0.14	0.125	22.48	24.00	1.419	0.177	/
	Off			15	23790	710	25	High	0.07	0.106	21.59	23.00	1.384	0.147	/
Ant. 0	Off	QPSK	Front Side	15	23790	710	1	Mid	0.06	0.156	22.48	24.00	1.419	0.221	/
	Off			15	23790	710	25	High	-0.07	0.135	21.59	23.00	1.384	0.187	/
	Off		Back Side	15	23790	710	1	Mid	0.03	0.171	22.48	24.00	1.419	**0.243**	32#
	Off			15	23790	710	25	High	0.07	0.151	21.59	23.00	1.384	0.209	/
Hotspot															
Ant. 1	Off	QPSK	Front Side	10	23790	710	1	Mid	-0.10	0.174	22.48	24.00	1.419	0.247	/
	Off			10	23790	710	25	High	-0.03	0.144	21.59	23.00	1.384	0.199	/
	Off		Back Side	10	23790	710	1	Mid	0.12	0.220	22.48	24.00	1.419	0.312	/
	Off			10	23790	710	25	High	0.08	0.182	21.59	23.00	1.384	0.252	/
	Off		Left Edge	10	23790	710	1	Mid	0.10	0.324	22.48	24.00	1.419	**0.460**	33#

	Off			10	23790	710	25	High	-0.07	0.261	21.59	23.00	1.384	0.361	/
	Off		Right Edge	10	23790	710	1	Mid	-0.17	0.049	22.48	24.00	1.419	0.069	/
	Off			10	23790	710	25	High	0.11	0.032	21.59	23.00	1.384	0.044	/
	Off		Top Edge	10	23790	710	1	Mid	0.06	0.009	22.48	24.00	1.419	0.013	/
	Off			10	23790	710	25	High	-0.07	0.006	21.59	23.00	1.384	0.009	/
Ant. 0	Off	QPSK	Front Side	10	23790	710	1	Mid	0.15	0.159	22.48	24.00	1.419	0.226	/
	Off			10	23790	710	25	High	0.06	0.130	21.59	23.00	1.384	0.180	/
	Off		Back Side	10	23790	710	1	Mid	0.02	0.201	22.48	24.00	1.419	0.285	/
	Off			10	23790	710	25	High	0.13	0.167	21.59	23.00	1.384	0.231	/
	Off		Left Edge	10	23790	710	1	Mid	0.04	0.261	22.48	24.00	1.419	0.370	/
	Off			10	23790	710	25	High	0.08	0.214	21.59	23.00	1.384	0.296	/
	Off		Right Edge	10	23790	710	1	Mid	0.10	0.143	22.48	24.00	1.419	0.203	/
	Off			10	23790	710	25	High	0.10	0.089	21.59	23.00	1.384	0.123	/
	Off		Bottom Edge	10	23790	710	1	Mid	-0.01	0.094	22.48	24.00	1.419	0.133	/
	Off			10	23790	710	25	High	0.04	0.078	21.59	23.00	1.384	0.108	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.13 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 1	Level1	QPSK	Left Cheek	0	26865	831.5	1	Low	0.18	0.413	22.24	23.30	1.276	0.527	/
	Level1			0	26865	831.5	36	Mid	0.18	0.463	22.28	23.30	1.265	0.586	/
	Level1		Left Tilt	0	26865	831.5	1	Low	0.15	0.069	22.24	23.30	1.276	0.088	/
	Level1			0	26865	831.5	36	Mid	-0.02	0.078	22.28	23.30	1.265	0.099	/
	Level1		Right Cheek	0	26865	831.5	1	Low	0.14	0.576	22.24	23.30	1.276	0.735	/
	Level1			0	26865	831.5	36	Mid	0.09	0.641	22.28	23.30	1.265	0.811	/
	Level1			0	26765	821.5	36	Mid	-0.16	0.509	22.28	23.30	1.265	0.644	/
	Level1			0	26965	841.5	36	Low	0.08	0.792	22.22	23.30	1.282	**1.016**	34#
	Level1			0	26765	821.5	75	Low	-0.03	0.752	22.25	23.30	1.274	0.958	/
	Level1		Right Tilt	0	26865	831.5	1	Low	-0.17	0.081	22.24	23.30	1.276	0.103	/
	Level1			0	26865	831.5	36	Mid	0.14	0.091	22.28	23.30	1.265	0.115	/
Ant. 1	Level2&3	QPSK	Left Cheek	0	26865	831.5	1	Low	0.00	0.369	21.58	22.80	1.324	0.489	/
	Level2&3			0	26865	831.5	36	Mid	-0.07	0.406	21.67	22.80	1.297	0.527	/
	Level2&3		Left Tilt	0	26865	831.5	1	Low	0.06	0.062	21.58	22.80	1.324	0.082	/
	Level2&3			0	26865	831.5	36	Mid	0.00	0.068	21.67	22.80	1.297	0.088	/
	Level2&3		Right Cheek	0	26865	831.5	1	Low	-0.03	0.503	21.58	22.80	1.324	0.666	/
	Level2&3			0	26865	831.5	36	Mid	-0.10	0.574	21.67	22.80	1.297	0.745	/
	Level2&3		Right Tilt	0	26865	831.5	1	Low	-0.17	0.074	21.58	22.80	1.324	0.098	/
	Level2&3			0	26865	831.5	36	Mid	0.11	0.084	21.67	22.80	1.297	0.109	/
Ant. 0	Off	QPSK	Left Cheek	0	26965	841.5	1	Low	-0.16	0.206	23.31	24.80	1.409	0.290	/
	Off			0	26965	841.5	36	Low	0.16	0.177	22.37	23.80	1.390	0.246	/
	Off		Left Tilt	0	26965	841.5	1	Low	-0.11	0.117	23.31	24.80	1.409	0.165	/
	Off			0	26965	841.5	36	Low	-0.17	0.100	22.37	23.80	1.390	0.139	/
	Off		Right Cheek	0	26965	841.5	1	Low	-0.16	0.160	23.31	24.80	1.409	0.225	/
	Off			0	26965	841.5	36	Low	-0.04	0.137	22.37	23.80	1.390	0.190	/
	Off		Right Tilt	0	26965	841.5	1	Low	-0.10	0.099	23.31	24.80	1.409	0.140	/
	Off			0	26965	841.5	36	Low	0.15	0.085	22.37	23.80	1.390	0.118	/
Body-worn Accessory															
Ant. 1	Off	QPSK	Front Side	15	26965	841.5	1	Low	0.13	0.151	23.31	24.80	1.409	0.213	/
	Off			15	26965	841.5	36	Low	0.00	0.140	22.37	23.80	1.390	0.195	/
	Off		Back Side	15	26965	841.5	1	Low	0.10	0.157	23.31	24.80	1.409	0.221	/
	Off			15	26965	841.5	36	Low	0.03	0.148	22.37	23.80	1.390	0.206	/
Ant. 0	Off	QPSK	Front Side	15	26965	841.5	1	Low	0.19	0.155	23.31	24.80	1.409	0.218	/
	Off			15	26965	841.5	36	Low	-0.15	0.147	22.37	23.80	1.390	0.204	/
	Off		Back Side	15	26965	841.5	1	Low	-0.01	0.164	23.31	24.80	1.409	**0.231**	35#
	Off			15	26965	841.5	36	Low	-0.13	0.151	22.37	23.80	1.390	0.210	/
Hotspot															
Ant. 1	Off	QPSK	Front Side	10	26965	841.5	1	Low	0.10	0.333	23.31	24.80	1.409	0.469	/
	Off			10	26965	841.5	36	Low	0.17	0.299	22.37	23.80	1.390	0.416	/

	Off		Back Side	10	26965	841.5	1	Low	-0.10	0.410	23.31	24.80	1.409	0.578	/
	Off			10	26965	841.5	36	Low	0.05	0.367	22.37	23.80	1.390	0.510	/
	Off		Left Edge	10	26965	841.5	1	Low	0.11	0.624	23.31	24.80	1.409	**0.879**	36#
	Off			10	26765	821.5	1	Low	0.01	0.618	23.29	23.80	1.125	0.695	/
	Off		Right Edge	10	26865	831.5	1	Low	0.09	0.597	23.27	23.80	1.130	0.674	/
	Off			10	26865	831.5	36	Low	0.16	0.451	22.37	23.80	1.390	0.627	/
	Off		Right Edge	10	26765	821.5	75	Low	0.02	0.450	22.31	23.80	1.409	0.634	/
	Off			10	26965	841.5	1	Low	-0.14	0.067	23.31	24.80	1.409	0.095	/
	Off			10	26965	841.5	36	Low	-0.13	0.045	22.37	23.80	1.390	0.062	/
	Off		Top Edge	10	26965	841.5	1	Low	-0.04	0.035	23.31	24.80	1.409	0.049	/
	Off			10	26965	841.5	36	Low	-0.01	0.017	22.37	23.80	1.390	0.023	/
Ant. 0	Off	QPSK	Front Side	10	26965	841.5	1	Low	0.14	0.189	23.31	24.80	1.409	0.266	/
	Off			10	26965	841.5	36	Low	0.17	0.152	22.37	23.80	1.390	0.211	/
	Off		Back Side	10	26965	841.5	1	Low	0.13	0.222	23.31	24.80	1.409	0.313	/
	Off			10	26965	841.5	36	Low	0.08	0.181	22.37	23.80	1.390	0.252	/
	Off		Left Edge	10	26965	841.5	1	Low	0.10	0.109	23.31	24.80	1.409	0.154	/
	Off			10	26965	841.5	36	Low	-0.09	0.071	22.37	23.80	1.390	0.099	/
	Off		Right Edge	10	26965	841.5	1	Low	0.19	0.204	23.31	24.80	1.409	0.287	/
	Off			10	26965	841.5	36	Low	-0.07	0.132	22.37	23.80	1.390	0.183	/
	Off		Bottom Edge	10	26965	841.5	1	Low	0.03	0.151	23.31	24.80	1.409	0.213	/
	Off			10	26965	841.5	36	Low	0.08	0.139	22.37	23.80	1.390	0.193	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

10.14 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 2	Level1	QPSK	Left Cheek	0	37850	2580	1	High	-0.05	0.523	21.96	22.50	1.132	0.592	/
	Level1			0	37850	2580	50	Mid	0.16	0.538	22.04	22.50	1.112	**0.598**	37#
	Level1		Left Tilt	0	37850	2580	1	High	-0.04	0.100	21.96	22.50	1.132	0.113	/
	Level1			0	37850	2580	50	Mid	0.06	0.103	22.04	22.50	1.112	0.115	/
	Level1		Right Cheek	0	37850	2580	1	High	-0.16	0.407	21.96	22.50	1.132	0.461	/
	Level1			0	37850	2580	50	Mid	-0.14	0.427	22.04	22.50	1.112	0.475	/
	Level1		Right Tilt	0	37850	2580	1	High	-0.09	0.222	21.96	22.50	1.132	0.251	/
	Level1			0	37850	2580	50	Mid	-0.16	0.232	22.04	22.50	1.112	0.258	/
Ant. 2	Level2&3	QPSK	Left Cheek	0	37850	2580	1	Low	-0.18	0.514	21.38	22.00	1.153	0.593	/
	Level2&3			0	37850	2580	50	Mid	-0.06	0.521	21.49	22.00	1.125	0.586	/
	Level2&3		Left Tilt	0	37850	2580	1	Low	-0.01	0.096	21.38	22.00	1.153	0.111	/
	Level2&3			0	37850	2580	50	Mid	0.17	0.094	21.49	22.00	1.125	0.106	/
	Level2&3		Right Cheek	0	37850	2580	1	Low	0.01	0.365	21.38	22.00	1.153	0.421	/
	Level2&3			0	37850	2580	50	Mid	-0.18	0.382	21.49	22.00	1.125	0.430	/
	Level2&3		Right Tilt	0	37850	2580	1	Low	-0.06	0.190	21.38	22.00	1.153	0.219	/
	Level2&3			0	37850	2580	50	Mid	0.06	0.202	21.49	22.00	1.125	0.227	/
Ant. 0	Off	QPSK	Left Cheek	0	37850	2580	1	Mid	0.02	0.054	22.97	24.00	1.268	0.068	/
	Off			0	37850	2580	50	Mid	-0.05	0.045	21.96	23.00	1.271	0.057	/
	Off		Left Tilt	0	37850	2580	1	Mid	0.05	0.010	22.97	24.00	1.268	0.013	/
	Off			0	37850	2580	50	Mid	-0.02	0.008	21.96	23.00	1.271	0.010	/
	Off		Right Cheek	0	37850	2580	1	Mid	0.13	0.039	22.97	24.00	1.268	0.049	/
	Off			0	37850	2580	50	Mid	-0.16	0.033	21.96	23.00	1.271	0.042	/
	Off		Right Tilt	0	37850	2580	1	Mid	0.15	0.006	22.97	24.00	1.268	0.008	/
	Off			0	37850	2580	50	Mid	0.02	0.004	21.96	23.00	1.271	0.005	/
Body-worn Accessory															
Ant. 2	Off	QPSK	Front Side	15	37850	2580	1	Mid	-0.11	0.110	22.97	24.00	1.268	0.139	/
	Off			15	37850	2580	50	Mid	0.13	0.093	21.96	23.00	1.271	0.118	/
	Off		Back Side	15	37850	2580	1	Mid	-0.16	0.120	22.97	24.00	1.268	0.152	/
	Off			15	37850	2580	50	Mid	-0.11	0.100	21.96	23.00	1.271	0.127	/
Ant. 0	Off	QPSK	Front Side	15	37850	2580	1	Mid	-0.06	0.154	22.97	24.00	1.268	0.195	/
	Off			15	37850	2580	50	Mid	-0.02	0.133	21.96	23.00	1.271	0.169	/
	Off		Back Side	15	37850	2580	1	Mid	0.13	0.213	22.97	24.00	1.268	**0.270**	38#
	Off			15	37850	2580	50	Mid	0.16	0.177	21.96	23.00	1.271	0.225	/
Hotspot															
Ant. 2	Off	QPSK	Front Side	10	37850	2580	1	Mid	-0.18	0.192	22.97	24.00	1.268	0.243	/
	Off			10	37850	2580	50	Mid	0.16	0.159	21.96	23.00	1.271	0.202	/
	Off		Back Side	10	37850	2580	1	Mid	-0.02	0.205	22.97	24.00	1.268	0.260	/
	Off			10	37850	2580	50	Mid	-0.16	0.163	21.96	23.00	1.271	0.207	/
	Off		Left Edge	10	37850	2580	1	Mid	0.05	0.027	22.97	24.00	1.268	0.034	/

	Off			10	37850	2580	50	Mid	0.18	0.020	21.96	23.00	1.271	0.026	/
	Off		Right Edge	10	37850	2580	1	Mid	-0.14	0.495	22.97	24.00	1.268	**0.627**	39#
	Off			10	37850	2580	50	Mid	-0.02	0.309	21.96	23.00	1.271	0.393	/
	Off		Top Edge	10	37850	2580	1	Mid	-0.17	0.079	22.97	24.00	1.268	0.100	/
	Off			10	37850	2580	50	Mid	-0.03	0.052	21.96	23.00	1.271	0.066	/
Ant. 0	Off	QPSK	Front Side	10	37850	2580	1	Mid	0.01	0.273	22.97	24.00	1.268	0.346	/
	Off			10	37850	2580	50	Mid	-0.18	0.188	21.96	23.00	1.271	0.239	/
	Off		Back Side	10	37850	2580	1	Mid	-0.16	0.366	22.97	24.00	1.268	0.464	/
	Off			10	37850	2580	50	Mid	-0.08	0.310	21.96	23.00	1.271	0.394	/
	Off		Left Edge	10	37850	2580	1	Mid	-0.16	0.048	22.97	24.00	1.268	0.061	/
	Off			10	37850	2580	50	Mid	0.13	0.039	21.96	23.00	1.271	0.050	/
	Off		Right Edge	10	37850	2580	1	Mid	0.05	0.026	22.97	24.00	1.268	0.033	/
	Off			10	37850	2580	50	Mid	0.13	0.018	21.96	23.00	1.271	0.023	/
	Off		Bottom Edge	10	37850	2580	1	Mid	-0.03	0.364	22.97	24.00	1.268	0.461	/
	Off			10	37850	2580	50	Mid	0.08	0.288	21.96	23.00	1.271	0.366	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.15 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 2	Level1&2&3	QPSK	Left Cheek	0	40765	2607.5	1	LOW	0.01	0.381	21.31	22.00	1.172	**0.447**	40#
	Level1&2&3			0	40765	2607.5	50	MID	0.04	0.378	21.29	22.00	1.178	0.445	/
	Level1&2&3		Left Tilt	0	40765	2607.5	1	LOW	-0.11	0.106	21.31	22.00	1.172	0.124	/
	Level1&2&3			0	40765	2607.5	50	MID	0.12	0.098	21.29	22.00	1.178	0.115	/
	Level1&2&3		Right Cheek	0	40765	2607.5	1	LOW	-0.06	0.352	21.31	22.00	1.172	0.413	/
	Level1&2&3			0	40765	2607.5	50	MID	-0.03	0.342	21.29	22.00	1.178	0.403	/
	Level1&2&3		Right Tilt	0	40765	2607.5	1	LOW	0.18	0.225	21.31	22.00	1.172	0.264	/
	Level1&2&3			0	40765	2607.5	50	MID	-0.14	0.226	21.29	22.00	1.178	0.266	/
Ant. 0	Off	QPSK	Left Cheek	0	40765	2607.5	1	Low	0.03	0.044	23.53	24.00	1.114	0.049	/
	Off			0	40765	2607.5	50	Mid	0.02	0.031	22.57	23.00	1.104	0.034	/
	Off		Left Tilt	0	40765	2607.5	1	Low	0.01	0.011	23.53	24.00	1.114	0.012	/
	Off			0	40765	2607.5	50	Mid	0.14	0.007	22.57	23.00	1.104	0.007	/
	Off		Right Cheek	0	40765	2607.5	1	Low	0.09	0.029	23.53	24.00	1.114	0.032	/
	Off			0	40765	2607.5	50	Mid	-0.17	0.018	22.57	23.00	1.104	0.019	/
	Off		Right Tilt	0	40765	2607.5	1	Low	-0.02	0.021	23.53	24.00	1.114	0.024	/
	Off			0	40765	2607.5	50	Mid	0.04	0.013	22.57	23.00	1.104	0.015	/
Body-worn Accessory															
Ant. 2	Off	QPSK	Front Side	15	40765	2607.5	1	Low	-0.05	0.101	23.53	24.00	1.114	0.113	/
	Off			15	40765	2607.5	50	Mid	0.17	0.086	22.57	23.00	1.104	0.095	/
	Off		Back Side	15	40765	2607.5	1	Low	-0.14	0.102	23.53	24.00	1.114	0.114	/
	Off			15	40765	2607.5	50	Mid	0.12	0.079	22.57	23.00	1.104	0.087	/
Ant. 0	Off	QPSK	Front Side	15	40765	2607.5	1	Low	-0.09	0.160	23.53	24.00	1.114	0.178	/
	Off			15	40765	2607.5	50	Mid	0.03	0.129	22.57	23.00	1.104	0.142	/
	Off		Back Side	15	40765	2607.5	1	Low	0.14	0.238	23.53	24.00	1.114	**0.265**	41#
	Off			15	40765	2607.5	50	Mid	0.08	0.171	22.57	23.00	1.104	0.189	/
Hotspot															
Ant. 2	Off	QPSK	Front Side	10	40765	2607.5	1	Low	-0.17	0.198	23.53	24.00	1.114	0.221	/
	Off			10	40765	2607.5	50	Mid	0.05	0.155	22.57	23.00	1.104	0.171	/
	Off		Back Side	10	40765	2607.5	1	Low	-0.17	0.221	23.53	24.00	1.114	0.246	/
	Off			10	40765	2607.5	50	Mid	0.07	0.168	22.57	23.00	1.104	0.185	/
	Off		Left Edge	10	40765	2607.5	1	Low	-0.10	0.016	23.53	24.00	1.114	0.017	/

	Off			10	40765	2607.5	50	Mid	0.15	0.011	22.57	23.00	1.104	0.012	/
	Off		Right Edge	10	40765	2607.5	1	Low	0.04	0.512	23.53	24.00	1.114	**0.571**	42#
	Off			10	40765	2607.5	50	Mid	0.13	0.350	22.57	23.00	1.104	0.386	/
	Off		Top Edge	10	40765	2607.5	1	Low	-0.10	0.102	23.53	24.00	1.114	0.114	/
	Off			10	40765	2607.5	50	Mid	-0.08	0.079	22.57	23.00	1.104	0.087	/
Ant. 0	Off	QPSK	Front Side	10	40765	2607.5	1	Low	-0.04	0.260	23.53	24.00	1.114	0.290	/
	Off			10	40765	2607.5	50	Mid	-0.03	0.210	22.57	23.00	1.104	0.232	/
	Off		Back Side	10	40765	2607.5	1	Low	0.11	0.351	23.53	24.00	1.114	0.391	/
	Off			10	40765	2607.5	50	Mid	-0.17	0.280	22.57	23.00	1.104	0.309	/
	Off		Left Edge	10	40765	2607.5	1	Low	0.15	0.044	23.53	24.00	1.114	0.049	/
	Off			10	40765	2607.5	50	Mid	-0.11	0.031	22.57	23.00	1.104	0.034	/
	Off		Right Edge	10	40765	2607.5	1	Low	0.02	0.059	23.53	24.00	1.114	0.066	/
	Off			10	40765	2607.5	50	Mid	0.04	0.034	22.57	23.00	1.104	0.038	/
	Off		Bottom Edge	10	40765	2607.5	1	Low	-0.07	0.351	23.53	24.00	1.114	0.391	/
	Off			10	40765	2607.5	50	Mid	0.18	0.282	22.57	23.00	1.104	0.311	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.16 WIFI 2.4GHz

Mode	Power Reduction	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
802.11b	Level1	Left Cheek	0	6	2437	0.10	0.846	16.65	18.00	1.365	98.55	1.015	**1.171**	43#
	Level1		0	1	2412	-0.09	0.473	16.31	18.00	1.476	98.55	1.015	0.708	/
	Level1		0	11	2462	-0.14	0.628	16.12	18.00	1.542	98.55	1.015	0.982	/
	Level1	Left Tilt	0	6	2437	-0.06	0.617	16.65	18.00	1.365	98.55	1.015	0.854	/
	Level1	Right Cheek	0	6	2437	-0.05	0.392	16.65	18.00	1.365	98.55	1.015	0.543	/
	Level1	Right Tilt	0	6	2437	0.05	0.506	16.65	18.00	1.365	98.55	1.015	0.701	/
802.11b	Level2&3	Left Cheek	0	6	2437	0.04	0.297	12.51	14.00	1.409	98.55	1.015	0.425	/
	Level2&3	Left Tilt	0	6	2437	0.13	0.237	12.51	14.00	1.409	98.55	1.015	0.339	/
	Level2&3	Right Cheek	0	6	2437	0.03	0.143	12.51	14.00	1.409	98.55	1.015	0.204	/
	Level2&3	Right Tilt	0	6	2437	0.17	0.184	12.51	14.00	1.409	98.55	1.015	0.263	/
Body-worn Accessory														
802.11b	Off	Front Side	15	6	2437	-0.13	0.123	18.87	20.00	1.297	98.55	1.015	0.162	/
	Off	Back Side	15	6	2437	-0.05	0.136	18.87	20.00	1.297	98.55	1.015	**0.179**	44#
Hotspot														
802.11b	Off	Front Side	10	6	2437	-0.04	0.196	18.87	20.00	1.297	98.55	1.015	0.258	/
	Off	Back Side	10	6	2437	0.12	0.313	18.87	20.00	1.297	98.55	1.015	0.412	/
	Off	Left Edge	10	6	2437	-0.18	0.089	18.87	20.00	1.297	98.55	1.015	0.117	/
	Off	Right Edge	10	6	2437	0.19	0.055	18.87	20.00	1.297	98.55	1.015	0.072	/
	Off	Top Edge	10	6	2437	-0.08	0.345	18.87	20.00	1.297	98.55	1.015	**0.454**	45#
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.17 WIFI 5GHz

Fre. Band	Mode	Power Reduction	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
5.3G	802.11 ac80	Level1	Left Cheek	0	58	5290	0.17	0.588	14.21	15.00	1.199	93.03	1.075	**0.758**	46#
		Level1	Left Tilt	0	58	5290	0.04	0.505	14.21	15.00	1.199	93.03	1.075	0.651	/
		Level1	Right Cheek	0	58	5290	0.15	0.319	14.21	15.00	1.199	93.03	1.075	0.411	/
		Level1	Right Tilt	0	58	5290	0.14	0.343	14.21	15.00	1.199	93.03	1.075	0.442	/
5.3G	802.11 ac80	Level2&3	Left Cheek	0	58	5290	0.07	0.217	9.88	11.00	1.294	93.03	1.075	0.302	/
		Level2&3	Left Tilt	0	58	5290	0.01	0.189	9.88	11.00	1.294	93.03	1.075	0.263	/
		Level2&3	Right Cheek	0	58	5290	0.01	0.123	9.88	11.00	1.294	93.03	1.075	0.171	/
		Level2&3	Right Tilt	0	58	5290	0.07	0.127	9.88	11.00	1.294	93.03	1.075	0.177	/
5.6G	802.11 ac80	Level1	Left Cheek	0	138	5690	0.16	0.821	15.04	16.00	1.247	93.03	1.075	**1.101**	47#
		Level1		0	106	5530	-0.06	0.735	14.62	16.00	1.374	93.03	1.075	1.086	/
		Level1		0	122	5610	0.03	0.654	14.88	16.00	1.294	93.03	1.075	0.910	/
		Level1	Left Tilt	0	138	5690	0.01	0.665	15.04	16.00	1.247	93.03	1.075	0.892	/
		Level1		0	106	5530	0.05	0.631	14.62	16.00	1.374	93.03	1.075	0.932	/
		Level1		0	122	5610	0.08	0.584	14.88	16.00	1.294	93.03	1.075	0.812	/
		Level1	Right Cheek	0	138	5690	0.10	0.429	15.04	16.00	1.247	93.03	1.075	0.575	/
		Level1	Right Tilt	0	138	5690	-0.12	0.523	15.04	16.00	1.247	93.03	1.075	0.701	/
5.6G	802.11 ac80	Level2&3	Left Cheek	0	138	5690	-0.03	0.280	11.17	12.00	1.211	93.03	1.075	0.364	/
		Level2&3	Left Tilt	0	138	5690	0.18	0.275	11.17	12.00	1.211	93.03	1.075	0.358	/
		Level2&3	Right Cheek	0	138	5690	-0.17	0.173	11.17	12.00	1.211	93.03	1.075	0.225	/
		Level2&3	Right Tilt	0	138	5690	0.07	0.242	11.17	12.00	1.211	93.03	1.075	0.315	/
5.8G	802.11 ac80	Level1	Left Cheek	0	155	5775	0.05	0.727	14.08	15.50	1.387	93.03	1.075	**1.084**	48#
		Level1	Left Tilt	0	155	5775	0.07	0.623	14.08	15.50	1.387	93.03	1.075	0.929	/
		Level1	Right Cheek	0	155	5775	0.05	0.414	14.08	15.50	1.387	93.03	1.075	0.617	/
		Level1	Right Tilt	0	155	5775	-0.15	0.476	14.08	15.50	1.387	93.03	1.075	0.710	/
5.8G	802.11 ac80	Level2&3	Left Cheek	0	155	5775	0.04	0.241	10.09	11.50	1.384	93.03	1.075	0.358	/
		Level2&3	Left Tilt	0	155	5775	-0.07	0.239	10.09	11.50	1.384	93.03	1.075	0.355	/
		Level2&3	Right Cheek	0	155	5775	0.18	0.159	10.09	11.50	1.384	93.03	1.075	0.236	/
		Level2&3	Right Tilt	0	155	5775	-0.07	0.192	10.09	11.50	1.384	93.03	1.075	0.286	/
Body-worn Accessory															
5.3G	802.11 a	Off	Front Side	15	64	5320	0.02	0.155	17.74	19.00	1.337	98.29	1.017	0.211	/
		Off	Back Side	15	64	5320	-0.04	0.234	17.74	19.00	1.337	98.29	1.017	**0.318**	49#
5.6G	802.11 a	Off	Front Side	15	100	5500	0.17	0.173	17.28	19.00	1.486	98.29	1.017	0.262	/
		Off	Back Side	15	100	5500	0.12	0.287	17.28	19.00	1.486	98.29	1.017	**0.434**	50#
5.8G	802.11 a	Off	Front Side	15	149	5745	-0.08	0.174	17.23	19.00	1.503	98.29	1.017	0.266	/
		Off	Back Side	15	149	5745	0.04	0.334	17.23	19.00	1.503	98.29	1.017	**0.511**	51#
Hotspot															
5.2G	802.11 ac80	Level5&6	Front Side	10	42	5210	-0.04	0.114	14.87	16.50	1.455	93.03	1.075	0.178	/
		Level5&6	Back Side	10	42	5210	-0.15	0.181	14.87	16.50	1.455	93.03	1.075	0.283	/
		Level5&6	Left Edge	10	42	5210	-0.18	0.061	14.87	16.50	1.455	93.03	1.075	0.096	/

		Level5&6	Right Edge	10	42	5210	-0.14	0.039	14.87	16.50	1.455	93.03	1.075	0.062	/
		Level5&6	Top Edge	10	42	5210	0.09	0.238	14.87	16.50	1.455	93.03	1.075	**0.372**	52#
5.8G	802.11 ac80	Level5&6	Front Side	10	155	5775	-0.18	0.134	14.08	15.50	1.387	93.03	1.075	0.200	/
		Level5&6	Back Side	10	155	5775	0.04	0.208	14.08	15.50	1.387	93.03	1.075	0.310	/
		Level5&6	Left Edge	10	155	5775	0.00	0.072	14.08	15.50	1.387	93.03	1.075	0.107	/
		Level5&6	Right Edge	10	155	5775	-0.06	0.048	14.08	15.50	1.387	93.03	1.075	0.072	/
		Level5&6	Top Edge	10	155	5775	-0.10	0.312	14.08	15.50	1.387	93.03	1.075	**0.465**	53#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Fre. Band	Mode	Power Reduction	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
5.3G	802.11 a	Off	Front Side	0	64	5320	0.18	0.951	17.74	19.00	1.337	98.29	1.017	1.293	/
		Off	Back Side	0	64	5320	0.16	0.841	17.74	19.00	1.337	98.29	1.017	1.144	/
		Off	Left Edge	0	64	5320	-0.01	0.237	17.74	19.00	1.337	98.29	1.017	0.322	/
		Off	Right Edge	0	64	5320	-0.17	0.076	17.74	19.00	1.337	98.29	1.017	0.103	/
		Off	Top Edge	0	64	5320	0.04	1.140	17.74	19.00	1.337	98.29	1.017	**1.550**	54#
5.3G	802.11 ac80	Level5&6	Front Side	0	58	5290	0.10	0.506	15.24	16.50	1.337	93.03	1.075	0.727	/
		Level5&6	Back Side	0	58	5290	0.15	0.400	15.24	16.50	1.337	93.03	1.075	0.575	/
		Level5&6	Left Edge	0	58	5290	-0.11	0.138	15.24	16.50	1.337	93.03	1.075	0.198	/
		Level5&6	Right Edge	0	58	5290	0.04	0.041	15.24	16.50	1.337	93.03	1.075	0.059	/
		Level5&6	Top Edge	0	58	5290	-0.18	0.666	15.24	16.50	1.337	93.03	1.075	0.957	/
5.6G	802.11 a	Off	Front Side	0	100	5500	-0.10	1.060	17.28	19.00	1.486	98.29	1.017	1.602	/
		Off	Back Side	0	100	5500	0.04	0.881	17.28	19.00	1.486	98.29	1.017	1.332	/
		Off	Left Edge	0	100	5500	-0.03	0.212	17.28	19.00	1.486	98.29	1.017	0.320	/
		Off	Right Edge	0	100	5500	-0.10	0.072	17.28	19.00	1.486	98.29	1.017	0.109	/
		Off	Top Edge	0	100	5500	0.01	1.080	17.28	19.00	1.486	98.29	1.017	**1.633**	55#
5.6G	802.11 ac80	Level5&6	Front Side	0	155	5775	-0.04	0.514	14.08	15.50	1.387	93.03	1.075	0.766	/
		Level5&6	Back Side	0	155	5775	-0.13	0.440	14.08	15.50	1.387	93.03	1.075	0.656	/
		Level5&6	Left Edge	0	155	5775	-0.09	0.112	14.08	15.50	1.387	93.03	1.075	0.167	/
		Level5&6	Right Edge	0	155	5775	-0.11	0.042	14.08	15.50	1.387	93.03	1.075	0.063	/
		Level5&6	Top Edge	0	155	5775	0.04	0.600	14.08	15.50	1.387	93.03	1.075	0.894	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.18 Bluetooth

Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
DH5	Left Cheek	0	78	2480	0.17	0.205	12.58	14.00	1.387	76.8	1.302	**0.370**	56#
	Left Tilt	0	78	2480	0.03	0.172	12.58	14.00	1.387	76.8	1.302	0.311	/
	Right Cheek	0	78	2480	0.06	0.103	12.58	14.00	1.387	76.8	1.302	0.186	/
	Right Tilt	0	78	2480	-0.07	0.141	12.58	14.00	1.387	76.8	1.302	0.255	/
Body-worn Accessory													
DH5	Front Side	15	78	2480	0.01	0.023	12.58	14.00	1.387	76.8	1.302	0.042	/
	Back Side	15	78	2480	0.01	0.028	12.58	14.00	1.387	76.8	1.302	**0.051**	57#
Hotspot													
DH5	Front Side	10	78	2480	-0.03	0.034	12.58	14.00	1.387	76.8	1.302	0.061	/
	Back Side	10	78	2480	0.05	0.054	12.58	14.00	1.387	76.8	1.302	0.098	/
	Left Edge	10	78	2480	0.06	0.016	12.58	14.00	1.387	76.8	1.302	0.028	/
	Right Edge	10	78	2480	-0.08	0.010	12.58	14.00	1.387	76.8	1.302	0.017	/
	Top Edge	10	78	2480	-0.04	0.060	12.58	14.00	1.387	76.8	1.302	**0.107**	58#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10, the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is >= 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20, or when the original or repeated measurement is >= 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20, and the original, first or second repeated measurement is >= 1.5 W/kg, perform a third repeated measurement.

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated^{1th} Measured SAR (W/kg)	Largest to Smallest SAR Radio
1732.4	WCDMA Band 4	Hotspot	Bottom Edge	0.919	Yes	0.894	1.03
1900	LTE Band 2	Hotspot	Right Edge	0.909	Yes	0.887	1.02
1745	LTE Band 4	Hotspot	Bottom Edge	0.832	Yes	0.819	1.02
844	LTE Band 5	Head	Right Cheek	0.823	Yes	0.803	1.02
2437	2.4G WIFI	Head	Left Cheek	0.846	Yes	0.824	1.03
5690	5G WIFI	Head	Left Cheek	0.821	Yes	0.806	1.02
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.							

Note: For product specific 10g SAR, the highest measured 10g SAR is 1.995 < 2.0 W/kg, repeated measurement is not required.

12 SIMULTANEOUS TRANSMISSION

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR 1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR 1g 1.6 W/kg), SAR test exclusion is determined by the SAR to Peak Location Ratio (SPLSR).

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot
1	GSM + 2.4G WIFI	Yes	Yes	Yes
2	GSM + 5G WIFI	Yes	Yes	Yes
3	GSM + Bluetooth	Yes	Yes	Yes
4	GSM + 5G WIFI + Bluetooth	Yes	Yes	Yes
5	WCDMA + 2.4G WIFI	Yes	Yes	Yes
6	WCDMA + 5G WIFI	Yes	Yes	Yes
7	WCDMA + Bluetooth	Yes	Yes	Yes
8	WCDMA + 5G WIFI + Bluetooth	Yes	Yes	Yes
9	LTE + 2.4G WIFI	Yes	Yes	Yes
10	LTE + 5G WIFI	Yes	Yes	Yes
11	LTE + Bluetooth	Yes	Yes	Yes
12	LTE + 5G WIFI + Bluetooth	Yes	Yes	Yes

Note:

1. 2G&3G&4G share the same antenna and can’t transmit simultaneously.
2. 2.4G WLAN can’t transmit simultaneously with Bluetooth or 5G WLAN.
3. Two WWAN antennas can switch automatically, but up and down antenna can't transmit simultaneously.
4. The maximum SAR summation is calculated based on the same configuration and test position.
5. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
6. This device 2.4GHz WLAN/5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WiFi Direct (GC/GO), and 5.3GHz WLAN/5.5GHz WLAN supports WiFi Direct (GC only)

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna Up and WLAN 2.4G

Band	Power Reduction	Position	Stand alone SAR				SUM SAR			
			1	2	3	4				
			WWAN	2.4G WIFI	5G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)	Sum SAR (1+3+4)
GSM850	Level2&3	Left Cheek	0.082	0.425	0.360	0.370	0.507	0.443	0.453	0.813
	Level2&3	Left Tilt	0.012	0.339	0.355	0.311	0.351	0.367	0.323	0.678
	Level2&3	Right Cheek	0.129	0.204	0.236	0.186	0.334	0.366	0.315	0.552
	Level2&3	Right Tilt	0.014	0.263	0.311	0.255	0.277	0.325	0.268	0.580
GSM 1900	Level2&3	Left Cheek	0.724	0.425	0.360	0.370	1.148	1.084	1.094	1.454
	Level2&3	Left Tilt	0.118	0.339	0.355	0.311	0.457	0.474	0.429	0.784
	Level2&3	Right Cheek	0.423	0.204	0.236	0.186	0.627	0.659	0.609	0.845
	Level2&3	Right Tilt	0.135	0.263	0.311	0.255	0.398	0.447	0.390	0.701
WCDMA B2	Level2&3	Left Cheek	0.518	0.425	0.360	0.370	0.943	0.879	0.889	1.249
	Level2&3	Left Tilt	0.091	0.339	0.355	0.311	0.430	0.447	0.402	0.757
	Level2&3	Right Cheek	0.380	0.204	0.236	0.186	0.584	0.616	0.566	0.802
	Level2&3	Right Tilt	0.099	0.263	0.311	0.255	0.362	0.410	0.353	0.665
WCDMA B4	Level2&3	Left Cheek	0.523	0.425	0.360	0.370	0.947	0.883	0.893	1.253
	Level2&3	Left Tilt	0.084	0.339	0.355	0.311	0.423	0.439	0.394	0.750
	Level2&3	Right Cheek	0.455	0.204	0.236	0.186	0.660	0.692	0.641	0.878
	Level2&3	Right Tilt	0.143	0.263	0.311	0.255	0.406	0.454	0.397	0.709
WCDMA B5	Level2&3	Left Cheek	0.529	0.425	0.360	0.370	0.954	0.889	0.899	1.259
	Level2&3	Left Tilt	0.090	0.339	0.355	0.311	0.428	0.445	0.400	0.756
	Level2&3	Right Cheek	0.786	0.204	0.236	0.186	0.990	1.022	0.972	1.208
	Level2&3	Right Tilt	0.111	0.263	0.311	0.255	0.374	0.423	0.366	0.677
LTE B2	Level2&3	Left Cheek	0.726	0.425	0.360	0.370	1.151	1.086	1.096	1.456
	Level2&3	Left Tilt	0.129	0.339	0.355	0.311	0.468	0.485	0.440	0.795
	Level2&3	Right Cheek	0.471	0.204	0.236	0.186	0.676	0.708	0.657	0.894
	Level2&3	Right Tilt	0.143	0.263	0.311	0.255	0.406	0.454	0.397	0.709
LTE B4	Level2&3	Left Cheek	0.705	0.425	0.360	0.370	1.129	1.065	1.075	1.435
	Level2&3	Left Tilt	0.084	0.339	0.355	0.311	0.423	0.440	0.395	0.750
	Level2&3	Right Cheek	0.451	0.204	0.236	0.186	0.656	0.688	0.637	0.874
	Level2&3	Right Tilt	0.368	0.263	0.311	0.255	0.631	0.680	0.623	0.934
LTE B5	Level1&2&3	Left Cheek	0.728	0.425	0.360	0.370	1.153	1.088	1.098	1.458
	Level1&2&3	Left Tilt	0.120	0.339	0.355	0.311	0.459	0.476	0.431	0.786
	Level1&2&3	Right Cheek	1.070	0.204	0.236	0.186	1.275	1.307	1.256	**1.492**
	Level1&2&3	Right Tilt	0.139	0.263	0.311	0.255	0.402	0.450	0.393	0.705
LTE B7	Level2&3	Left Cheek	0.476	0.425	0.360	0.370	0.900	0.836	0.846	1.206
	Level2&3	Left Tilt	0.087	0.339	0.355	0.311	0.426	0.442	0.397	0.753
	Level2&3	Right Cheek	0.353	0.204	0.236	0.186	0.557	0.589	0.539	0.775
	Level2&3	Right Tilt	0.178	0.263	0.311	0.255	0.441	0.489	0.432	0.744
LTE B12	Level2&3	Left Cheek	0.262	0.425	0.360	0.370	0.687	0.622	0.632	0.993

	Level2&3	Left Tilt	0.045	0.339	0.355	0.311	0.384	0.400	0.355	0.711
	Level2&3	Right Cheek	0.382	0.204	0.236	0.186	0.587	0.619	0.568	0.805
	Level2&3	Right Tilt	0.051	0.263	0.311	0.255	0.314	0.363	0.306	0.617
LTE B17	Level2&3	Left Cheek	0.280	0.425	0.360	0.370	0.705	0.640	0.650	1.011
	Level2&3	Left Tilt	0.043	0.339	0.355	0.311	0.382	0.398	0.353	0.709
	Level2&3	Right Cheek	0.520	0.204	0.236	0.186	0.725	0.757	0.706	0.942
	Level2&3	Right Tilt	0.064	0.263	0.311	0.255	0.327	0.375	0.318	0.630
LTE B26	Level2&3	Left Cheek	0.527	0.425	0.360	0.370	0.951	0.887	0.897	1.257
	Level2&3	Left Tilt	0.088	0.339	0.355	0.311	0.427	0.444	0.399	0.754
	Level2&3	Right Cheek	0.745	0.204	0.236	0.186	0.949	0.981	0.931	1.167
	Level2&3	Right Tilt	0.109	0.263	0.311	0.255	0.372	0.420	0.364	0.675
LTE B38	Level2&3	Left Cheek	0.593	0.425	0.360	0.370	1.018	0.953	0.963	1.323
	Level2&3	Left Tilt	0.111	0.339	0.355	0.311	0.450	0.466	0.421	0.777
	Level2&3	Right Cheek	0.430	0.204	0.236	0.186	0.634	0.666	0.616	0.852
	Level2&3	Right Tilt	0.227	0.263	0.311	0.255	0.490	0.539	0.482	0.793
LTE B41	Level2&3	Left Cheek	0.447	0.425	0.360	0.370	0.871	0.807	0.817	1.177
	Level2&3	Left Tilt	0.124	0.339	0.355	0.311	0.463	0.480	0.435	0.790
	Level2&3	Right Cheek	0.413	0.204	0.236	0.186	0.617	0.649	0.599	0.835
	Level2&3	Right Tilt	0.266	0.263	0.311	0.255	0.529	0.578	0.521	0.832

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.492 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.2 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN Antenna Up and WLAN 2.4G

Band	Power Reduction	Position	Stand alone SAR				SUM SAR			
			1	2	3	4				
			WWAN	2.4G WIFI	5G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)	Sum SAR (1+3+4)
GSM850	Off	Front Side 15mm	0.122	0.162	0.266	0.042	0.284	0.388	0.163	0.429
	Off	Back Side 15mm	0.147	0.179	0.511	0.051	0.326	0.658	0.199	0.710
GSM 1900	Off	Front Side 15mm	0.268	0.162	0.266	0.042	0.430	0.534	0.310	0.576
	Off	Back Side 15mm	0.274	0.179	0.511	0.051	0.453	0.785	0.325	0.836
WCDMA B2	Level5&6	Front Side 15mm	0.118	0.162	0.266	0.042	0.280	0.384	0.159	0.425
	Level5&6	Back Side 15mm	0.113	0.179	0.511	0.051	0.292	0.623	0.164	0.675
WCDMA B4	Level5&6	Front Side 15mm	0.100	0.162	0.266	0.042	0.262	0.366	0.141	0.408
	Level5&6	Back Side 15mm	0.117	0.179	0.511	0.051	0.296	0.628	0.169	0.680
WCDMA B5	Off	Front Side 15mm	0.354	0.162	0.266	0.042	0.516	0.620	0.395	0.661
	Off	Back Side 15mm	0.441	0.179	0.511	0.051	0.620	0.952	0.492	**1.003**
LTE B2	Off	Front Side 15mm	0.254	0.162	0.266	0.042	0.416	0.520	0.296	0.562
	Off	Back Side 15mm	0.267	0.179	0.511	0.051	0.446	0.778	0.318	0.829
LTE B4	Off	Front Side 15mm	0.255	0.162	0.266	0.042	0.416	0.521	0.296	0.562
	Off	Back Side 15mm	0.299	0.179	0.511	0.051	0.478	0.810	0.350	0.861
LTE B5	Off	Front Side 15mm	0.325	0.162	0.266	0.042	0.487	0.591	0.367	0.633
	Off	Back Side 15mm	0.384	0.179	0.511	0.051	0.563	0.895	0.435	0.946
LTE B7	Off	Front Side 15mm	0.256	0.162	0.266	0.042	0.418	0.523	0.298	0.564
	Off	Back Side 15mm	0.233	0.179	0.511	0.051	0.412	0.744	0.285	0.795
LTE B12	Off	Front Side 15mm	0.145	0.162	0.266	0.042	0.307	0.411	0.186	0.453
	Off	Back Side 15mm	0.178	0.179	0.511	0.051	0.357	0.689	0.230	0.740
LTE B17	Off	Front Side 15mm	0.153	0.162	0.266	0.042	0.315	0.419	0.195	0.461
	Off	Back Side 15mm	0.177	0.179	0.511	0.051	0.356	0.688	0.229	0.739
LTE B26	Off	Front Side 15mm	0.213	0.162	0.266	0.042	0.375	0.479	0.254	0.520
	Off	Back Side 15mm	0.221	0.179	0.511	0.051	0.400	0.732	0.273	0.783
LTE B38	Off	Front Side 15mm	0.139	0.162	0.266	0.042	0.301	0.406	0.181	0.447
	Off	Back Side 15mm	0.152	0.179	0.511	0.051	0.331	0.663	0.203	0.714
LTE B41	Off	Front Side 15mm	0.113	0.162	0.266	0.042	0.274	0.379	0.154	0.420
	Off	Back Side 15mm	0.114	0.179	0.511	0.051	0.293	0.624	0.165	0.676

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.003 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.3 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna Up and WLAN 2.4G

Band	Power Reduction	Position	Stand alone SAR				SUM SAR			
			1	2	3	4				
			WWAN	2.4G WIFI	5G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)	Sum SAR (1+3+4)
GSM850	Off	Front Side 10mm	0.222	0.258	0.200	0.061	0.480	0.422	0.283	0.483
	Off	Back Side 10mm	0.263	0.412	0.310	0.098	0.675	0.573	0.361	0.671
	Off	Left Edge 10mm	0.371	0.117	0.107	0.028	0.488	0.478	0.399	0.506
	Off	Right Edge 10mm	0.009	0.072	0.072	0.017	0.082	0.081	0.026	0.098
	Off	Top Edge 10mm	0.002	0.454	0.465	0.107	0.456	0.467	0.109	0.574
GSM 1900	Off	Front Side 10mm	0.477	0.258	0.200	0.061	0.735	0.676	0.538	0.738
	Off	Back Side 10mm	0.492	0.412	0.310	0.098	0.904	0.802	0.590	0.900
	Off	Left Edge 10mm	0.004	0.117	0.107	0.028	0.121	0.111	0.032	0.139
	Off	Right Edge 10mm	1.068	0.072	0.072	0.017	1.140	1.139	1.085	1.156
	Off	Top Edge 10mm	0.120	0.454	0.465	0.107	0.574	0.585	0.228	0.693
WCDMA B2	Level5&6	Front Side 10mm	0.426	0.258	0.200	0.061	0.684	0.626	0.488	0.687
	Level5&6	Back Side 10mm	0.429	0.412	0.310	0.098	0.841	0.739	0.528	0.838
	Level5&6	Left Edge 10mm	0.006	0.117	0.107	0.028	0.123	0.113	0.034	0.141
	Level5&6	Right Edge 10mm	0.829	0.072	0.072	0.017	0.901	0.900	0.846	0.918
	Level5&6	Top Edge 10mm	0.105	0.454	0.465	0.107	0.559	0.570	0.213	0.678
WCDMA B4	Level5&6	Front Side 10mm	0.194	0.258	0.200	0.061	0.452	0.393	0.255	0.455
	Level5&6	Back Side 10mm	0.232	0.412	0.310	0.098	0.644	0.542	0.330	0.640
	Level5&6	Left Edge 10mm	0.022	0.117	0.107	0.028	0.139	0.129	0.050	0.157
	Level5&6	Right Edge 10mm	0.453	0.072	0.072	0.017	0.526	0.525	0.471	0.542
	Level5&6	Top Edge 10mm	0.062	0.454	0.465	0.107	0.516	0.527	0.169	0.634
WCDMA B5	Off	Front Side 10mm	0.593	0.258	0.200	0.061	0.851	0.793	0.655	0.854
	Off	Back Side 10mm	0.727	0.412	0.310	0.098	1.139	1.038	0.826	1.136
	Off	Left Edge 10mm	1.058	0.117	0.107	0.028	1.175	1.166	1.086	1.194
	Off	Right Edge 10mm	0.009	0.072	0.072	0.017	0.082	0.081	0.026	0.098
	Off	Top Edge 10mm	0.004	0.454	0.465	0.107	0.458	0.469	0.111	0.576
LTE B2	Off	Front Side 10mm	0.420	0.258	0.200	0.061	0.678	0.619	0.481	0.681
	Off	Back Side 10mm	0.455	0.412	0.310	0.098	0.867	0.765	0.553	0.863
	Off	Left Edge 10mm	0.006	0.117	0.107	0.028	0.123	0.113	0.034	0.141
	Off	Right Edge 10mm	1.185	0.072	0.072	0.017	1.257	1.256	1.202	**1.273**
	Off	Top Edge 10mm	0.143	0.454	0.465	0.107	0.597	0.608	0.250	0.715
LTE B4	Off	Front Side 10mm	0.480	0.258	0.200	0.061	0.738	0.680	0.541	0.741
	Off	Back Side 10mm	0.538	0.412	0.310	0.098	0.950	0.848	0.636	0.946
	Off	Left Edge 10mm	0.062	0.117	0.107	0.028	0.179	0.170	0.090	0.198
	Off	Right Edge 10mm	0.999	0.072	0.072	0.017	1.072	1.071	1.017	1.088
	Off	Top Edge 10mm	0.125	0.454	0.465	0.107	0.579	0.590	0.232	0.697
LTE B5	Off	Front Side 10mm	0.504	0.258	0.200	0.061	0.762	0.704	0.565	0.765
	Off	Back Side 10mm	0.779	0.412	0.310	0.098	1.191	1.089	0.877	1.187
	Off	Left Edge 10mm	0.859	0.117	0.107	0.028	0.976	0.966	0.887	0.994

	Off	Right Edge 10mm	0.033	0.072	0.072	0.017	0.105	0.105	0.050	0.122
	Off	Top Edge 10mm	0.011	0.454	0.465	0.107	0.466	0.476	0.119	0.584
LTE B7	Off	Front Side 10mm	0.428	0.258	0.200	0.061	0.686	0.628	0.490	0.689
	Off	Back Side 10mm	0.387	0.412	0.310	0.098	0.799	0.697	0.485	0.796
	Off	Left Edge 10mm	0.044	0.117	0.107	0.028	0.162	0.152	0.072	0.180
	Off	Right Edge 10mm	0.716	0.072	0.072	0.017	0.788	0.787	0.733	0.804
	Off	Top Edge 10mm	0.076	0.454	0.465	0.107	0.530	0.541	0.183	0.648
LTE B12	Off	Front Side 10mm	0.251	0.258	0.200	0.061	0.509	0.451	0.312	0.512
	Off	Back Side 10mm	0.309	0.412	0.310	0.098	0.721	0.619	0.408	0.718
	Off	Left Edge 10mm	0.469	0.117	0.107	0.028	0.587	0.577	0.497	0.605
	Off	Right Edge 10mm	0.048	0.072	0.072	0.017	0.121	0.120	0.066	0.137
	Off	Top Edge 10mm	0.026	0.454	0.465	0.107	0.480	0.491	0.133	0.599
LTE B17	Off	Front Side 10mm	0.247	0.258	0.200	0.061	0.505	0.447	0.308	0.508
	Off	Back Side 10mm	0.312	0.412	0.310	0.098	0.724	0.622	0.410	0.720
	Off	Left Edge 10mm	0.460	0.117	0.107	0.028	0.577	0.567	0.488	0.595
	Off	Right Edge 10mm	0.069	0.072	0.072	0.017	0.142	0.141	0.086	0.158
	Off	Top Edge 10mm	0.013	0.454	0.465	0.107	0.467	0.478	0.121	0.586
LTE B26	Off	Front Side 10mm	0.469	0.258	0.200	0.061	0.727	0.669	0.531	0.730
	Off	Back Side 10mm	0.578	0.412	0.310	0.098	0.990	0.888	0.676	0.986
	Off	Left Edge 10mm	0.879	0.117	0.107	0.028	0.997	0.987	0.907	1.015
	Off	Right Edge 10mm	0.095	0.072	0.072	0.017	0.167	0.166	0.112	0.183
	Off	Top Edge 10mm	0.049	0.454	0.465	0.107	0.503	0.514	0.156	0.621
LTE B38	Off	Front Side 10mm	0.243	0.258	0.200	0.061	0.501	0.443	0.305	0.504
	Off	Back Side 10mm	0.260	0.412	0.310	0.098	0.672	0.570	0.358	0.668
	Off	Left Edge 10mm	0.034	0.117	0.107	0.028	0.152	0.142	0.062	0.170
	Off	Right Edge 10mm	0.627	0.072	0.072	0.017	0.700	0.699	0.645	0.716
	Off	Top Edge 10mm	0.100	0.454	0.465	0.107	0.554	0.565	0.208	0.673
LTE B41	Off	Front Side 10mm	0.221	0.258	0.200	0.061	0.479	0.420	0.282	0.482
	Off	Back Side 10mm	0.246	0.412	0.310	0.098	0.658	0.556	0.344	0.655
	Off	Left Edge 10mm	0.017	0.117	0.107	0.028	0.135	0.125	0.045	0.153
	Off	Right Edge 10mm	0.571	0.072	0.072	0.017	0.643	0.642	0.588	0.659
	Off	Top Edge 10mm	0.114	0.454	0.465	0.107	0.568	0.579	0.221	0.686

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.273 W/Kg < 1.6 kg, so Simultaneous Transmission SAR test is not required.

12.2.4 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna Down and WLAN 2.4G

Band	Power Reduction	Position	Stand alone SAR				SUM SAR			
			1	2	3	4				
			WWAN	2.4G WIFI	5G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)	Sum SAR (1+3+4)
GSM850	Off	Left Cheek	0.196	0.425	0.364	0.370	0.621	0.561	0.567	0.931
	Off	Left Tilt	0.146	0.339	0.358	0.311	0.485	0.504	0.457	0.815
	Off	Right Cheek	0.175	0.204	0.236	0.186	0.379	0.411	0.361	0.597
	Off	Right Tilt	0.128	0.263	0.315	0.255	0.391	0.443	0.383	0.698
GSM 1900	Level2&3	Left Cheek	0.010	0.425	0.364	0.370	0.434	0.374	0.380	0.744
	Level2&3	Left Tilt	0.004	0.339	0.358	0.311	0.343	0.362	0.314	0.672
	Level2&3	Right Cheek	0.007	0.204	0.236	0.186	0.212	0.244	0.193	0.430
	Level2&3	Right Tilt	0.002	0.263	0.315	0.255	0.265	0.317	0.256	0.571
WCDMA B2	Off	Left Cheek	0.107	0.425	0.364	0.370	0.532	0.472	0.477	0.842
	Off	Left Tilt	0.070	0.339	0.358	0.311	0.409	0.428	0.381	0.739
	Off	Right Cheek	0.081	0.204	0.236	0.186	0.285	0.317	0.267	0.503
	Off	Right Tilt	0.017	0.263	0.315	0.255	0.280	0.332	0.271	0.586
WCDMA B4	Off	Left Cheek	0.083	0.425	0.364	0.370	0.507	0.447	0.453	0.817
	Off	Left Tilt	0.052	0.339	0.358	0.311	0.391	0.410	0.363	0.721
	Off	Right Cheek	0.091	0.204	0.236	0.186	0.295	0.327	0.277	0.513
	Off	Right Tilt	0.017	0.263	0.315	0.255	0.280	0.332	0.271	0.586
WCDMA B5	Off	Left Cheek	0.291	0.425	0.364	0.370	0.715	0.655	0.661	1.025
	Off	Left Tilt	0.167	0.339	0.358	0.311	0.506	0.525	0.478	0.836
	Off	Right Cheek	0.252	0.204	0.236	0.186	0.456	0.488	0.438	0.674
	Off	Right Tilt	0.142	0.263	0.315	0.255	0.405	0.457	0.397	0.712
LTE B2	Off	Left Cheek	0.091	0.425	0.364	0.370	0.516	0.456	0.461	0.826
	Off	Left Tilt	0.059	0.339	0.358	0.311	0.398	0.416	0.369	0.727
	Off	Right Cheek	0.060	0.204	0.236	0.186	0.264	0.296	0.246	0.482
	Off	Right Tilt	0.064	0.263	0.315	0.255	0.327	0.379	0.318	0.633
LTE B4	Off	Left Cheek	0.087	0.425	0.364	0.370	0.512	0.452	0.457	0.822
	Off	Left Tilt	0.059	0.339	0.358	0.311	0.398	0.417	0.370	0.728
	Off	Right Cheek	0.082	0.204	0.236	0.186	0.286	0.318	0.268	0.504
	Off	Right Tilt	0.017	0.263	0.315	0.255	0.280	0.332	0.272	0.587
LTE B5	Off	Left Cheek	0.317	0.425	0.364	0.370	0.742	0.681	0.687	**1.052**
	Off	Left Tilt	0.179	0.339	0.358	0.311	0.518	0.537	0.489	0.847
	Off	Right Cheek	0.278	0.204	0.236	0.186	0.482	0.514	0.464	0.700
	Off	Right Tilt	0.158	0.263	0.315	0.255	0.421	0.473	0.412	0.727
LTE B7	Off	Left Cheek	0.108	0.425	0.364	0.370	0.532	0.472	0.478	0.842
	Off	Left Tilt	0.042	0.339	0.358	0.311	0.381	0.400	0.353	0.711
	Off	Right Cheek	0.055	0.204	0.236	0.186	0.260	0.292	0.241	0.478
	Off	Right Tilt	0.020	0.263	0.315	0.255	0.283	0.335	0.274	0.589
LTE B12	Off	Left Cheek	0.163	0.425	0.364	0.370	0.588	0.527	0.533	0.898
	Off	Left Tilt	0.092	0.339	0.358	0.311	0.431	0.450	0.403	0.760

	Off	Right Cheek	0.128	0.204	0.236	0.186	0.333	0.365	0.314	0.551
	Off	Right Tilt	0.074	0.263	0.315	0.255	0.337	0.389	0.328	0.643
LTE B17	Off	Left Cheek	0.165	0.425	0.364	0.370	0.589	0.529	0.535	0.899
	Off	Left Tilt	0.095	0.339	0.358	0.311	0.434	0.453	0.406	0.764
	Off	Right Cheek	0.128	0.204	0.236	0.186	0.332	0.364	0.314	0.550
	Off	Right Tilt	0.072	0.263	0.315	0.255	0.335	0.387	0.327	0.642
LTE B26	Off	Left Cheek	0.290	0.425	0.364	0.370	0.715	0.655	0.660	1.025
	Off	Left Tilt	0.165	0.339	0.358	0.311	0.504	0.523	0.475	0.833
	Off	Right Cheek	0.225	0.204	0.236	0.186	0.430	0.462	0.411	0.648
	Off	Right Tilt	0.140	0.263	0.315	0.255	0.403	0.454	0.394	0.709
LTE B38	Off	Left Cheek	0.068	0.425	0.364	0.370	0.493	0.433	0.439	0.803
	Off	Left Tilt	0.013	0.339	0.358	0.311	0.352	0.371	0.323	0.681
	Off	Right Cheek	0.049	0.204	0.236	0.186	0.254	0.286	0.235	0.472
	Off	Right Tilt	0.008	0.263	0.315	0.255	0.271	0.323	0.262	0.577
LTE B41	Off	Left Cheek	0.049	0.425	0.364	0.370	0.474	0.413	0.419	0.784
	Off	Left Tilt	0.012	0.339	0.358	0.311	0.351	0.370	0.322	0.680
	Off	Right Cheek	0.032	0.204	0.236	0.186	0.236	0.268	0.218	0.454
	Off	Right Tilt	0.024	0.263	0.315	0.255	0.287	0.339	0.278	0.593

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.052 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.5 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN Antenna Down and WLAN 2.4G

Band	Power Reduction	Position	Stand alone SAR				SUM SAR			
			1	2	3	4				
			WWAN	2.4G WIFI	5G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)	Sum SAR (1+3+4)
GSM850	Off	Front Side 15mm	0.205	0.162	0.266	0.042	0.367	0.471	0.247	0.513
	Off	Back Side 15mm	0.223	0.179	0.511	0.051	0.402	0.734	0.274	0.785
GSM 1900	Level5&6	Front Side 15mm	0.267	0.162	0.266	0.042	0.429	0.533	0.308	0.575
	Level5&6	Back Side 15mm	0.300	0.179	0.511	0.051	0.479	0.811	0.351	0.862
WCDMA B2	Level5&6	Front Side 15mm	0.250	0.162	0.266	0.042	0.412	0.516	0.292	0.558
	Level5&6	Back Side 15mm	0.270	0.179	0.511	0.051	0.449	0.781	0.321	0.832
WCDMA B4	Level5&6	Front Side 15mm	0.229	0.162	0.266	0.042	0.391	0.495	0.271	0.537
	Level5&6	Back Side 15mm	0.235	0.179	0.511	0.051	0.414	0.745	0.286	0.797
WCDMA B5	Off	Front Side 15mm	0.210	0.162	0.266	0.042	0.372	0.476	0.252	0.518
	Off	Back Side 15mm	0.247	0.179	0.511	0.051	0.426	0.757	0.298	0.809
LTE B2	Off	Front Side 15mm	0.214	0.162	0.266	0.042	0.376	0.480	0.256	0.522
	Off	Back Side 15mm	0.280	0.179	0.511	0.051	0.459	0.791	0.331	0.842
LTE B4	Level5&6	Front Side 15mm	0.246	0.162	0.266	0.042	0.408	0.513	0.288	0.554
	Level5&6	Back Side 15mm	0.258	0.179	0.511	0.051	0.437	0.769	0.309	0.820
LTE B5	Off	Front Side 15mm	0.204	0.162	0.266	0.042	0.366	0.470	0.245	0.511
	Off	Back Side 15mm	0.237	0.179	0.511	0.051	0.416	0.748	0.289	0.799
LTE B7	Off	Front Side 15mm	0.314	0.162	0.266	0.042	0.476	0.580	0.356	0.622
	Off	Back Side 15mm	0.458	0.179	0.511	0.051	0.637	0.969	0.509	**1.020**
LTE B12	Off	Front Side 15mm	0.195	0.162	0.266	0.042	0.357	0.461	0.237	0.503
	Off	Back Side 15mm	0.242	0.179	0.511	0.051	0.421	0.753	0.294	0.804
LTE B17	Off	Front Side 15mm	0.221	0.162	0.266	0.042	0.383	0.487	0.263	0.529
	Off	Back Side 15mm	0.243	0.179	0.511	0.051	0.422	0.753	0.294	0.805
LTE B26	Off	Front Side 15mm	0.218	0.162	0.266	0.042	0.380	0.485	0.260	0.526
	Off	Back Side 15mm	0.231	0.179	0.511	0.051	0.410	0.742	0.282	0.793
LTE B38	Off	Front Side 15mm	0.195	0.162	0.266	0.042	0.357	0.461	0.237	0.503
	Off	Back Side 15mm	0.270	0.179	0.511	0.051	0.449	0.781	0.321	0.832
LTE B41	Off	Front Side 15mm	0.178	0.162	0.266	0.042	0.340	0.444	0.220	0.486
	Off	Back Side 15mm	0.265	0.179	0.511	0.051	0.444	0.776	0.316	0.827

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 15g SAR is 1.02 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.6 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna Down and WLAN 2.4G

Band	Power Reduction	Position	Stand alone SAR				SUM SAR			
			1	2	3	4				
			WWAN	2.4G WIFI	5G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)	Sum SAR (1+3+4)
GSM850	Off	Front Side 10mm	0.253	0.258	0.200	0.061	0.511	0.453	0.314	0.514
	Off	Back Side 10mm	0.307	0.412	0.310	0.098	0.719	0.617	0.405	0.715
	Off	Left Edge 10mm	0.012	0.117	0.107	0.028	0.129	0.119	0.040	0.147
	Off	Right Edge 10mm	0.254	0.072	0.072	0.017	0.326	0.326	0.271	0.343
	Off	Bottom Edge 10mm	0.231	0.000	0.000	0.000	0.231	0.231	0.231	0.231
GSM 1900	Level5&6	Front Side 10mm	0.443	0.258	0.200	0.061	0.701	0.643	0.505	0.704
	Level5&6	Back Side 10mm	0.596	0.412	0.310	0.098	1.008	0.906	0.694	1.004
	Level5&6	Left Edge 10mm	0.103	0.117	0.107	0.028	0.220	0.210	0.131	0.238
	Level5&6	Right Edge 10mm	0.009	0.072	0.072	0.017	0.081	0.080	0.026	0.097
	Level5&6	Bottom Edge 10mm	0.790	0.000	0.000	0.000	0.790	0.790	0.790	0.790
WCDMA B2	Level5&6	Front Side 10mm	0.390	0.258	0.200	0.061	0.648	0.590	0.451	0.651
	Level5&6	Back Side 10mm	0.516	0.412	0.310	0.098	0.928	0.826	0.614	0.924
	Level5&6	Left Edge 10mm	0.127	0.117	0.107	0.028	0.244	0.234	0.155	0.262
	Level5&6	Right Edge 10mm	0.046	0.072	0.072	0.017	0.119	0.118	0.064	0.135
	Level5&6	Bottom Edge 10mm	0.816	0.000	0.000	0.000	0.816	0.816	0.816	0.816
WCDMA B4	Level5&6	Front Side 10mm	0.407	0.258	0.200	0.061	0.665	0.607	0.468	0.668
	Level5&6	Back Side 10mm	0.546	0.412	0.310	0.098	0.958	0.856	0.645	0.955
	Level5&6	Left Edge 10mm	0.076	0.117	0.107	0.028	0.193	0.183	0.104	0.211
	Level5&6	Right Edge 10mm	0.051	0.072	0.072	0.017	0.123	0.122	0.068	0.140
	Level5&6	Bottom Edge 10mm	0.976	0.000	0.000	0.000	0.976	0.976	0.976	0.976
WCDMA B5	Off	Front Side 10mm	0.232	0.258	0.200	0.061	0.490	0.432	0.293	0.493
	Off	Back Side 10mm	0.284	0.412	0.310	0.098	0.696	0.594	0.382	0.692
	Off	Left Edge 10mm	0.064	0.117	0.107	0.028	0.181	0.172	0.092	0.200
	Off	Right Edge 10mm	0.185	0.072	0.072	0.017	0.257	0.256	0.202	0.274
	Off	Bottom Edge 10mm	0.217	0.000	0.000	0.000	0.217	0.217	0.217	0.217
LTE B2	Level5&6	Front Side 10mm	0.363	0.258	0.200	0.061	0.621	0.563	0.424	0.624
	Level5&6	Back Side 10mm	0.502	0.412	0.310	0.098	0.914	0.812	0.601	0.911
	Level5&6	Left Edge 10mm	0.082	0.117	0.107	0.028	0.199	0.190	0.110	0.218
	Level5&6	Right Edge 10mm	0.009	0.072	0.072	0.017	0.082	0.081	0.026	0.098
	Level5&6	Bottom Edge 10mm	0.855	0.000	0.000	0.000	0.855	0.855	0.855	0.855
LTE B4	Level5&6	Front Side 10mm	0.438	0.258	0.200	0.061	0.696	0.638	0.500	0.699
	Level5&6	Back Side 10mm	0.591	0.412	0.310	0.098	1.003	0.901	0.689	0.999
	Level5&6	Left Edge 10mm	0.071	0.117	0.107	0.028	0.188	0.178	0.099	0.206
	Level5&6	Right Edge 10mm	0.056	0.072	0.072	0.017	0.128	0.127	0.073	0.145
	Level5&6	Bottom Edge 10mm	1.003	0.000	0.000	0.000	1.003	1.003	1.003	1.003
LTE B5	Off	Front Side 10mm	0.226	0.258	0.200	0.061	0.484	0.426	0.287	0.487
	Off	Back Side 10mm	0.275	0.412	0.310	0.098	0.687	0.585	0.373	0.683
	Off	Left Edge 10mm	0.068	0.117	0.107	0.028	0.186	0.176	0.096	0.204

	Off	Right Edge 10mm	0.170	0.072	0.072	0.017	0.243	0.242	0.188	0.259
	Off	Bottom Edge 10mm	0.222	0.000	0.000	0.000	0.222	0.222	0.222	0.222
LTE B7	Off	Front Side 10mm	0.560	0.258	0.200	0.061	0.818	0.760	0.622	0.821
	Off	Back Side 10mm	0.792	0.412	0.310	0.098	**1.204**	1.103	0.891	1.201
	Off	Left Edge 10mm	0.153	0.117	0.107	0.028	0.270	0.260	0.181	0.288
	Off	Right Edge 10mm	0.146	0.072	0.072	0.017	0.219	0.218	0.164	0.235
	Off	Bottom Edge 10mm	0.723	0.000	0.000	0.000	0.723	0.723	0.723	0.723
LTE B12	Off	Front Side 10mm	0.208	0.258	0.200	0.061	0.466	0.407	0.269	0.469
	Off	Back Side 10mm	0.276	0.412	0.310	0.098	0.688	0.586	0.374	0.684
	Off	Left Edge 10mm	0.134	0.117	0.107	0.028	0.251	0.241	0.162	0.269
	Off	Right Edge 10mm	0.160	0.072	0.072	0.017	0.233	0.232	0.178	0.249
	Off	Bottom Edge 10mm	0.134	0.000	0.000	0.000	0.134	0.134	0.134	0.134
LTE B17	Off	Front Side 10mm	0.226	0.258	0.200	0.061	0.484	0.425	0.287	0.487
	Off	Back Side 10mm	0.285	0.412	0.310	0.098	0.697	0.595	0.383	0.694
	Off	Left Edge 10mm	0.370	0.117	0.107	0.028	0.488	0.478	0.398	0.506
	Off	Right Edge 10mm	0.203	0.072	0.072	0.017	0.275	0.274	0.220	0.292
	Off	Bottom Edge 10mm	0.133	0.000	0.000	0.000	0.133	0.133	0.133	0.133
LTE B26	Off	Front Side 10mm	0.266	0.258	0.200	0.061	0.524	0.466	0.328	0.527
	Off	Back Side 10mm	0.313	0.412	0.310	0.098	0.725	0.623	0.411	0.721
	Off	Left Edge 10mm	0.154	0.117	0.107	0.028	0.271	0.261	0.182	0.289
	Off	Right Edge 10mm	0.287	0.072	0.072	0.017	0.360	0.359	0.305	0.376
	Off	Bottom Edge 10mm	0.213	0.000	0.000	0.000	0.213	0.213	0.213	0.213
LTE B38	Off	Front Side 10mm	0.346	0.258	0.200	0.061	0.604	0.546	0.407	0.607
	Off	Back Side 10mm	0.464	0.412	0.310	0.098	0.876	0.774	0.562	0.872
	Off	Left Edge 10mm	0.061	0.117	0.107	0.028	0.178	0.168	0.089	0.196
	Off	Right Edge 10mm	0.033	0.072	0.072	0.017	0.106	0.105	0.051	0.122
	Off	Bottom Edge 10mm	0.461	0.000	0.000	0.000	0.461	0.461	0.461	0.461
LTE B41	Off	Front Side 10mm	0.290	0.258	0.200	0.061	0.548	0.489	0.351	0.551
	Off	Back Side 10mm	0.391	0.412	0.310	0.098	0.803	0.701	0.489	0.799
	Off	Left Edge 10mm	0.049	0.117	0.107	0.028	0.166	0.156	0.077	0.184
	Off	Right Edge 10mm	0.066	0.072	0.072	0.017	0.138	0.137	0.083	0.155
	Off	Bottom Edge 10mm	0.391	0.000	0.000	0.000	0.391	0.391	0.391	0.391

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.204 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
Test Software	Speag	DASY4	V4.7 Build 80	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1055	2020/02/20	2022/02/19
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2019/06/11	2021/06/10
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2018/09/13	2021/09/12
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2019/06/11	2021/06/10
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2019/06/10	2021/06/09
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2018/11/05	2021/11/04
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2020/02/17	2022/02/16
E-Field Probe	Speag	EX3DV4	SN: 7510	2020/11/30	2021/11/29
E-Field Probe	Speag	EX3DV4	SN: 7607	2020/08/07	2021/08/06
Data Acquisition Electronics	Speag	DAE3	SN: 878	2020/09/30	2021/09/29
Data Acquisition Electronics	Speag	DAE3	SN: 1454	2020/11/06	2021/11/05
Signal Generator	R&S	SMB100A	177746	2020/06/08	2021/06/07
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2020/09/25	2021/09/24
Power Sensor	R&S	NRV-Z4	100381	2020/09/25	2021/09/24
Power Sensor	R&S	NRV-Z2	100211	2020/09/25	2021/09/24
Wireless Communication Test Set	Agilent	8960-E5515C	MY47510286	2020/06/08	2021/06/07
Wireless Communication Test Set	R&S	CMW 500	104192	2020/06/08	2021/06/07
Network Analyzer	R&S	ZVL-6	101380	2020/06/22	2021/06/21
Thermometer	Elitech	RC-4HC	N/A	2020/09/29	2021/09/28
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	SATIMO	SCLMP	SN 25/13 OCPG56	N/A	N/A
Phantom1(DASY5)	Speag	SAM	SN: 1859	N/A	N/A
Phantom2(DASY5)	Speag	SAM	SN: 1857	N/A	N/A
Phantom3(DASY4)	Speag	SAM	SN: 1392	N/A	N/A
Phantom4(DASY4)	Speag	SAM	SN: 1402	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

Note: For dipole antennas, BALUN has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:

1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss in within 20% of calibrated measurement.
4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using an SCLMP Dielectric Probe Kit.

Head Liquid

Date	Test System	Liquid Type	Freq. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2021.01.27	DASY4	Head	750	21.3	0.92	42.27	0.89	41.94	3.37	0.79
2021.01.28	DASY4	Head	750	21.2	0.91	41.13	0.89	41.94	2.25	-1.93
2021.01.26	DASY4	Head	835	21.3	0.91	42.18	0.90	41.50	1.11	1.64
2021.01.29	DASY4	Head	835	21.2	0.92	40.99	0.90	41.50	2.22	-1.23
2021.01.30	DASY4	Head	835	21.2	0.89	41.12	0.90	41.50	-1.11	-0.92
2021.01.31	DASY4	Head	835	21.2	0.92	41.97	0.90	41.50	2.22	1.13
2021.02.03	DASY4	Head	1750	21.7	1.37	40.66	1.37	40.08	0.00	1.45
2021.02.05	DASY4	Head	1750	21.6	1.38	39.99	1.37	40.08	0.73	-0.22
2021.02.01	DASY4	Head	1900	21.7	1.41	39.37	1.40	40.00	0.71	-1.58
2021.02.02	DASY4	Head	1900	21.4	1.40	40.99	1.40	40.00	0.00	2.48
2021.02.04	DASY4	Head	1900	21.3	1.38	39.98	1.40	40.00	-1.43	-0.05
2021.01.29	DASY5	Head	2450	21.3	1.76	38.63	1.80	39.20	-2.22	-1.45
2021.01.30	DASY5	Head	2450	21.2	1.78	38.90	1.80	39.20	-1.11	-0.77
2021.01.26	DASY5	Head	2600	21.2	1.97	38.15	1.96	39.01	0.51	-2.20
2021.01.27	DASY4	Head	2600	21.3	1.95	37.64	1.96	39.01	-0.51	-3.51
2021.01.28	DASY4	Head	2600	21.1	1.94	38.65	1.96	39.01	-1.02	-0.92
2021.01.31	DASY5	Head	5200	21.4	4.61	37.25	4.66	35.99	-1.07	3.50
2021.02.03	DASY5	Head	5200	21.3	4.63	36.47	4.66	35.99	-0.64	1.33
2021.01.31	DASY5	Head	5300	21.4	4.78	36.51	4.76	35.87	0.42	1.78
2021.02.03	DASY4	Head	5300	21.3	4.78	35.72	4.76	35.87	0.42	-0.42
2021.02.01	DASY4	Head	5500	21.5	4.97	36.93	4.96	35.64	0.20	3.62
2021.02.04	DASY4	Head	5500	21.1	4.95	36.15	4.96	35.64	-0.20	1.43
2021.02.01	DASY4	Head	5600	21.5	5.13	36.59	5.07	35.53	1.18	2.98
2021.02.04	DASY4	Head	5600	21.1	5.10	35.85	5.07	35.53	0.59	0.90
2021.02.02	DASY4	Head	5800	21.4	5.37	35.38	5.27	35.30	1.90	0.23
2021.02.05	DASY4	Head	5800	21.3	5.27	35.30	5.27	35.30	0.00	0.00
Note: The tolerance limit of Conductivity and Permittivity is± 5%.										

ANNEX B SYSTEM CHECK RESULT

Comparing to the original SAR value provided by SPEAG, the validation data should be within itsspecification of 10 %(for 1 g).

Head liquid 1g

Date	Test System	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2021.01.27	DASY4	Head	750	100	0.853	8.53	8.55	-0.23
2021.01.28	DASY4	Head	750	100	0.848	8.48	8.55	-0.82
2021.01.26	DASY4	Head	835	100	0.987	9.87	9.49	4.00
2021.01.29	DASY4	Head	835	100	0.986	9.86	9.49	3.90
2021.01.30	DASY4	Head	835	100	0.985	9.85	9.49	3.79
2021.01.31	DASY4	Head	835	100	0.952	9.52	9.49	0.32
2021.02.03	DASY4	Head	1750	100	3.770	37.70	36.80	2.45
2021.02.05	DASY4	Head	1750	100	3.680	36.80	36.80	0.00
2021.02.01	DASY4	Head	1900	100	3.870	38.70	39.40	-1.78
2021.02.02	DASY4	Head	1900	100	3.950	39.50	39.40	0.25
2021.02.04	DASY4	Head	1900	100	4.030	40.30	39.40	2.28
2021.01.29	DASY5	Head	2450	100	5.270	52.70	52.60	0.19
2021.01.30	DASY5	Head	2450	100	5.160	51.60	52.60	-1.90
2021.01.26	DASY5	Head	2600	100	5.610	56.10	56.30	-0.36
2021.01.27	DASY4	Head	2600	100	5.870	58.70	56.30	4.26
2021.01.28	DASY4	Head	2600	100	5.470	54.70	56.30	-2.84
2021.01.31	DASY5	Head	5200	100	7.280	72.80	73.90	-1.49
2021.02.03	DASY5	Head	5200	100	7.410	74.10	73.90	0.27
2021.01.31	DASY5	Head	5300	100	8.140	81.40	78.10	4.23
2021.02.03	DASY4	Head	5300	100	7.660	76.60	78.10	-1.92
2021.02.01	DASY4	Head	5500	100	7.910	79.10	81.10	-2.47
2021.02.04	DASY4	Head	5500	100	7.950	79.50	81.10	-1.97
2021.02.01	DASY4	Head	5600	100	8.140	81.40	80.30	1.37
2021.02.04	DASY4	Head	5600	100	8.140	81.40	80.30	1.37
2021.02.02	DASY4	Head	5800	100	8.160	81.60	76.90	6.11
2021.02.05	DASY4	Head	5800	100	8.110	81.10	76.90	5.46
Note: The tolerance limit of System validation ±10%.								

Head liquid 10g

Date	Test System	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2021.02.03	DASY4	Head	1750	100	1.910	19.10	19.80	-3.54
2021.02.05	DASY4	Head	1750	100	1.850	18.50	19.80	-6.57
2021.02.02	DASY4	Head	1900	100	2.040	20.40	20.40	0.00
2021.02.04	DASY4	Head	1900	100	2.110	21.10	20.40	3.43
2021.01.31	DASY5	Head	5300	100	2.360	23.60	22.20	6.31
2021.02.01	DASY4	Head	5600	100	2.360	23.60	22.60	4.42
Note: The tolerance limit of System validation ±10%.								

System Performance Check Data (750MHz)

Date: 2021.01.27

Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz;Duty Cycle: 1:1

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.918 S/m; ε_r = 42.268; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.84, 10.84, 10.84); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.08.07
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CW 750 100mW/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.907 W/kg

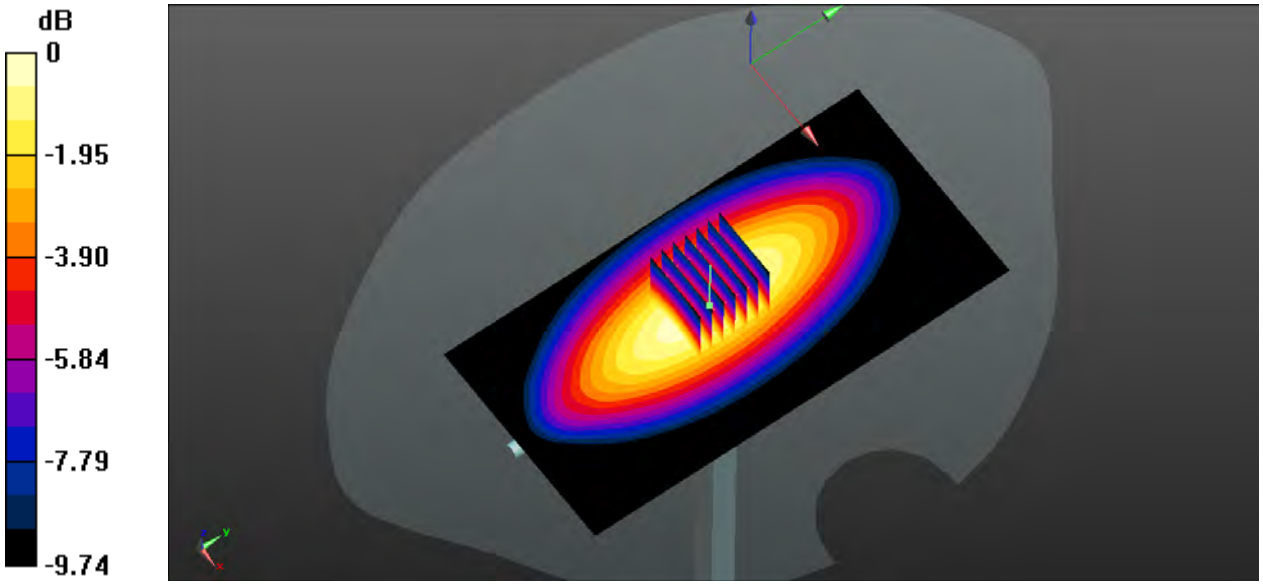
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.05 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.853 W/kg; SAR(10 g) = 0.567 W/kg

Maximum value of SAR (measured) = 0.915 W/kg



0 dB = 0.914 W/kg

System Performance Check Data (750MHz)

Date: 2021.01.28

Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz;Duty Cycle: 1:1

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.913 S/m; ε_r = 41.133; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.84, 10.84, 10.84); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.08.07
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CW 750 100mW/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.907 W/kg

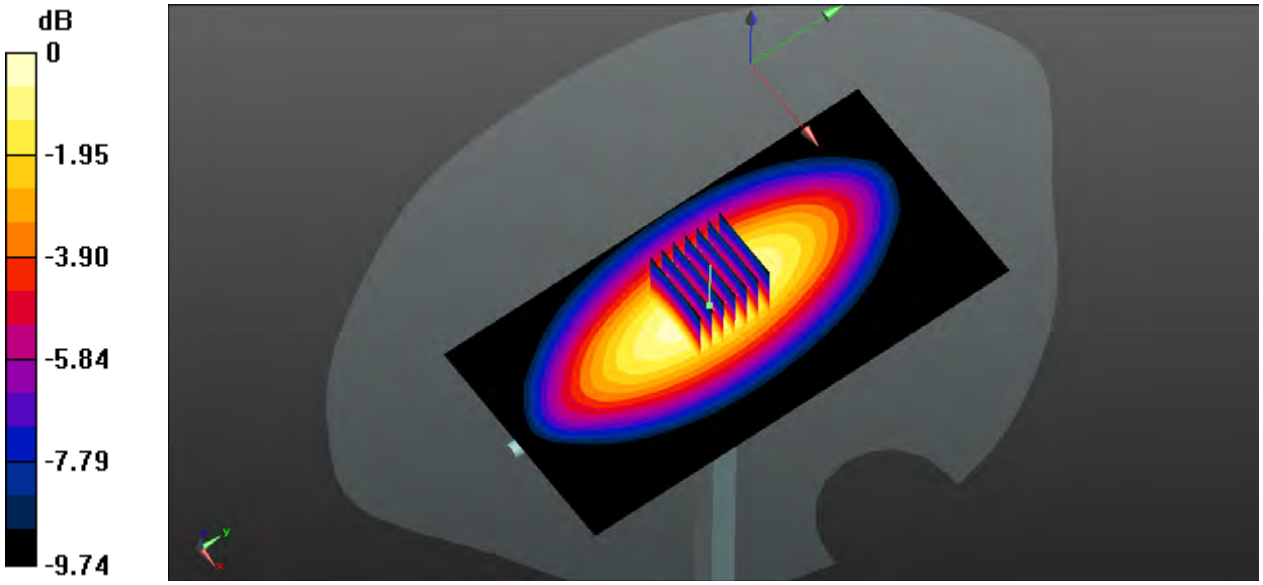
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.05 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.848 W/kg; SAR(10 g) = 0.574 W/kg

Maximum value of SAR (measured) = 0.913 W/kg



0 dB = 0.913 W/kg

System Performance Check Data (835MHz)

Date: 2021.01.26

Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Duty Cycle: 1:1

Medium parameters used: f = 835 MHz; σ = 0.914 S/m; ε_r = 42.182; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.08.07
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CW835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.975 W/kg

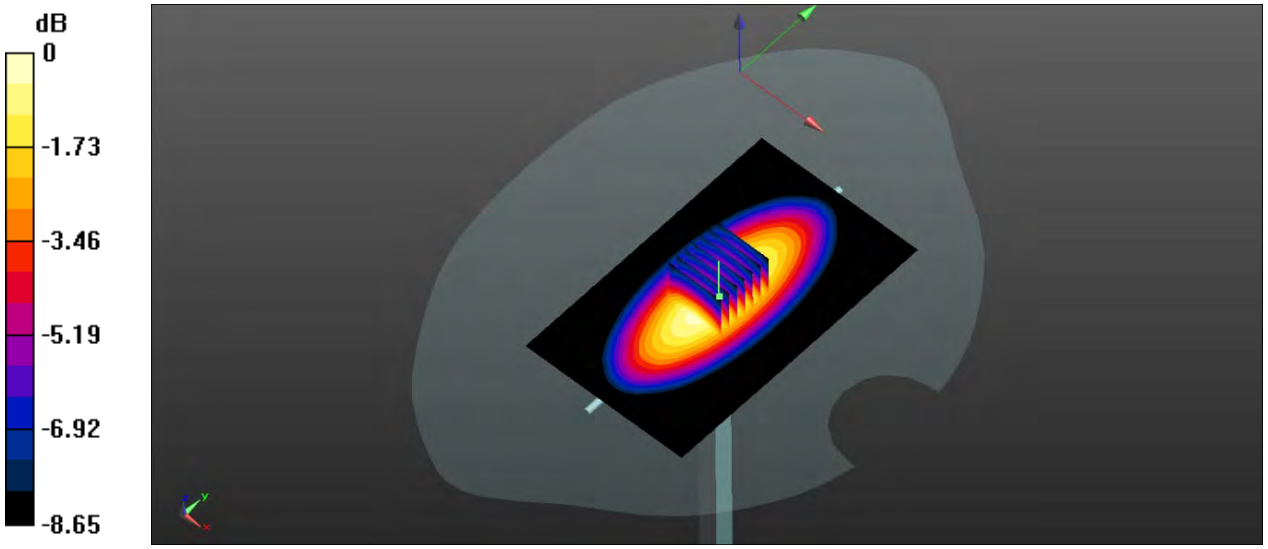
CW835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.6 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.987 W/kg; SAR(10 g) = 0.638 W/kg

Maximum value of SAR (measured) = 0.978 W/kg



0 dB = 0.978 W/kg

System Performance Check Data (835MHz)

Date: 2021.01.29

Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Duty Cycle: 1:1

Medium parameters used: f = 835 MHz; σ = 0.918 S/m; ε_r = 40.989; ρ = 1000 kg/m^3

Phantom section: Flat Section

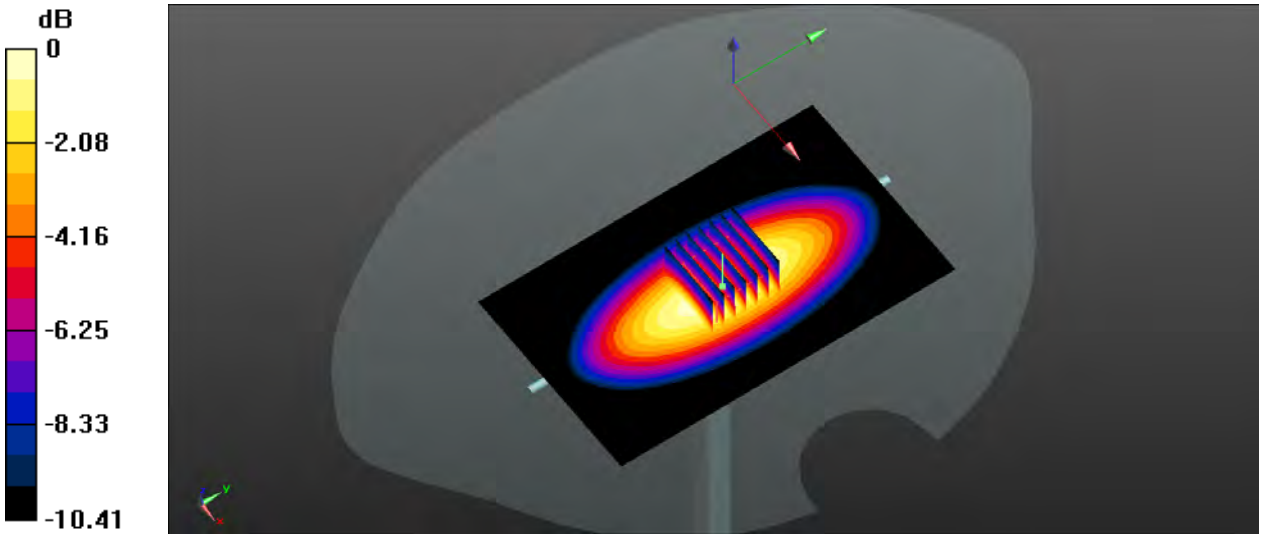
Ambient Temperature:22.1 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.08.07
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CW 835 100mW /Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.08 W/kg

CW 835 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.62 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.986 W/kg; SAR(10 g) = 0.643 W/kg
Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg

System Performance Check Data (835MHz)

Date: 2021.01.30

Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Duty Cycle: 1:1

Medium parameters used: f = 835 MHz; σ = 0.885 S/m; ε_r = 41.123; ρ = 1000 kg/m^3

Phantom section: Flat Section

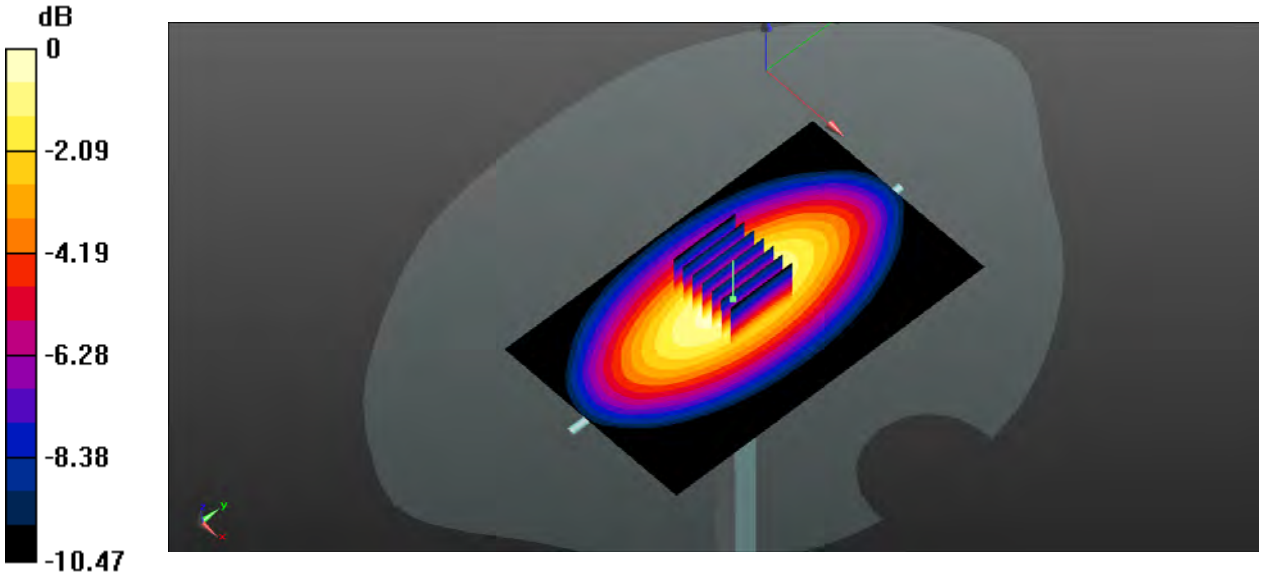
Ambient Temperature:22.4 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.08.07
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.01 W/kg

CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.15 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 0.985 W/kg; SAR(10 g) = 0.647 W/kg
Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg

System Performance Check Data (835MHz)

Date: 2021.01.31

Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Duty Cycle: 1:1

Medium parameters used: f = 835 MHz; σ = 0.916 S/m; ε_r = 41.974; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.08.07
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.992 W/kg

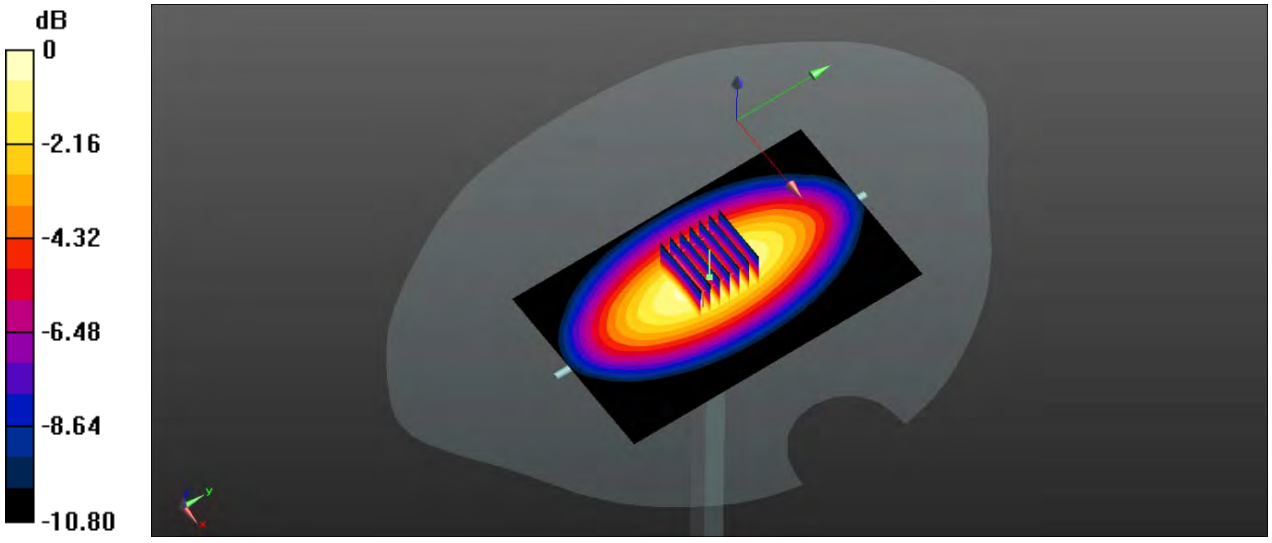
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.58 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.952 W/kg; SAR(10 g) = 0.635 W/kg

Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg

System Performance Check Data (1750MHz)

Date: 2021.02.03

Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1750 MHz; σ = 1.374 S/m; ε_r = 40.662; ρ = 1000 kg/m^3

Phantom section: Flat Section

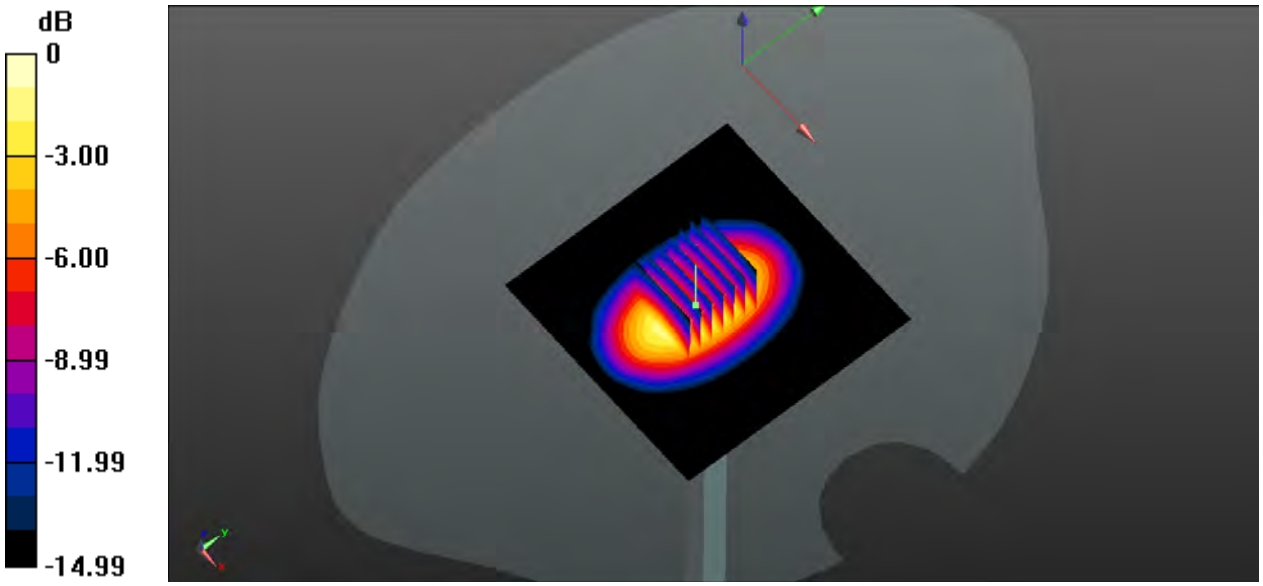
Ambient Temperature:22.6 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.58, 8.58, 8.58); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.08.07
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CW 1750 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.19 W/kg

CW 1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.22 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 6.48 W/kg
SAR(1 g) = 3.77 W/kg; SAR(10 g) = 1.91 W/kg
Maximum value of SAR (measured) = 4.17 W/kg



0 dB = 4.17 W/kg

System Performance Check Data (1750MHz)

Date: 2021.02.05

Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.384 S/m; ε_r = 39.991; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.58, 8.58, 8.58); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.08.07
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CW1750 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.18 W/kg

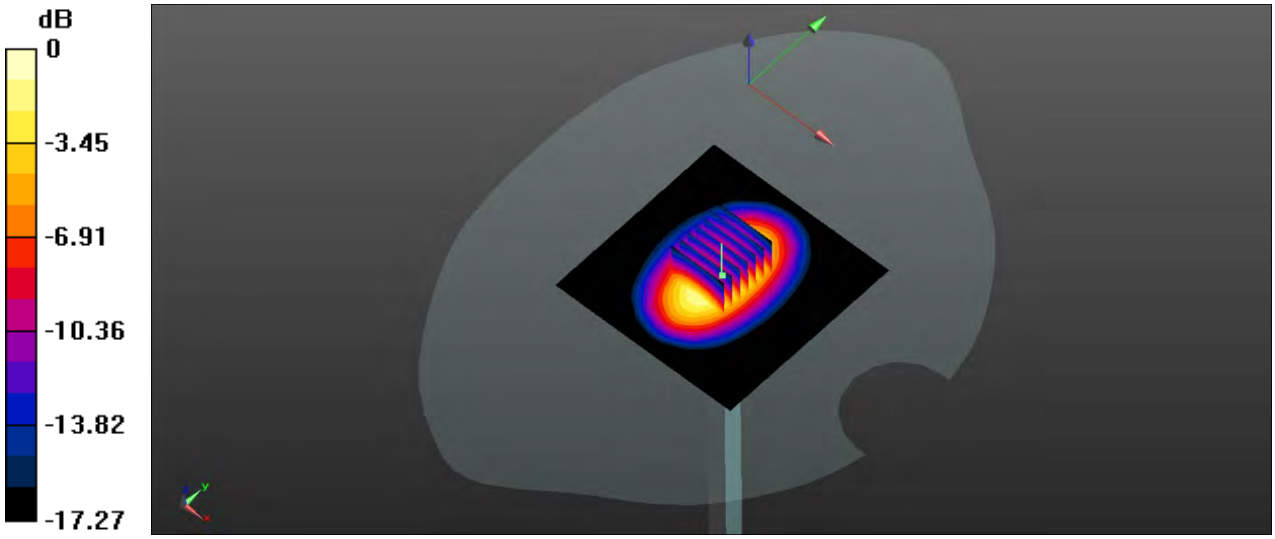
CW1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.03 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.97 W/kg

SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.85 W/kg

Maximum value of SAR (measured) = 4.09 W/kg



0 dB = 4.09 W/kg

System Performance Check Data (1900MHz)

Date: 2021.02.01

Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.414 S/m; ε_r = 39.374; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.26,8.26, 8.26); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.08.07
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CW 1900 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.57 W/kg

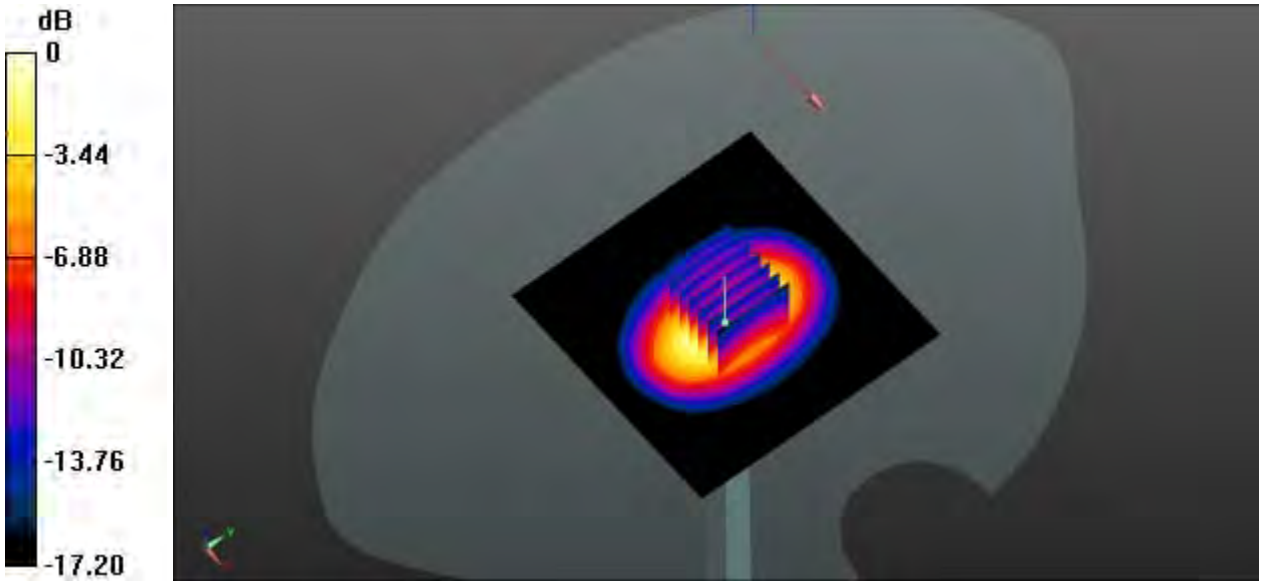
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.10 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.51 W/kg

SAR(1 g) = 3.87 W/kg; SAR(10 g) = 2.05 W/kg

Maximum value of SAR (measured) = 4.34 W/kg



0 dB = 4.34 W/kg

System Performance Check Data (1900MHz)

Date: 2021.02.02

Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.402 S/m; ε_r = 40.991; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.26,8.26, 8.26); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.08.07
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CW1900 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.37 W/kg

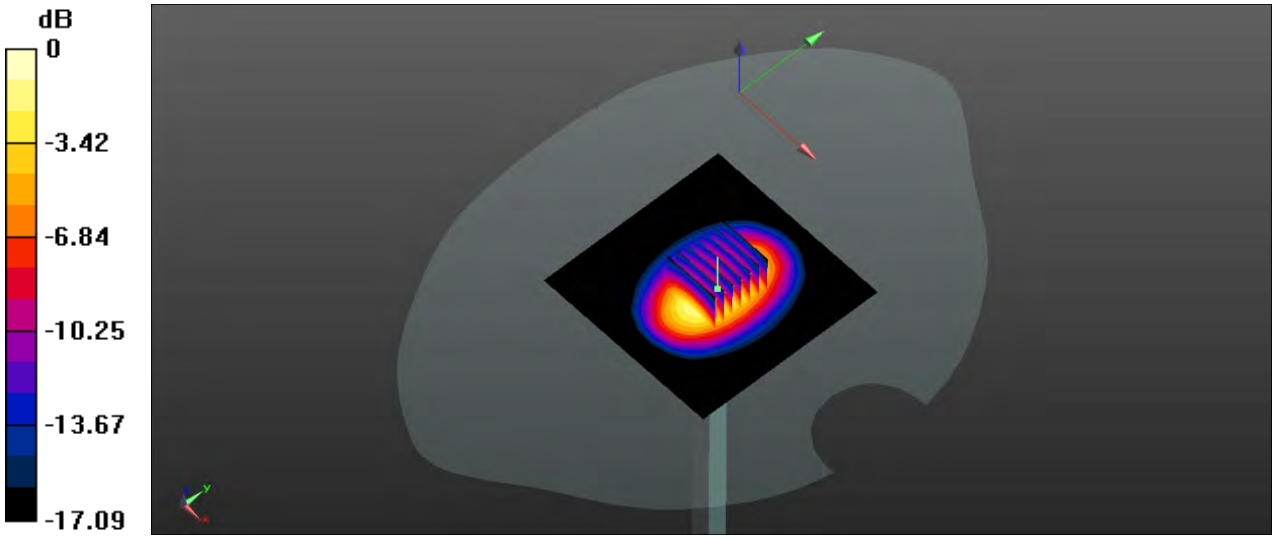
CW1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.71 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 7.21 W/kg

SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.04 W/kg

Maximum value of SAR (measured) = 4.26 W/kg



0 dB = 4.26 W/kg

System Performance Check Data (1900MHz)

Date: 2021.02.04

Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.378 S/m; ε_r = 39.984; ρ = 1000 kg/m^3

Phantom section: Flat Section

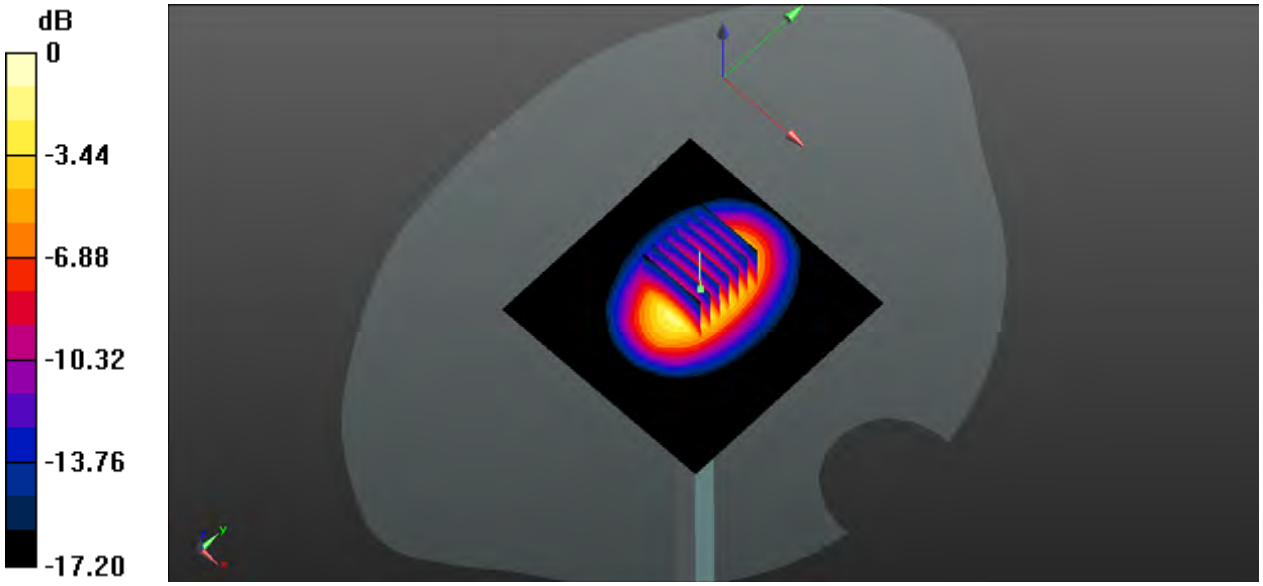
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.26,8.26, 8.26); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.08.07
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CW 1900 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.54 W/kg

CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.10 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 7.51 W/kg
SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.11 W/kg
Maximum value of SAR (measured) = 4.54 W/kg



0 dB = 4.54 W/kg

System Performance Check Data (2450MHz)

Date: 2021.01.29

Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2450 MHz; σ = 1.763 S/m; ε_r = 38.629; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2450 HEAD 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.78 W/kg

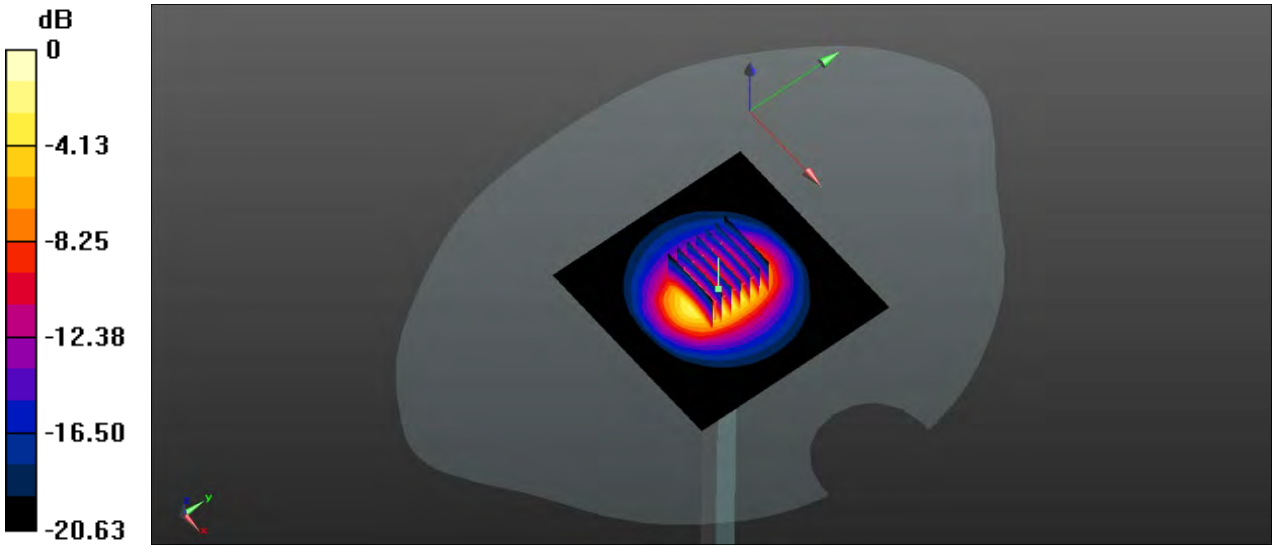
CW2450 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.72 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.27 W/kg; SAR(10 g) = 2.45 W/kg

Maximum value of SAR (measured) = 5.63 W/kg



0 dB = 5.63 W/kg

System Performance Check Data (2450MHz)

Date: 2021.01.30

Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2450 MHz; σ = 1.784 S/m; ε_r = 38.904; ρ = 1000 kg/m^3

Phantom section: Flat Section

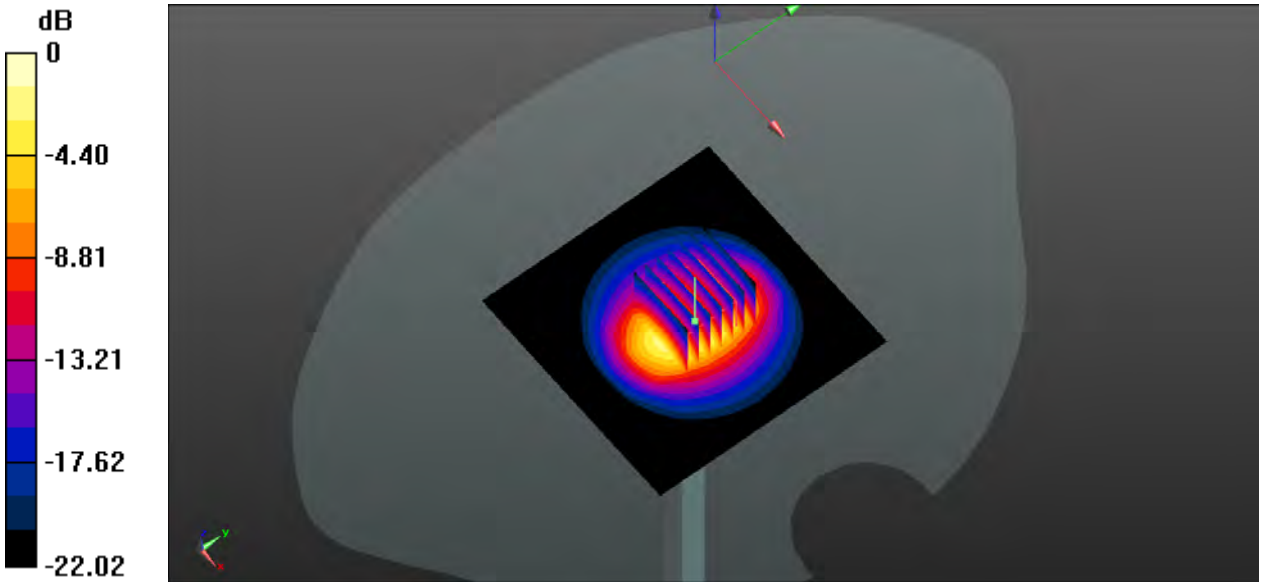
Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.18 W/kg

CW 2450 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.27 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 11.0 W/kg
SAR(1 g) = 5.16 W/kg; SAR(10 g) = 2.54 W/kg
Maximum value of SAR (measured) = 6.04 W/kg



0 dB = 6.09 W/kg

System Performance Check Data (2600MHz)

Date: 2021.01.26

Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2600 MHz; σ = 1.973 S/m; ε_r = 38.146; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600 HEAD 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.29 W/kg

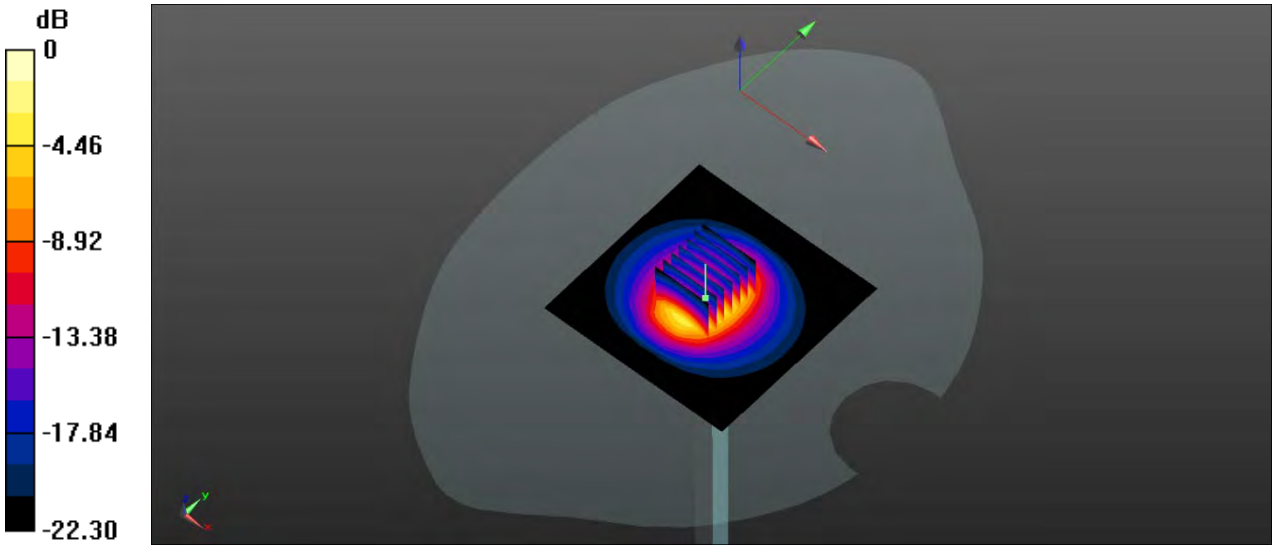
CW2600 HEAD 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.23 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.61 W/kg; SAR(10 g) = 2.54 W/kg

Maximum value of SAR (measured) = 6.51 W/kg



0 dB = 6.51 W/kg

System Performance Check Data (2600MHz)

Date: 2021.01.27

Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2600 MHz; σ = 1.951 S/m; ε_r = 37.641; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.45 W/kg

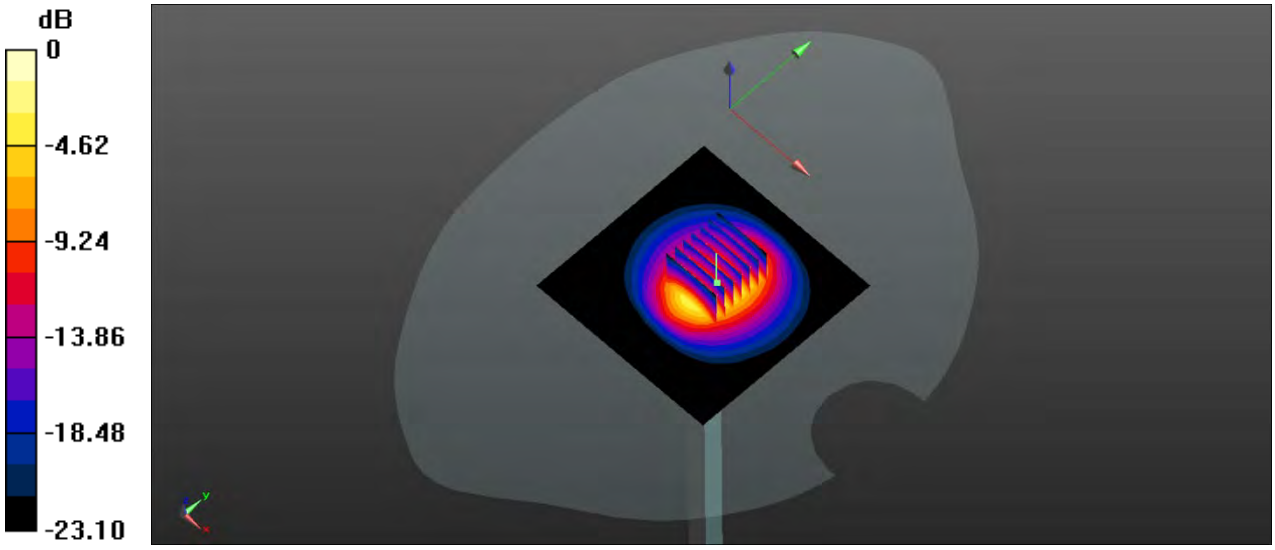
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.43 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.87 W/kg; SAR(10 g) = 2.57 W/kg

Maximum value of SAR (measured) = 6.24 W/kg



0 dB = 6.24 W/kg

System Performance Check Data (2600MHz)

Date: 2021.01.28

Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.936 S/m; ε_r = 38.654; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW /Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.56 W/kg

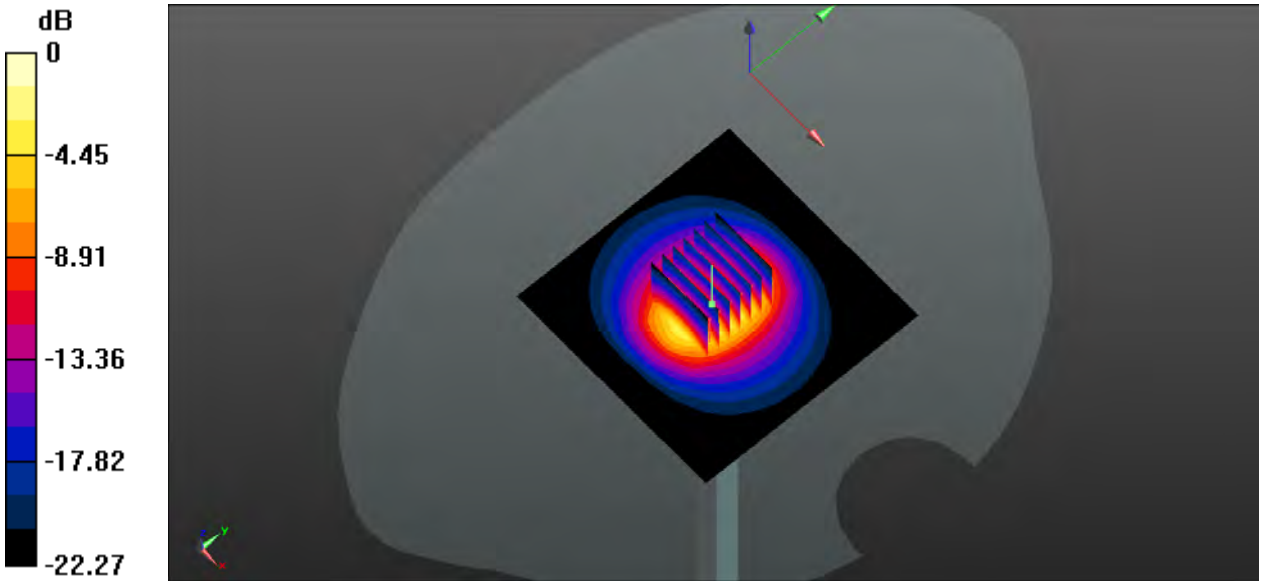
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.58 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 5.47 W/kg; SAR(10 g) = 2.68 W/kg

Maximum value of SAR (measured) = 6.33 W/kg



0 dB = 6.33 W/kg

System Performance Check Data (5200MHz)

Date: 2021.01.31

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5200 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5200 MHz; σ = 4.611 S/m; ε_r = 37.254; ρ = 1000 kg/m^3

Phantom section: Flat Section

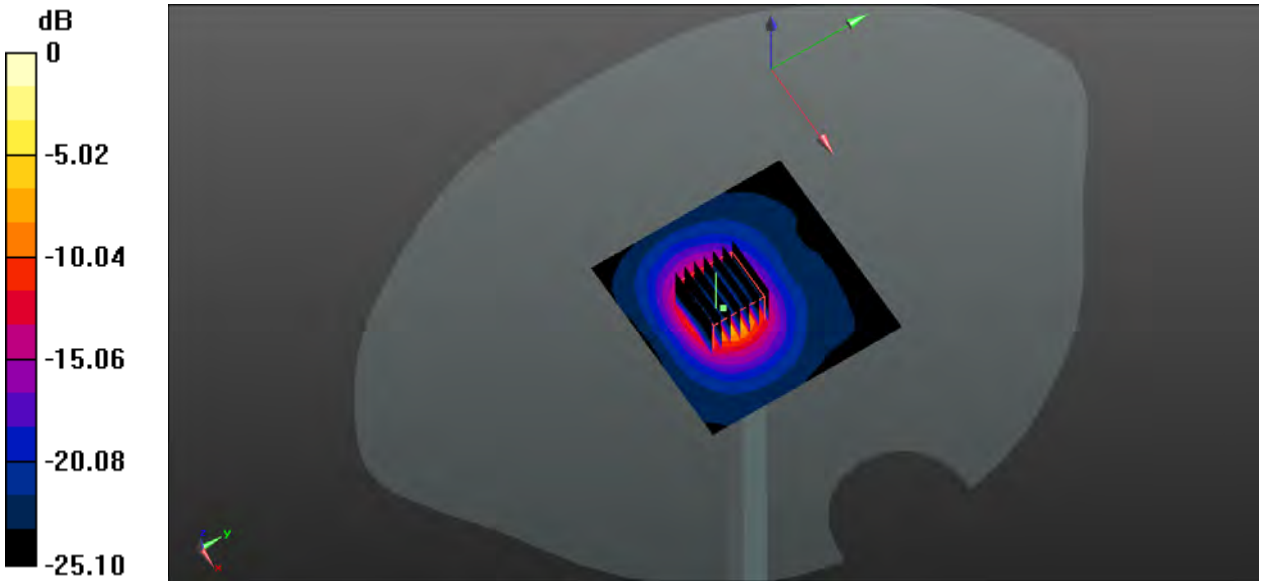
Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.06;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5200 100mW /Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 7.88 W/kg

CW 5200 100mW /Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 24.92 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 33.3 W/kg
SAR(1 g) = 7.28 W/kg; SAR(10 g) = 2.01 W/kg
Maximum value of SAR (measured) = 14.3 W/kg



0 dB = 14.3 W/kg

System Performance Check Data (5200MHz)

Date: 2021.02.03

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5200 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5200 MHz; σ = 4.631 S/m; ε_r = 36.468; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.06;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5200 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 14.3 W/kg

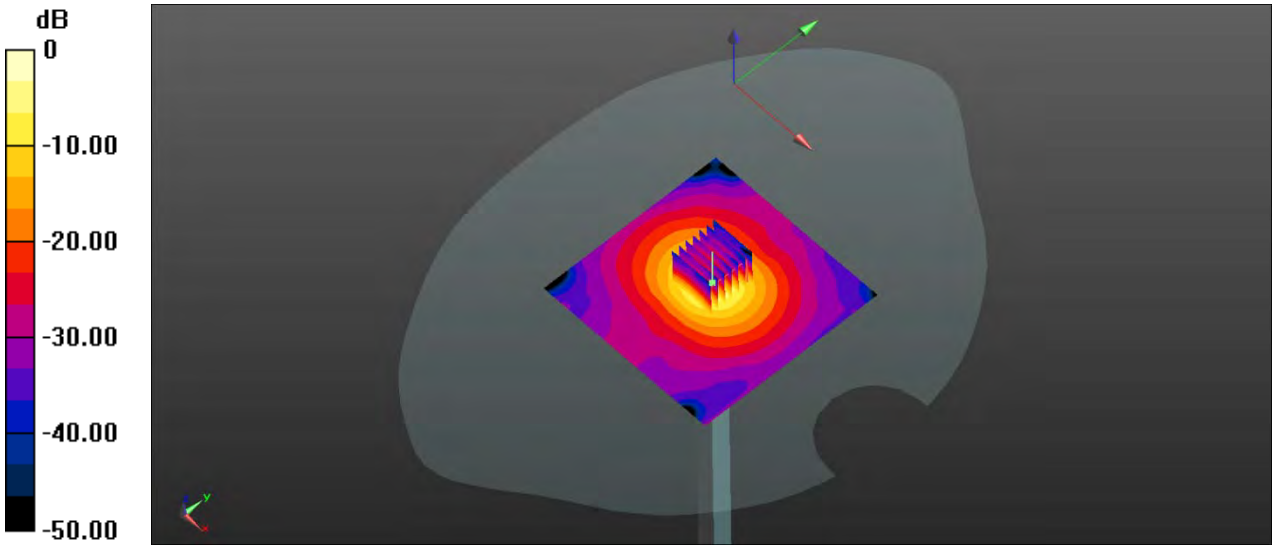
CW 5200 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.78 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 7.41 W/kg; SAR(10 g) = 2.12 W/kg

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



0 dB = 18.9 W/kg

System Performance Check Data (5300MHz)

Date: 2021.01.31

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5300 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5300 MHz; σ = 4.782 S/m; ε_r = 36.506; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.06;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5300 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.11 W/kg

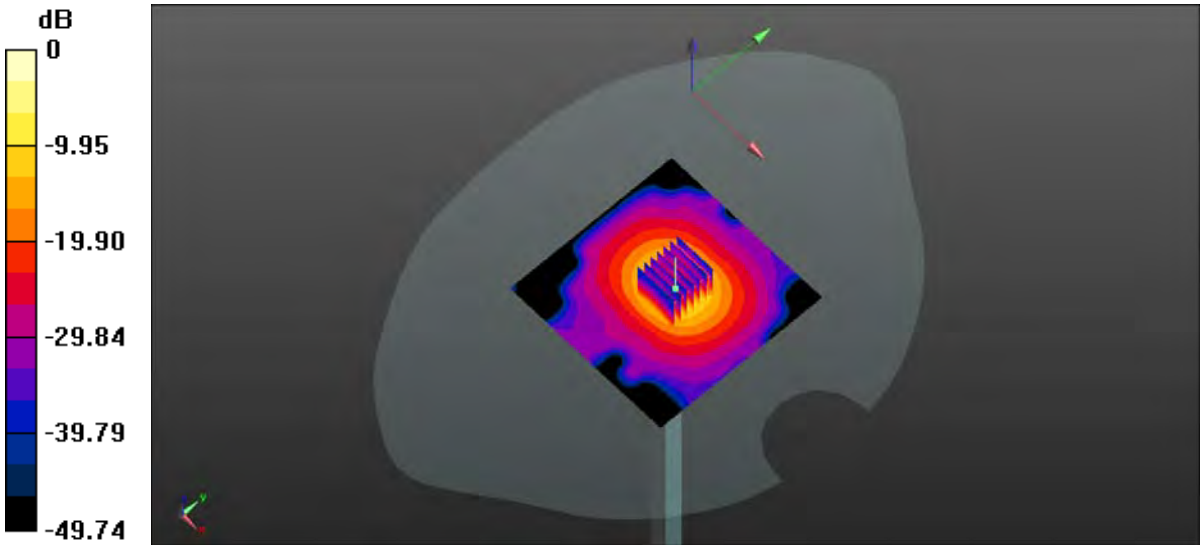
CW 5300 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 36.55 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 31.8 W/kg

SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 18.7 W/kg



0 dB = 18.7 W/kg

System Performance Check Data (5300MHz)

Date: 2021.02.03

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5300 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5300 MHz; σ = 4.78 S/m; ε_r = 35.721; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.06;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5300 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.63 W/kg

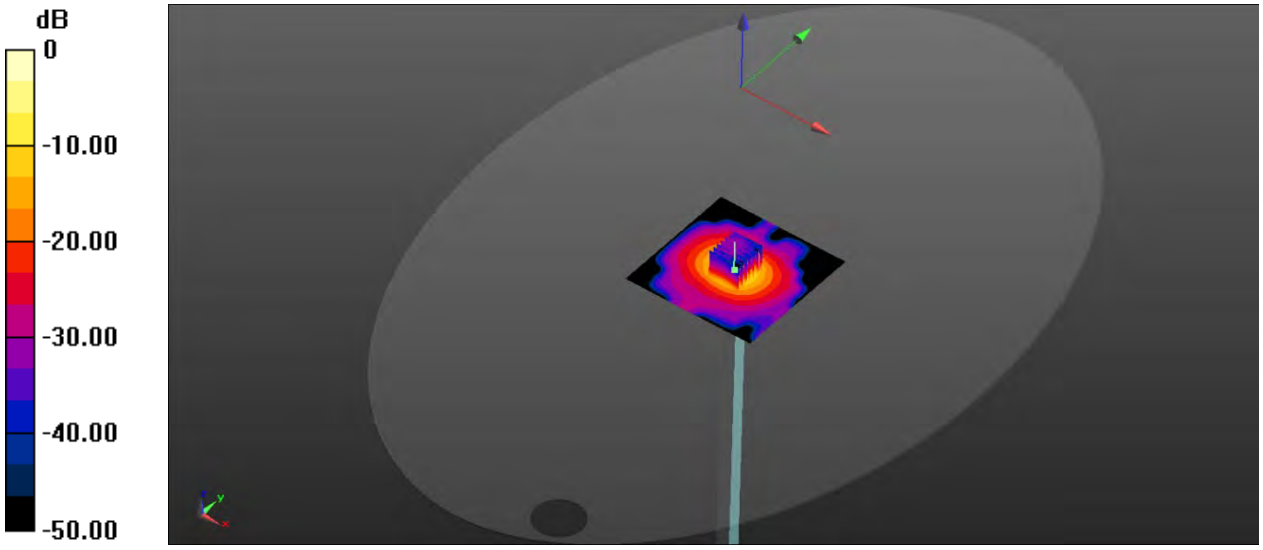
CW5300 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.58 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 32.4 W/kg

SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.29 W/kg

Maximum value of SAR (measured) = 19.1 W/kg



0 dB = 19.1 W/kg

System Performance Check Data (5500MHz)

Date: 2021.02.01

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5500 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5500 MHz; σ = 4.966 S/m; ε_r = 36.927; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.89, 4.89, 4.89); Calibrated: 2020.11.06;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5500 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 21.4 W/kg

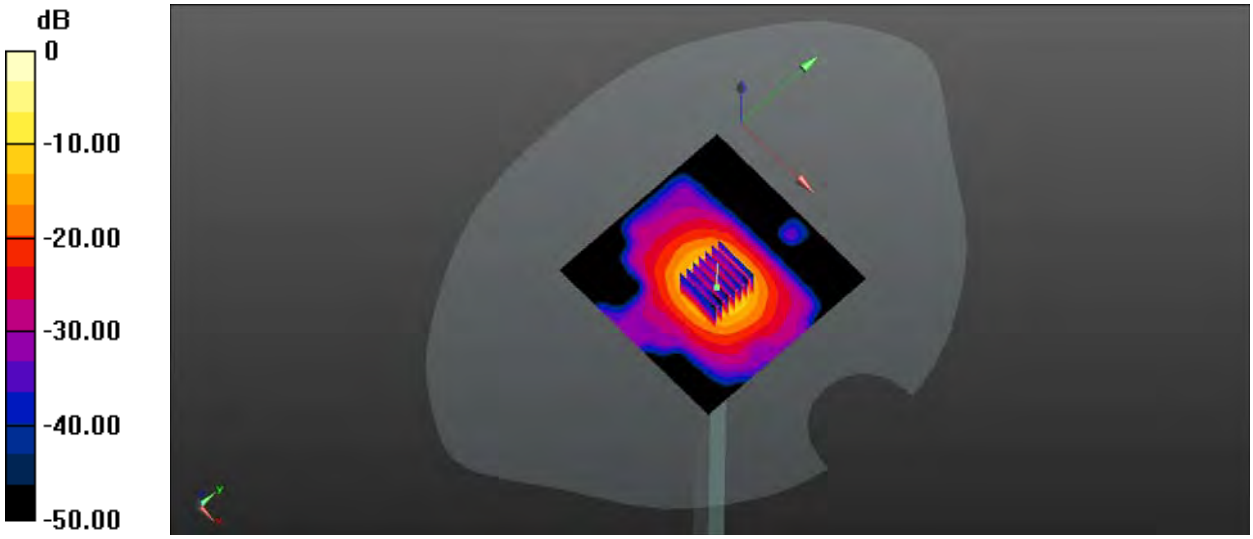
CW 5500 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 34.48 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 38.1 W/kg

SAR(1 g) = 7.91W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 20.9 W/kg

System Performance Check Data (5500MHz)

Date: 2021.02.04

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5500 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5500 MHz; σ = 4.951 S/m; ε_r = 36.147; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.89, 4.89, 4.89); Calibrated: 2020.11.06;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5500 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 20.8 W/kg

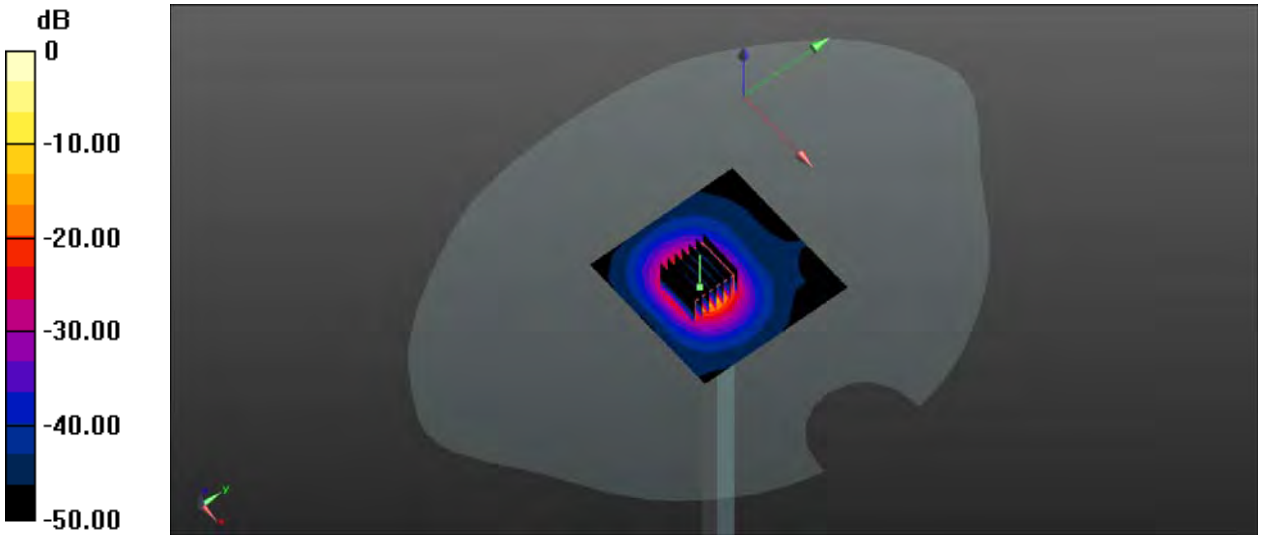
CW 5500 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 34.14 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 38.1 W/kg

SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.28 W/kg

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



0 dB = 20.2 W/kg

System Performance Check Data (5600MHz)

Date: 2021.02.01

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5600 MHz; σ = 5.126 S/m; ε_r = 36.585; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.89, 4.89, 4.89); Calibrated: 2020.11.06;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 21.6 W/kg

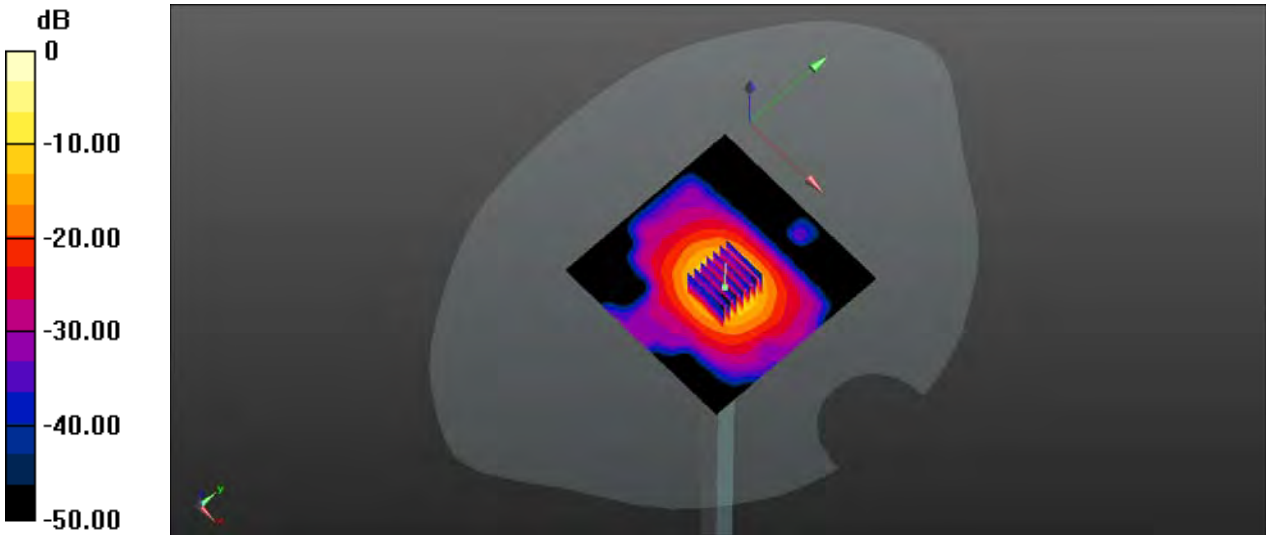
CW 5600 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 34.52 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 38.3 W/kg

SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 20.8 W/kg



0 dB = 20.8 W/kg

System Performance Check Data (5600MHz)

Date: 2021.02.04

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5600 MHz; σ = 5.097 S/m; ε_r = 35.852; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.89, 4.89, 4.89); Calibrated: 2020.11.06;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 21.2 W/kg

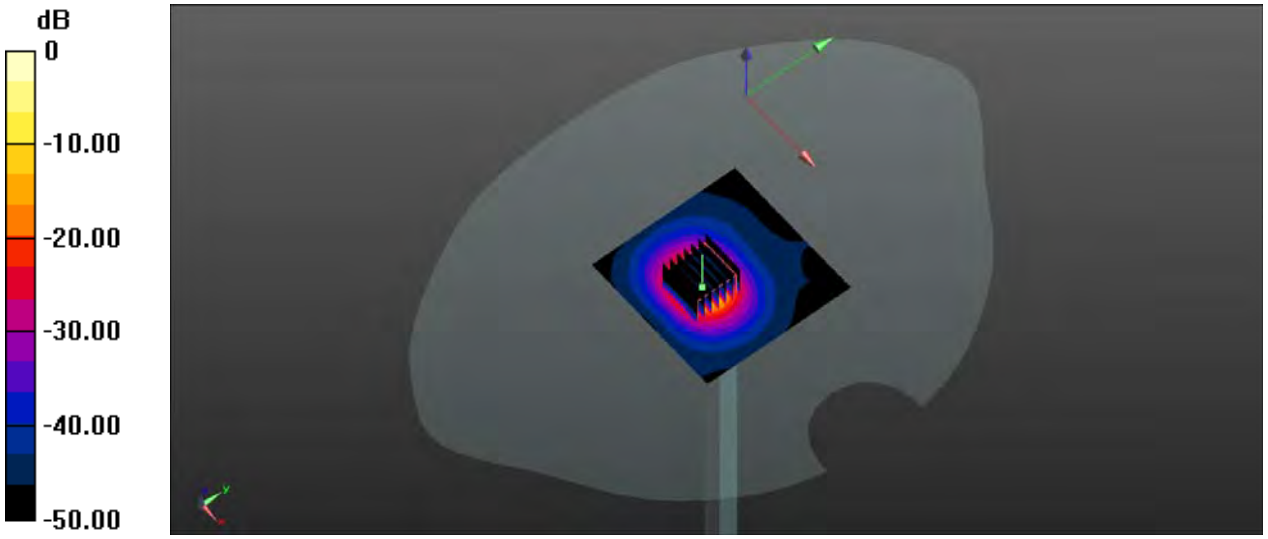
CW 5600 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 34.61 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 38.6 W/kg

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

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



0 dB = 20.7 W/kg

System Performance Check Data (5800MHz)

Date: 2021.02.02

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5800 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5800 MHz; σ = 5.368 S/m; ε_r = 35.378; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.96, 4.96, 4.96); Calibrated: 2020.11.06;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5800 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 15.5 W/kg

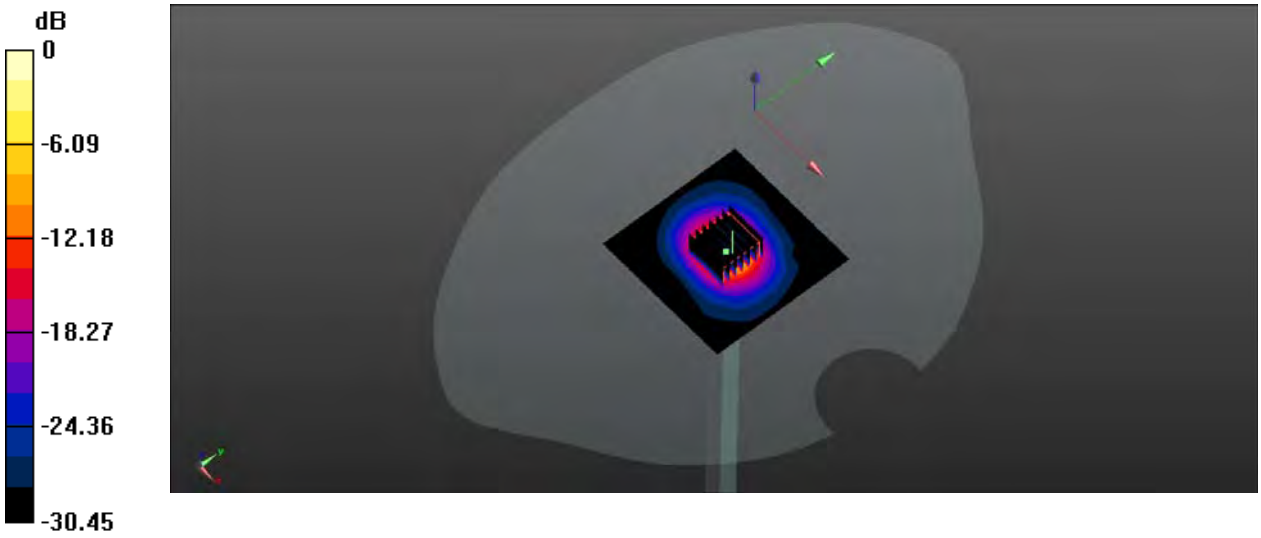
CW 5800 100mW/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 40.13 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 39.1 W/kg

SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.19 W/kg

Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 14.5 W/kg

System Performance Check Data (5800MHz)

Date: 2021.02.05

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5800 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5800 MHz; σ = 5.273 S/m; ε_r = 35.301; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.96, 4.96, 4.96); Calibrated: 2020.11.06;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.30
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5800 100mW/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.04 W/kg

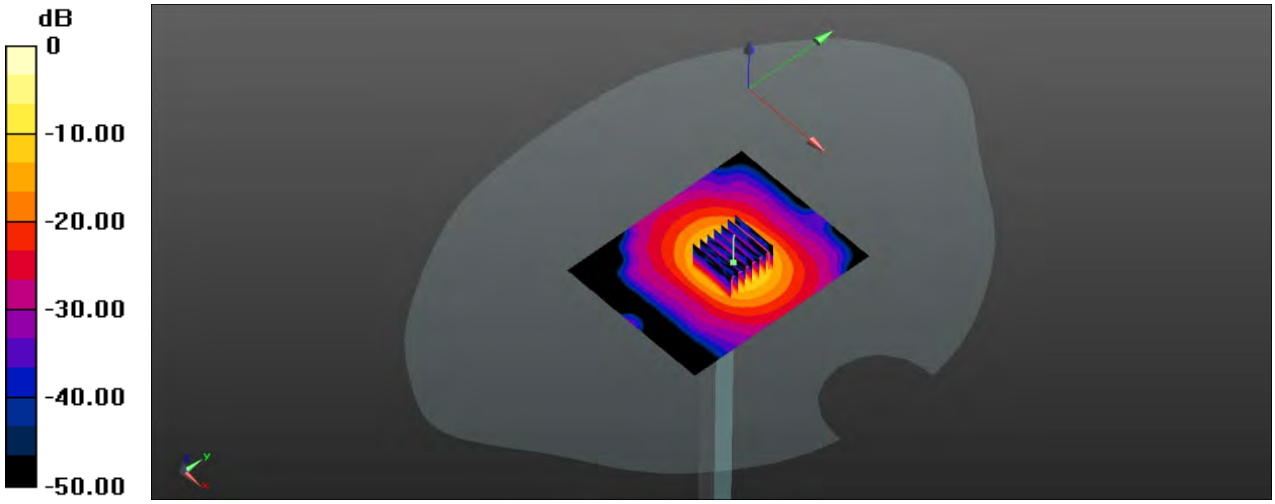
]**CW 5800 100mW/Zoom Scan (7x7x21)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 33.35 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 40.5 W/kg

SAR(1 g) = 8.11 W/kg; SAR(10 g) = 2.23 W/kg

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



0 dB = 19.2 W/kg

ANNEX C TEST DATA

MEAS.1 Right Head with Cheek on High Channel in GPRS850 3Slots mode with Antenna Up

Date: 2021.01.26

Communication System Band: GPRS 850; Frequency: 848.8 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.928 S/m; ε_r = 42.177; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch 251/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.191 W/kg

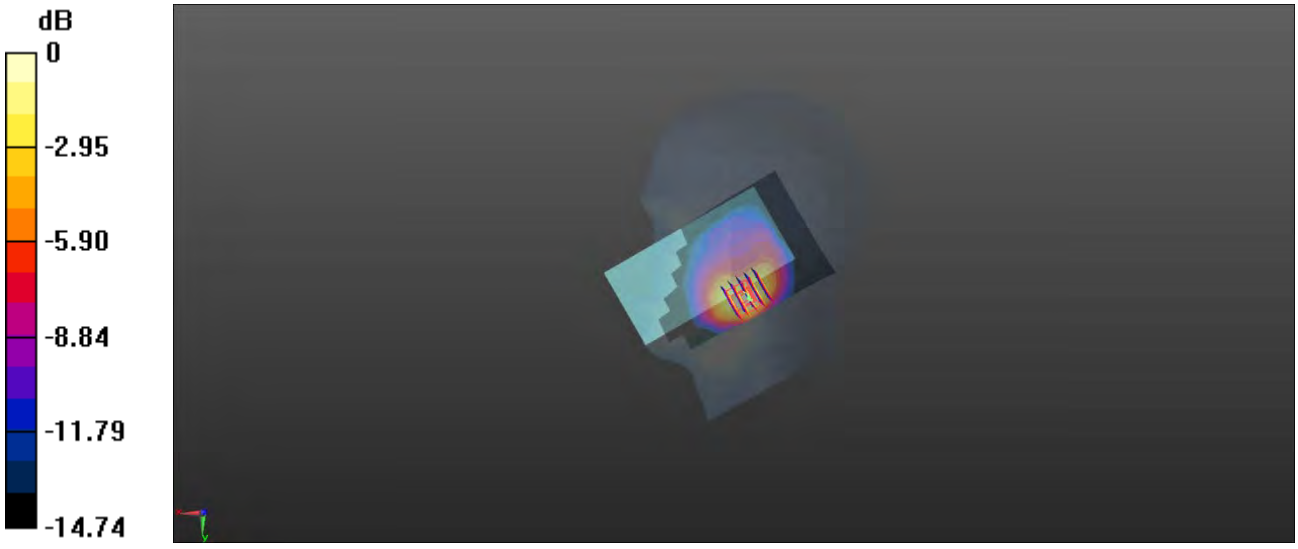
Ch 251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.924 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.189 W/kg



0 dB = 0.189 W/kg

MEAS.2 Body Plane with Back Side 15mm on Middle Channel in GPRS850 3Slots mode with Antenna Down

Date: 2021.01.26

Communication System Band: GPRS 850; Frequency: 836.6 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.911 S/m; ε_r = 42.196; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch190/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.185 W/kg

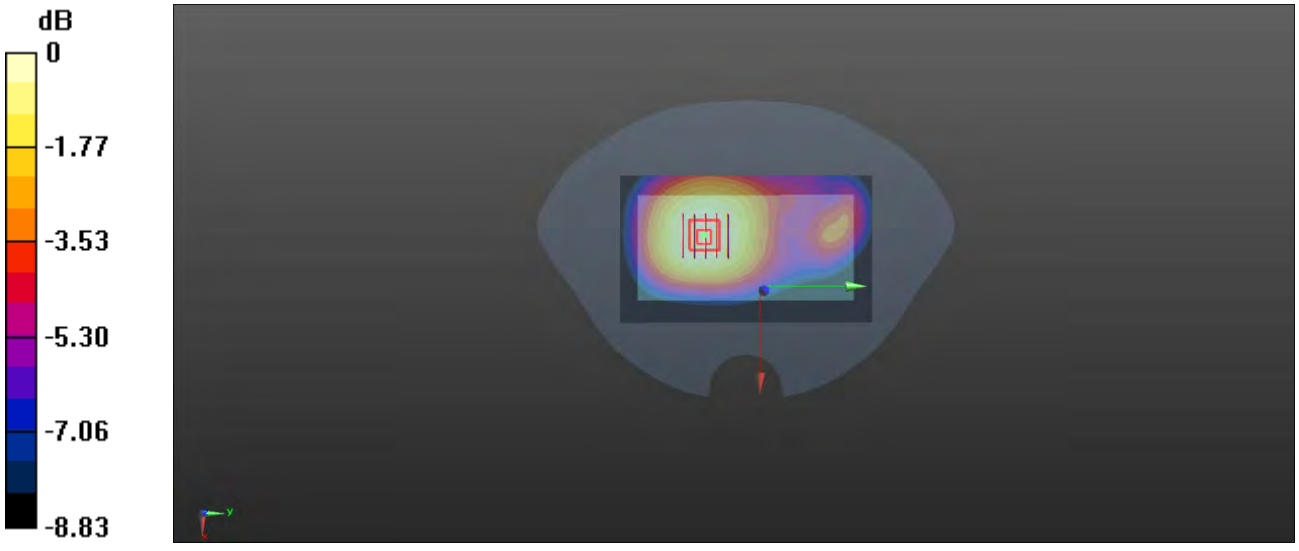
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.64 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.221 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.183 W/kg



0 dB = 0.183 W/kg

MEAS.3 Body Plane with Left Edge 10mm on Middle Channel in GPRS850 3Slots mode with Antenna Up

Date: 2021.01.26

Communication System Band: GPRS 850; Frequency: 836.6 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.911 S/m; ε_r = 42.196; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch190/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.329 W/kg

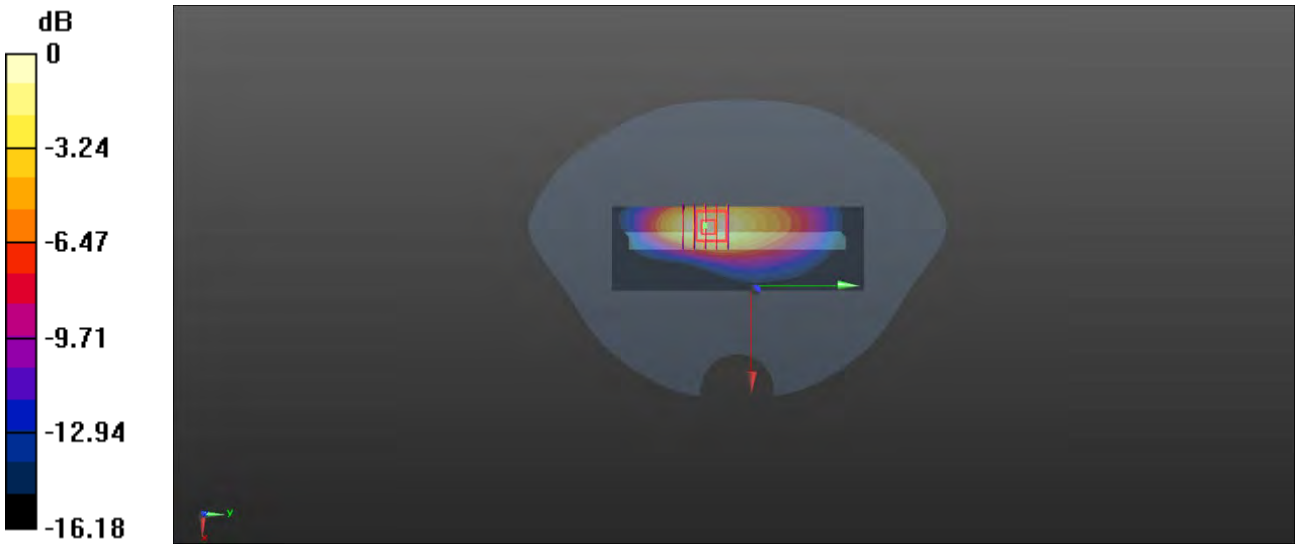
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.12 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.508 W/kg

SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.161 W/kg

Maximum value of SAR (measured) = 0.322 W/kg



0 dB = 0.322 W/kg

MEAS.4 Left Head with Cheek on High Channel in GPRS1900 4Slots mode with Antenna Up

Date: 2021.02.01

Communication System Band: GPRS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:2.08

Medium parameters used: f = 1909.8 MHz; σ = 1.418 S/m; ε_r = 39.372; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.26, 8.26, 8.26); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch 810/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.829 W/kg

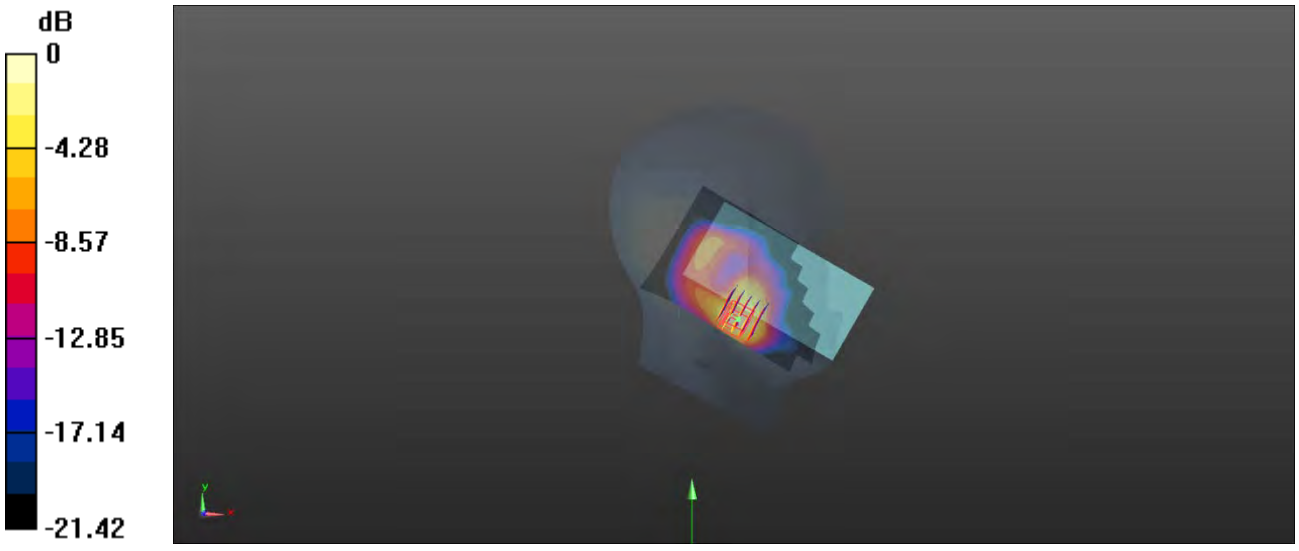
Ch 810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.791 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.720 W/kg; SAR(10 g) = 0.348 W/kg

Maximum value of SAR (measured) = 0.771 W/kg



0 dB = 0.771 W/kg

MEAS.5 Body Plane with Back Side 15mm on Low Channel in GPRS1900 4Slots mode with Antenna Down

Date: 2021.02.01

Communication System Band: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:2.08

Medium parameters used: f = 1850.2 MHz; σ = 1.4 S/m; ε_r = 39.851; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.26, 8.26, 8.26); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch512/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.241 W/kg

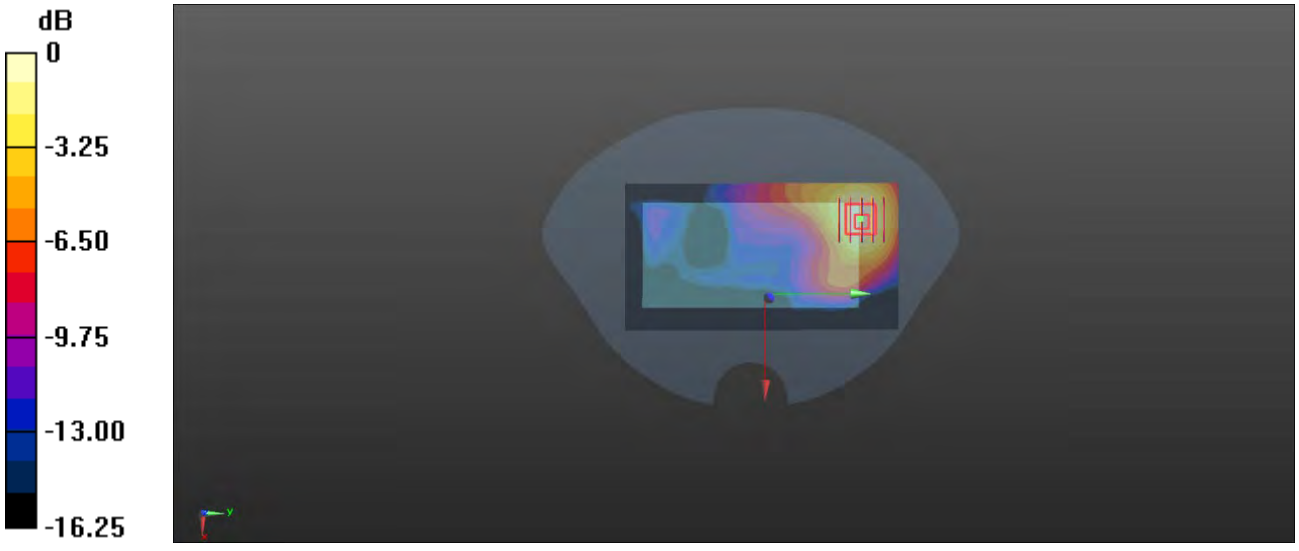
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.023 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.362 W/kg

SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.239 W/kg



0 dB = 0.239 W/kg

MEAS.6 Body Plane with Right Edge 10mm on Low Channel in GPRS1900 4Slots mode with Antenna Up

Date: 2021.02.01

Communication System Band: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:2.08

Medium parameters used: f = 1850.2 MHz; σ = 1.4 S/m; ε_r = 39.851; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.26, 8.26, 8.26); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch 512/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.785 W/kg

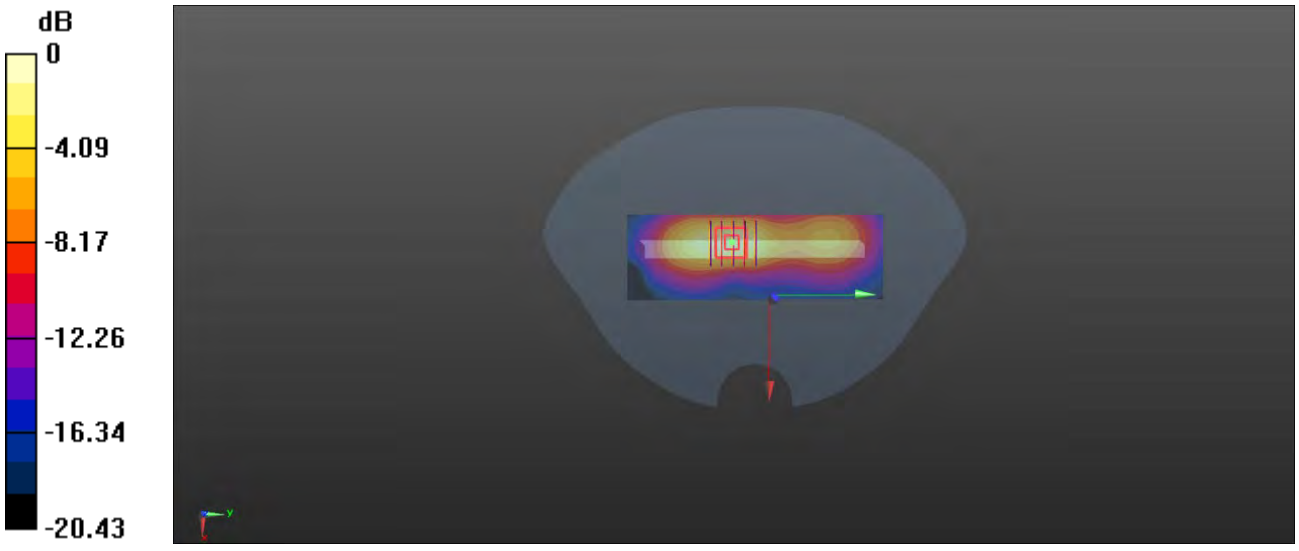
Ch 512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.39 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.701 W/kg; SAR(10 g) = 0.349 W/kg

Maximum value of SAR (measured) = 0.802 W/kg



0 dB = 0.802 W/kg

MEAS.7 Left Head with Cheek on High Channel in WCDMA Band2 mode with Antenna Up

Date: 2021.02.02

Communication System Band: Band 2; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.409 S/m; ε_r = 40.916; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.26, 8.26, 8.26); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch 9538/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.695 W/kg

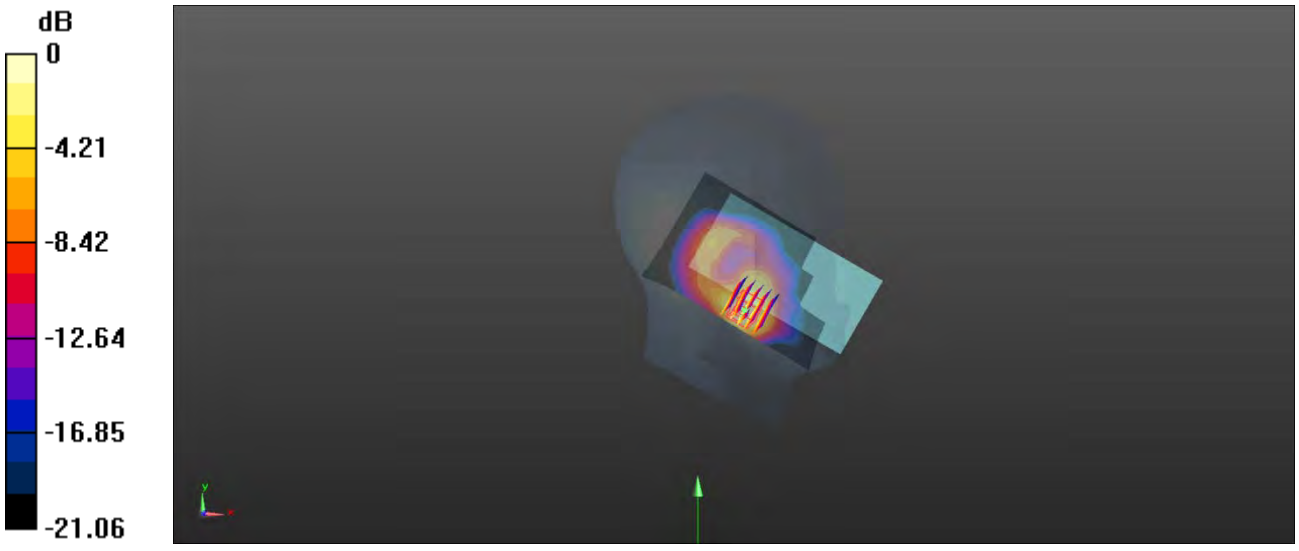
Ch 9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.849 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.298 W/kg

Maximum value of SAR (measured) = 0.640 W/kg



0 dB = 0.640 W/kg

MEAS.8 Body Plane with Back Side 15mm on High Channel in WCDMA Band2 mode with Antenna Down

Date: 2021.02.02

Communication System Band: Band 2; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1907.6 MHz; σ = 1.409 S/m; ε_r = 40.916; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.26, 8.26, 8.26); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.280 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.947 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.422 W/kg

SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 0.278 W/kg

0 dB = 0.278 W/kg

MEAS.9 Body Plane with Right Edge 10mm on High Channel in WCDMA Band2 mode with Antenna Up

Date: 2021.02.02

Communication System Band: Band 2; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1907.6 MHz; σ = 1.409 S/m; ε_r = 40.916; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.26, 8.26, 8.26); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch 9538/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.892 W/kg

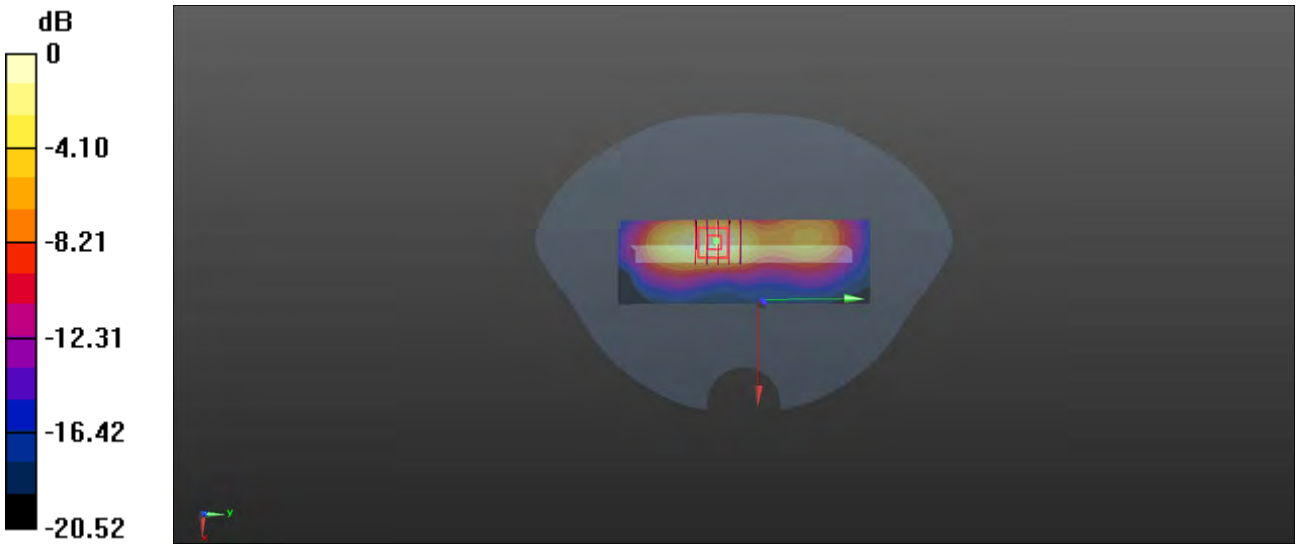
Ch 9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.85 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.795 W/kg; SAR(10 g) = 0.395 W/kg

Maximum value of SAR (measured) = 0.907 W/kg



0 dB = 0.907 W/kg

MEAS.10 Left Head with Cheek on High Channel in WCDMA Band4 mode with Antenna Up

Date: 2021.02.03

Communication System Band: Band4; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.379 S/m; ε_r = 40.615; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.58, 8.58, 8.58); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch 1513/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.639 W/kg

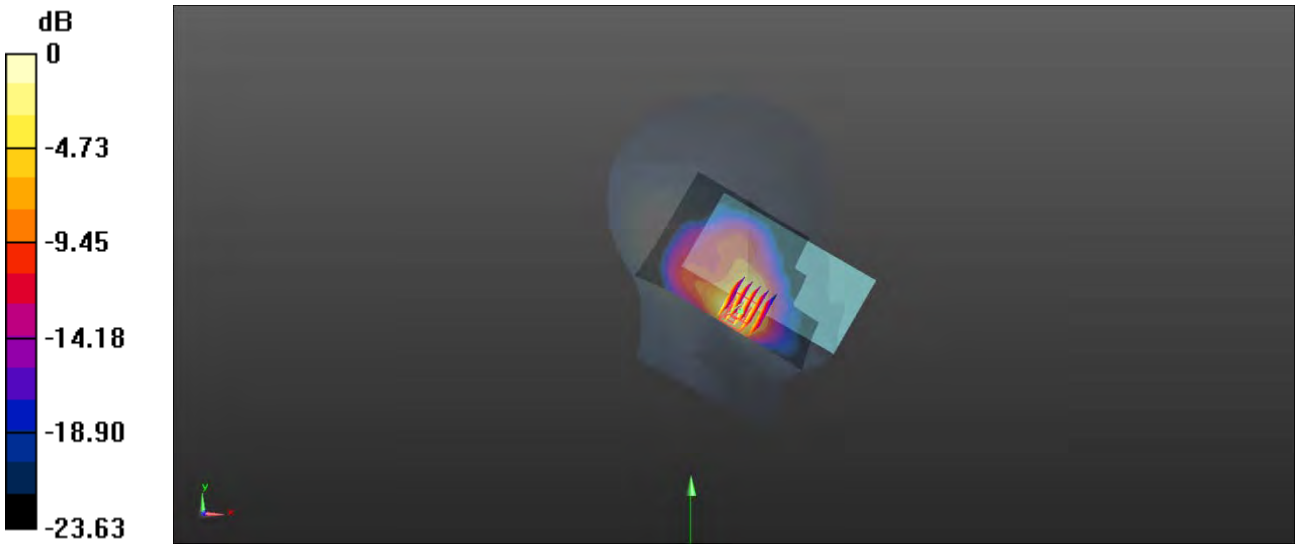
Ch 1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.073 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.306 W/kg

Maximum value of SAR (measured) = 0.717 W/kg



0 dB = 0.717 W/kg

MEAS.11 Body Plane with Back Side 15mm on High Channel in WCDMA Band4 mode with Antenna Down

Date: 2021.02.03

Communication System Band: Band4; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.379 S/m; ε_r = 40.615; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.58, 8.58, 8.58); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.284 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.686 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.154 W/kg

Maximum value of SAR (measured) = 0.281 W/kg

0 dB = 0.281 W/kg

MEAS.12 Body Plane with Bottom Edge 10mm on Middle Channel in WCDMA Band4 mode with Antenna Down

Date: 2021.02.03

Communication System Band: Band4; Frequency: 1732.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.353 S/m; ε_r = 40.864; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.58, 8.58, 8.58); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1412/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.03 W/kg

Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.46 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.919 W/kg; SAR(10 g) = 0.495 W/kg

Maximum value of SAR (measured) = 1.03 W/kg

0 dB = 1.03 W/kg

MEAS.13 Right Head with Cheek on High Channel in WCDMA Band5 mode with Antenna Up

Date: 2021.01.30

Communication System Band: Band5; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.907 S/m; ε_r = 40.402; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM_TP1395_Left; Type: QD 000 P40 CB; Serial: TP-1395
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch 4233/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.739 W/kg

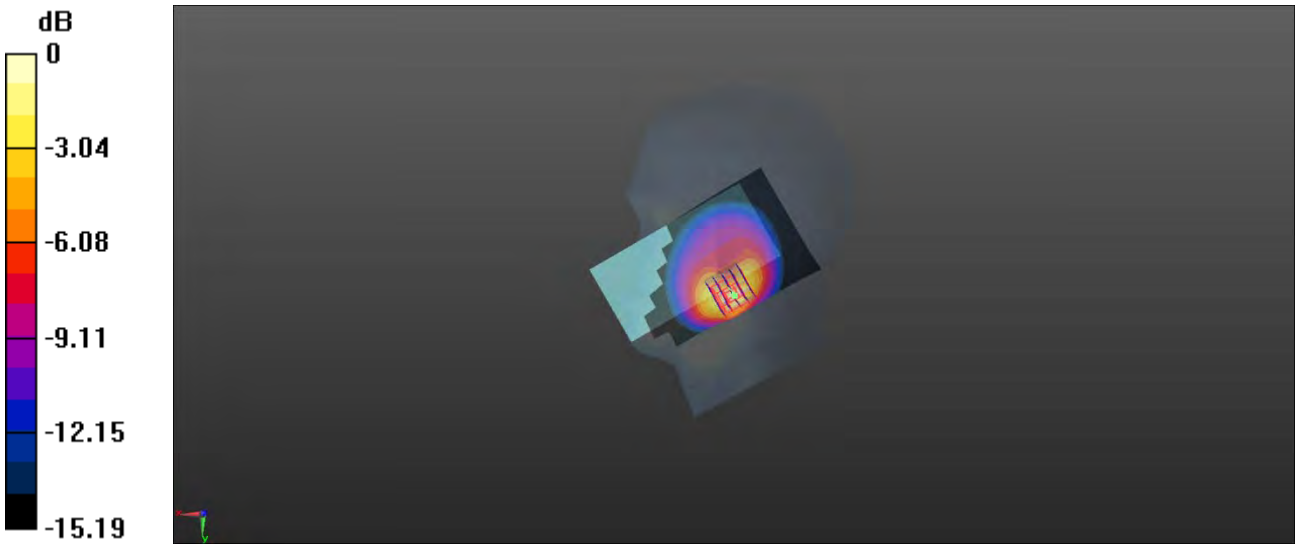
Ch 4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.445 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.743 W/kg; SAR(10 g) = 0.383 W/kg

Maximum value of SAR (measured) = 0.753 W/kg



0 dB = 0.753 W/kg

MEAS.14 Body Plane with Back Side 15mm on High Channel in WCDMA Band5 mode with Antenna Up

Date: 2021.01.30

Communication System Band: Band5; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.907 S/m; ε_r = 40.402; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4233/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.353 W/kg

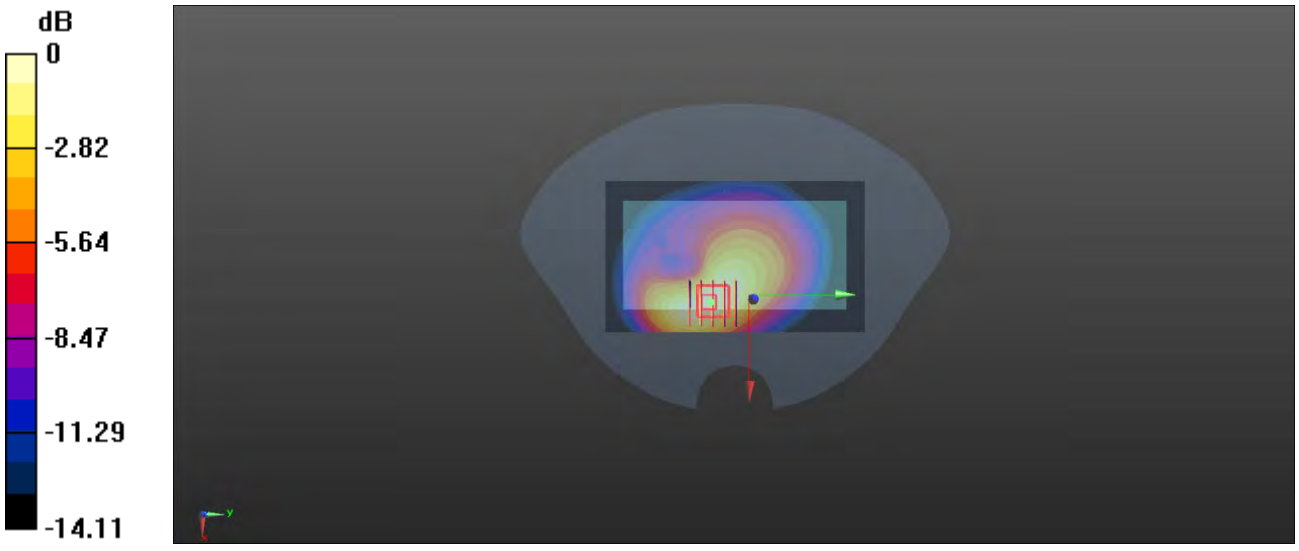
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.27 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.506 W/kg

SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.355 W/kg



0 dB = 0.355 W/kg

MEAS.15 Body Plane with Left Edge 10mm on High Channel in WCDMA Band5 mode with Antenna Up

Date: 2021.01.30

Communication System Band: Band5; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.907 S/m; ε_r = 40.402; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4233/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.900 W/kg

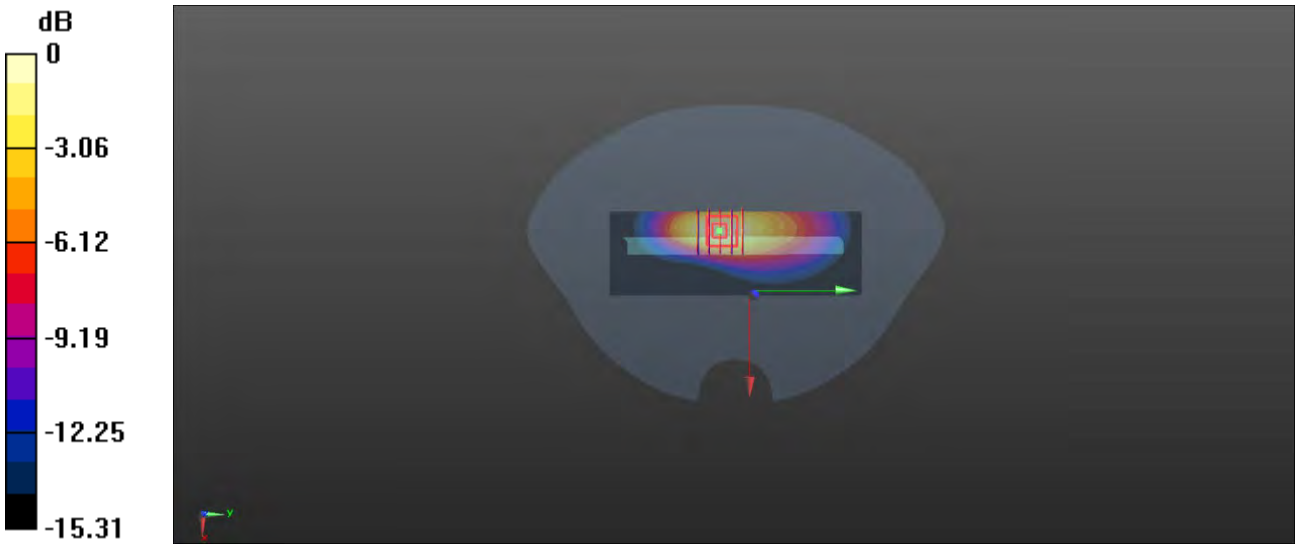
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.64 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.790 W/kg; SAR(10 g) = 0.439 W/kg

Maximum value of SAR (measured) = 0.889 W/kg



0 dB = 0.889 W/kg

MEAS.16 Left Head with Cheek on High Channel in LTE Band2 mode with Antenna Up

Date: 2021.02.04

Communication System Band: Band2; Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.378 S/m; ε_r = 39.984; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM_TP1398_Middle; Type: QD 000 P40 CB; Serial: TP-1398
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch 19100/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.754 W/kg

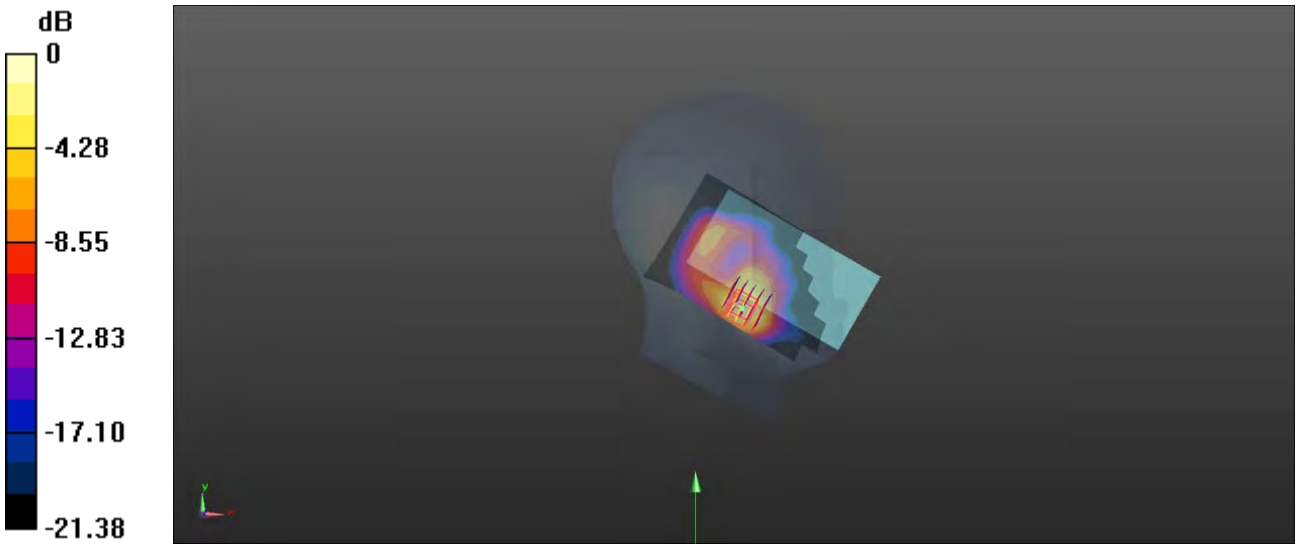
Ch 19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.238 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.698 W/kg



0 dB = 0.698 W/kg

MEAS.17 Body Plane with Back Side 15mm on Middle Channel in LTE Band2 mode with Antenna Down

Date: 2021.02.04

Communication System Band: Band2; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.384 S/m; ε_r = 40.017; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.26, 8.26, 8.26); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch18900/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.255 W/kg

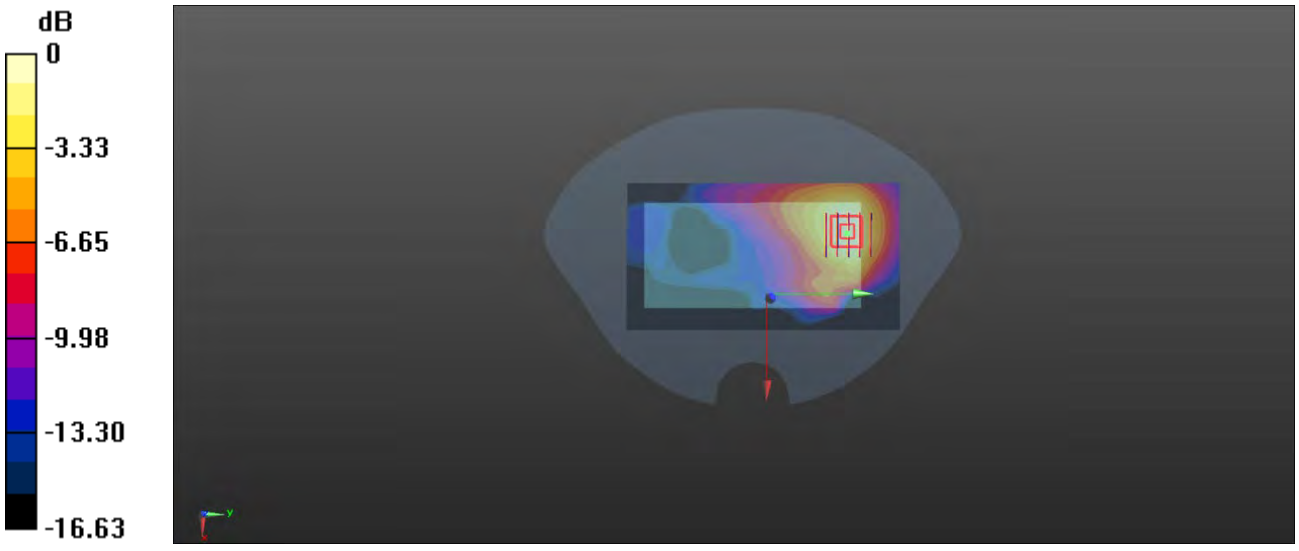
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.254 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.382 W/kg

SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.136 W/kg

Maximum value of SAR (measured) = 0.249 W/kg



0 dB = 0.249 W/kg

MEAS.18 Body Plane with Right Edge 10mm on High Channel in LTE Band2 mode with Antenna Up

Date: 2021.02.04

Communication System Band: Band2; Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.378 S/m; ε_r = 39.984; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.26, 8.26, 8.26); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch19100/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.02 W/kg

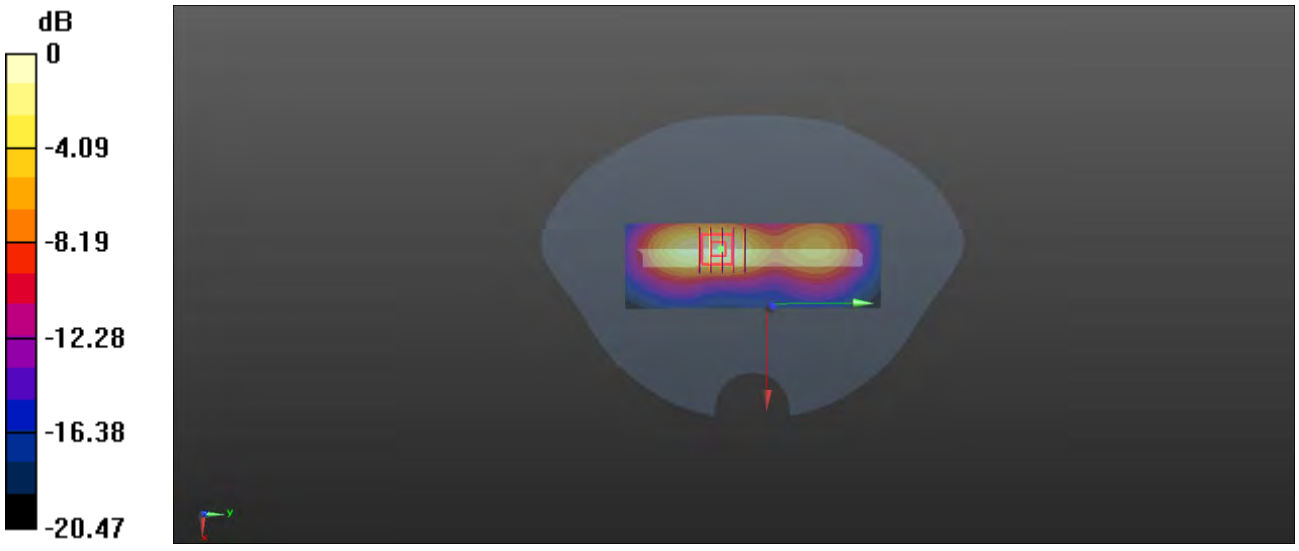
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.59 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.456 W/kg

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg

MEAS.19 Left Head with Cheek on Middle Channel in LTE Band4 mode with Antenna Up

Date: 2021.02.05

Communication System Band: Band4; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.37 S/m; ε_r = 40.176; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.58, 8.58, 8.58); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch 20175/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.735 W/kg

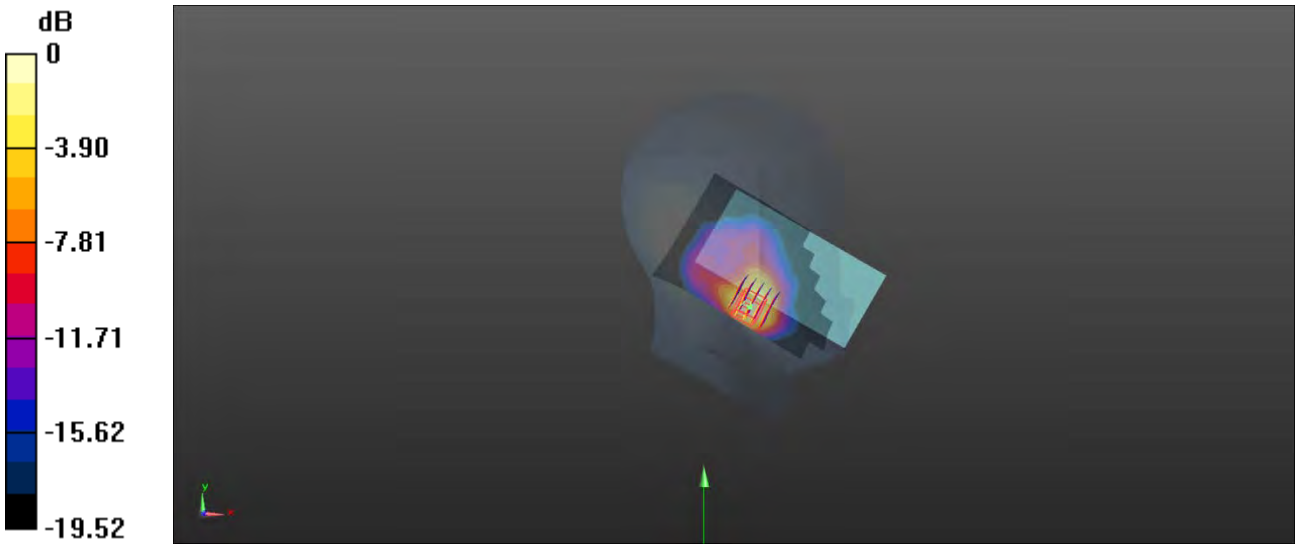
Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.525 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.314 W/kg

Maximum value of SAR (measured) = 0.715 W/kg



0 dB = 0.715 W/kg

MEAS.20 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna Down

Date: 2021.02.05

Communication System Band: Band4; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.37 S/m; ε_r = 40.176; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.58, 8.58, 8.58); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.264 W/kg

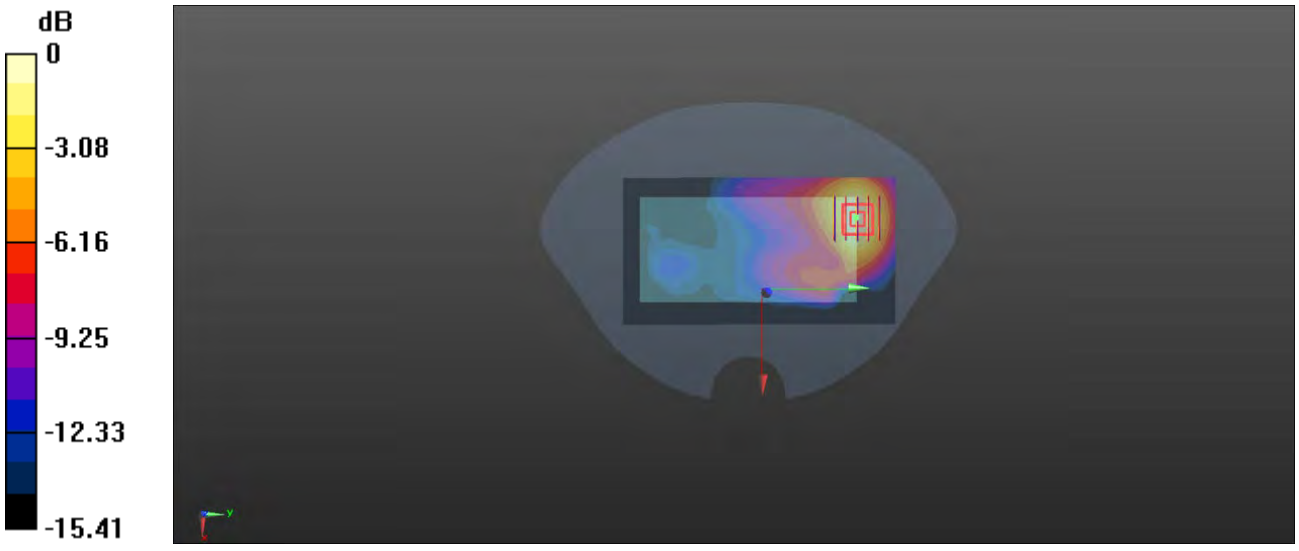
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.314 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 0.265 W/kg



0 dB = 0.265 W/kg

MEAS.21 Body Plane with Bottom Edge 10mm on High Channel in LTE Band4 mode with Antenna Down

Date: 2021.02.05

Communication System Band: Band4; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.379 S/m; ε_r = 40.054; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.58, 8.58, 8.58); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20300/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.962 W/kg

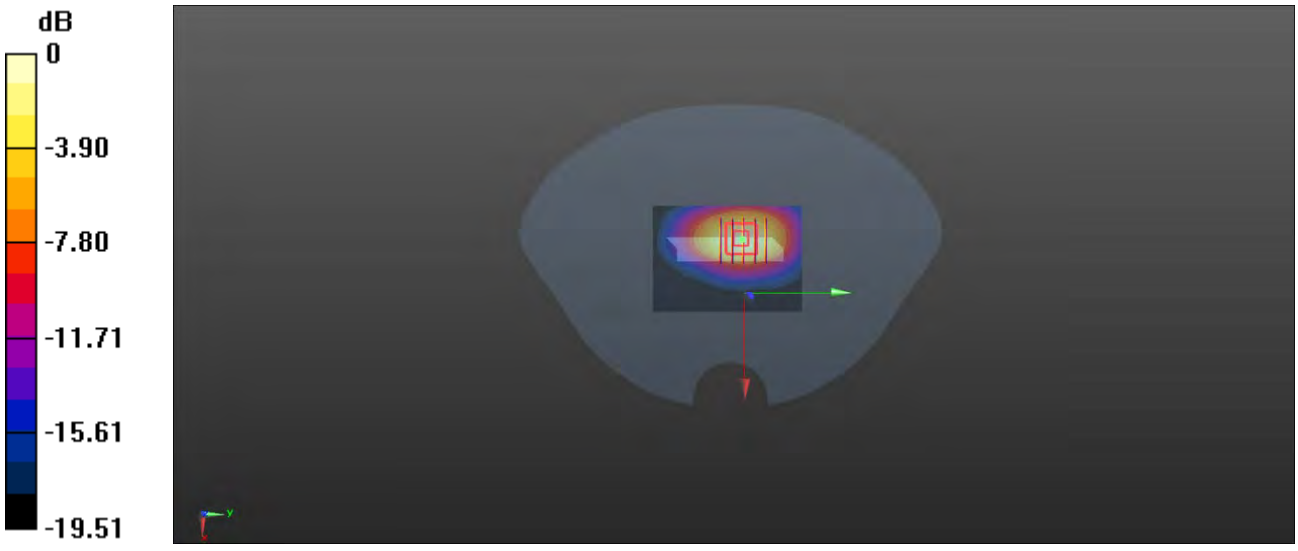
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.01 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.832 W/kg; SAR(10 g) = 0.447 W/kg

Maximum value of SAR (measured) = 0.934 W/kg



0 dB = 0.934 W/kg

MEAS.22 Right Head with Cheek on High Channel in LTE Band5 mode with Antenna Up

Date: 2021.01.29

Communication System Band: Band5; Frequency: 844 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 844 MHz; σ = 0.925 S/m; ε_r = 41.101; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch 20600/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.822 W/kg

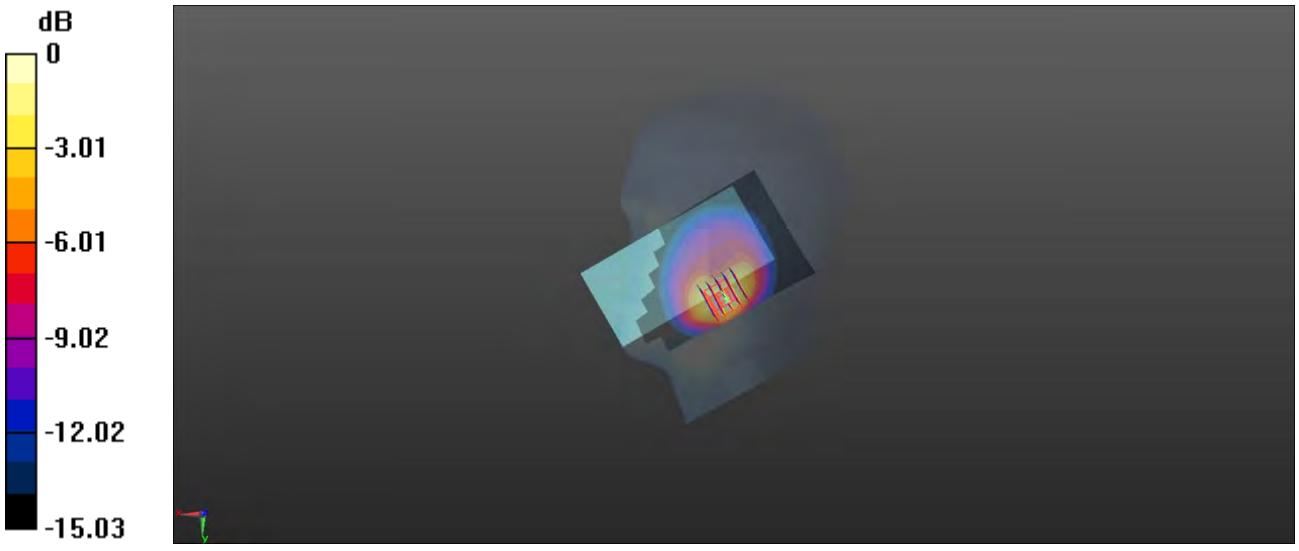
Ch 20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.038 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.823 W/kg; SAR(10 g) = 0.426 W/kg

Maximum value of SAR (measured) = 0.838 W/kg



0 dB = 0.838 W/kg

MEAS.23 Body Plane with Back Side 15mm on High Channel in LTE Band5 mode with Antenna Up

Date: 2021.01.29

Communication System Band: Band5; Frequency: 844 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 844 MHz; σ = 0.925 S/m; ε_r = 41.101; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20600/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.292 W/kg

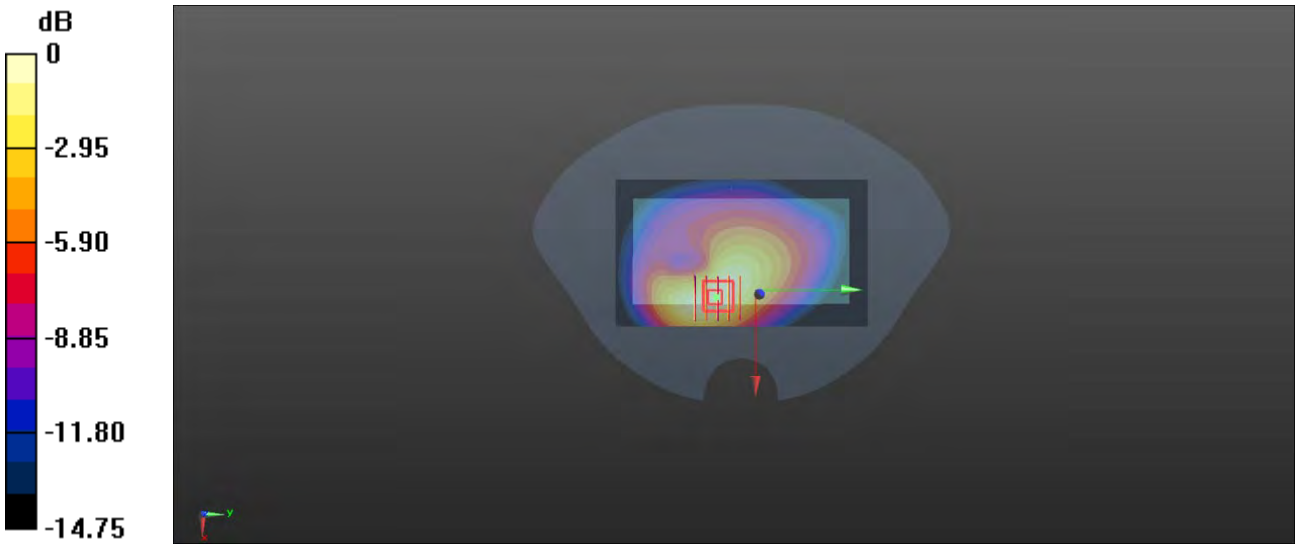
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.85 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.422 W/kg

SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.174 W/kg.

Maximum value of SAR (measured) = 0.299 W/kg



0 dB = 0.299 W/kg

MEAS.24 Body Plane with Left Edge 10mm on High Channel in LTE Band5 mode with Antenna Up

Date: 2021.01.29

Communication System Band: Band5; Frequency: 844 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 844 MHz; σ = 0.925 S/m; ε_r = 41.101; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch2600/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.703 W/kg

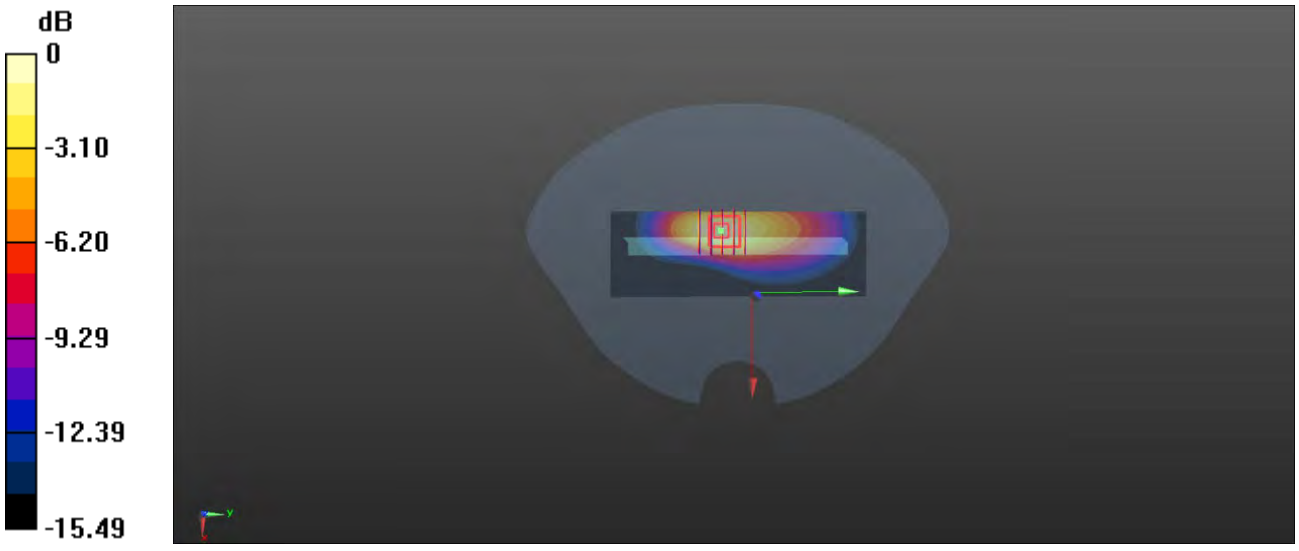
Ch2600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.49 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.339 W/kg

Maximum value of SAR (measured) = 0.693 W/kg



0 dB = 0.693 W/kg

MEAS.25 Left Head with Cheek on Middle Channel in LTE Band7 mode with Antenna Up

Date: 2021.01.27

Communication System Band: Band7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 1.897 S/m; ε_r = 38.213; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.504 W/kg

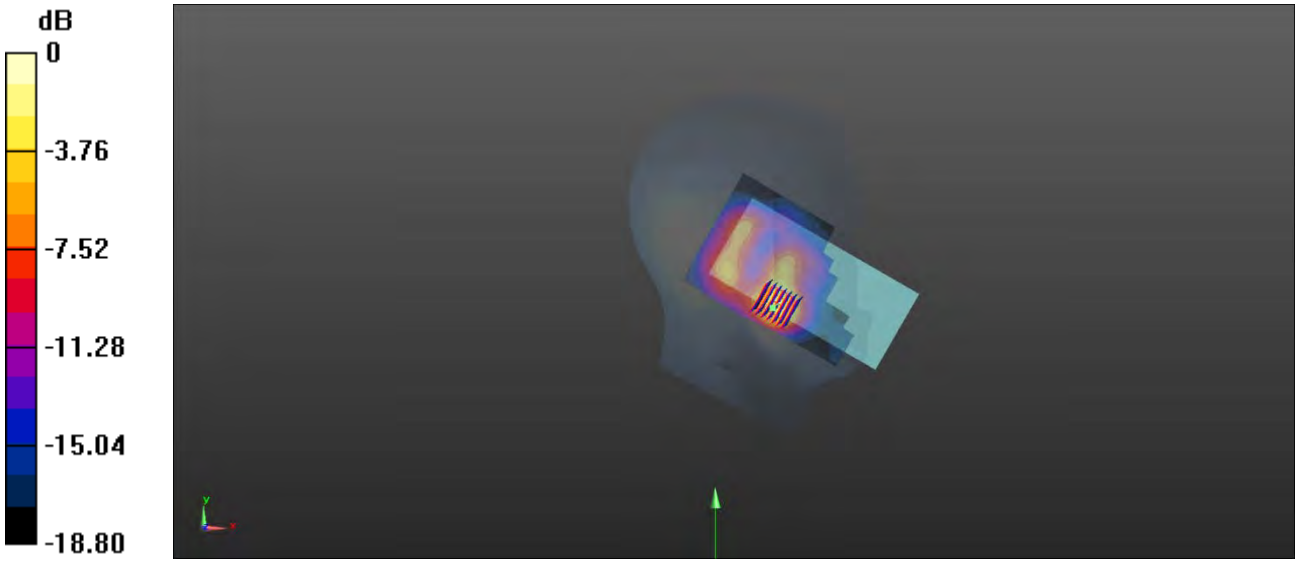
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.125 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.512 W/kg



0 dB = 0.512 W/kg

MEAS.26 Body Plane with Back Side 15mm on Middle Channel in LTE Band7 mode with Antenna Down

Date: 2021.01.27

Communication System Band: Band7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 1.897 S/m; ε_r = 38.213; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.388 W/kg

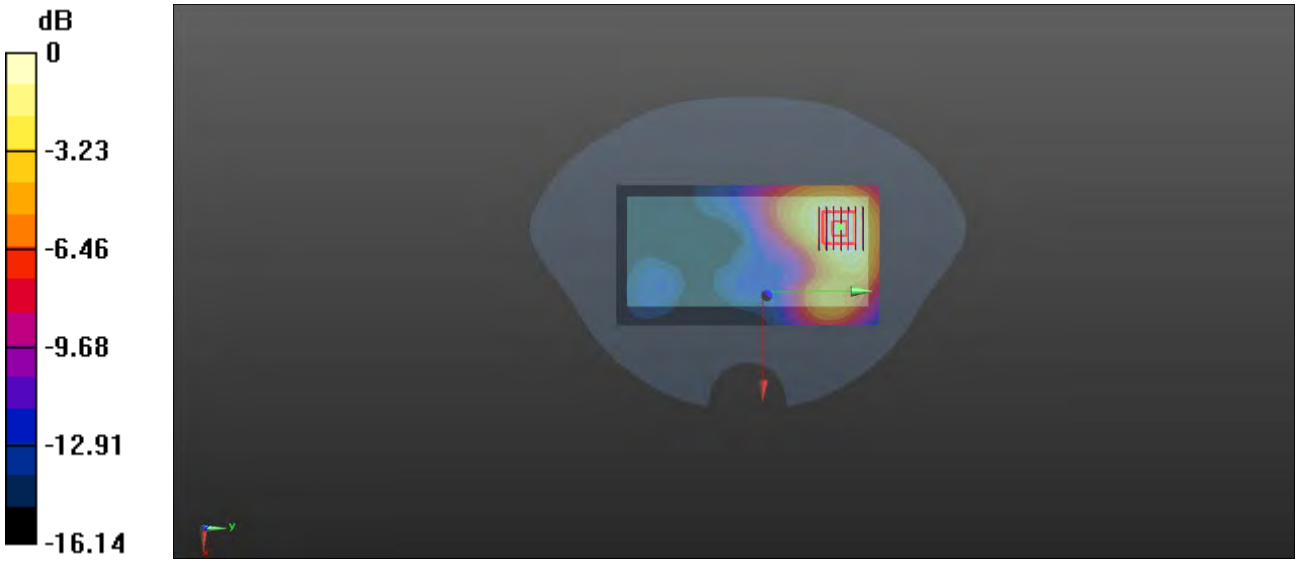
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.872 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.656 W/kg

SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.199 W/kg

Maximum value of SAR (measured) = 0.389 W/kg



0 dB = 0.389 W/kg

MEAS.27 Body Plane with Back Side 10mm on Middle Channel in LTE Band7 mode with Antenna Down

Date: 2021.01.27

Communication System Band: Band7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 1.897 S/m; ε_r = 38.213; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.680 W/kg

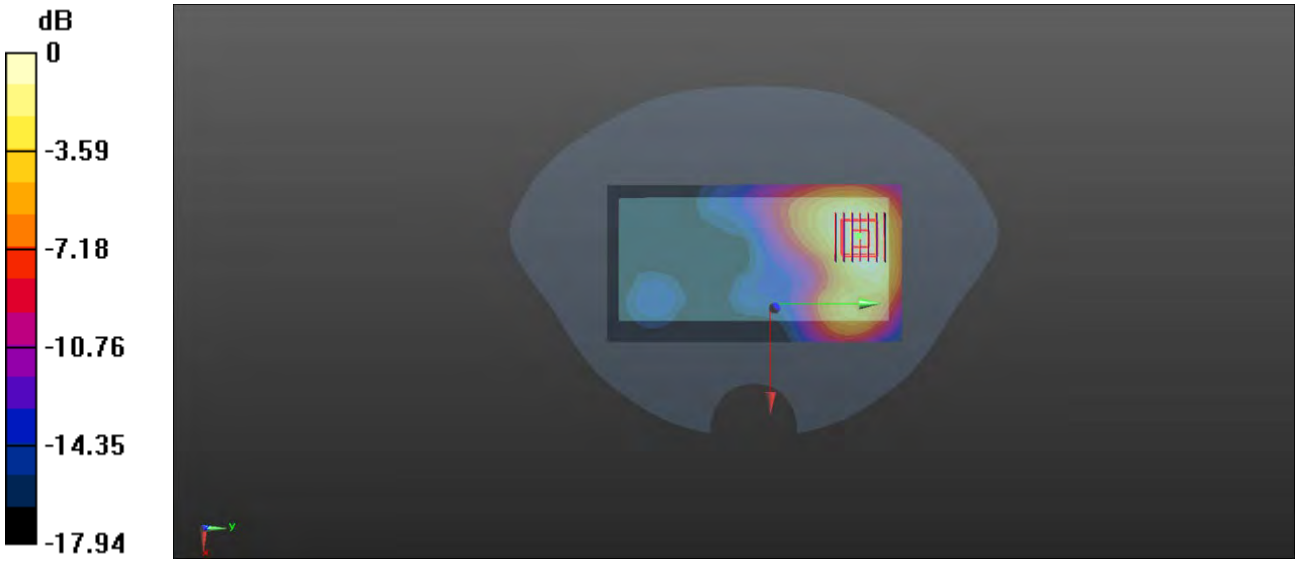
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.009 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.337 W/kg

Maximum value of SAR (measured) = 0.672 W/kg



0 dB = 0.672 W/kg

MEAS.28 Right Head with Cheek on High Channel in LTE Band12 mode with Antenna Up

Date: 2021.01.27

Communication System Band: Band12; Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 711 MHz; σ = 0.901 S/m; ε_r = 43.005; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.84, 10.84, 10.84); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch 23130/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.348 W/kg

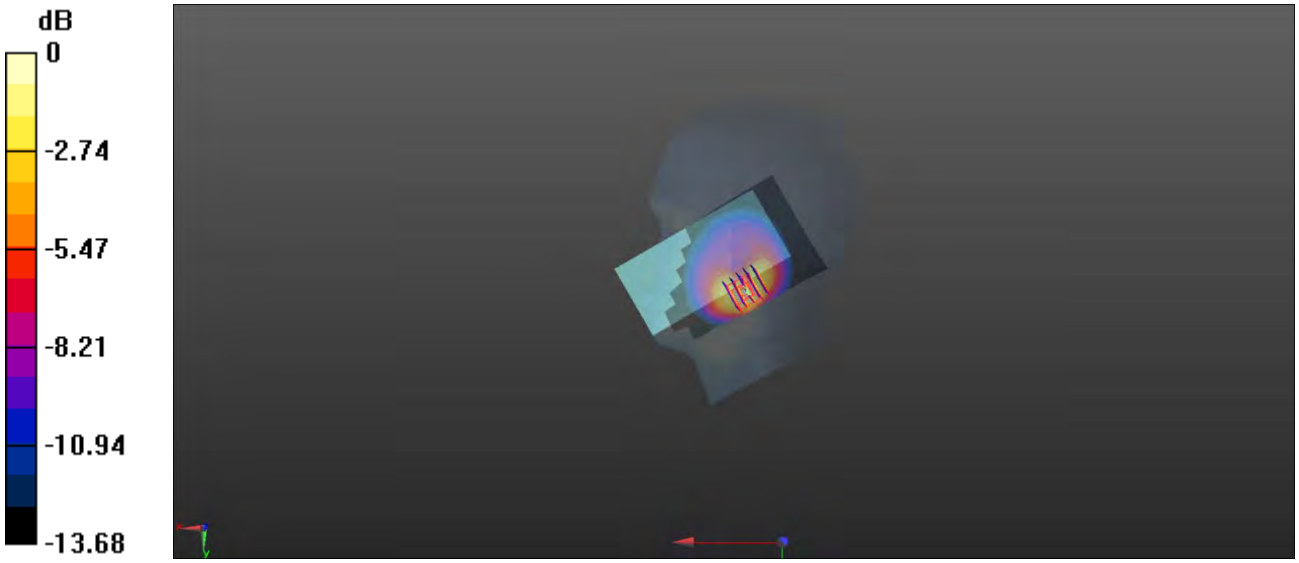
Ch 23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.029 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.765 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.361 W/kg



0 dB = 0.361 W/kg

MEAS.29 Body Plane with Back Side 15mm on High Channel in LTE Band12 mode with Antenna Down

Date: 2021.01.27

Communication System Band: Band12; Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 711 MHz; σ = 0.901 S/m; ε_r = 43.005; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.84, 10.84, 10.84); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.183 W/kg

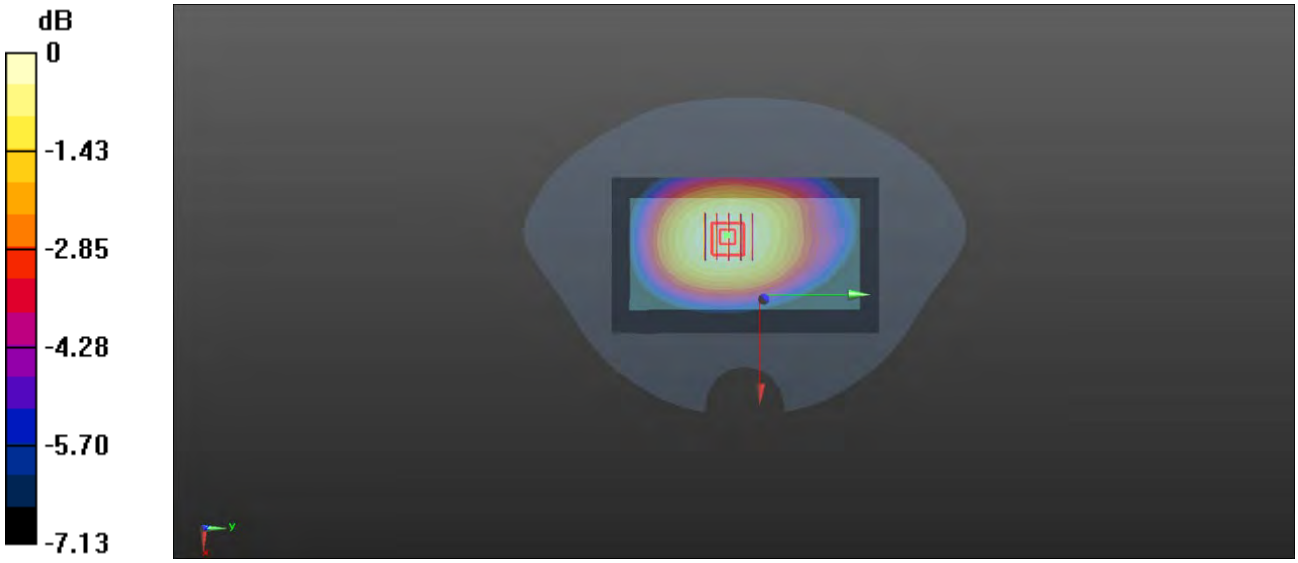
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.86 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.210 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.182 W/kg



0 dB = 0.182 W/kg

MEAS.30 Body Plane with Left Edge 10mm on High Channel in LTE Band12 mode with Antenna Up

Date: 2021.01.27

Communication System Band: Band12; Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used: f = 711 MHz; σ = 0.901 S/m; ε_r = 43.005; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.84, 10.84, 10.84); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.374 W/kg

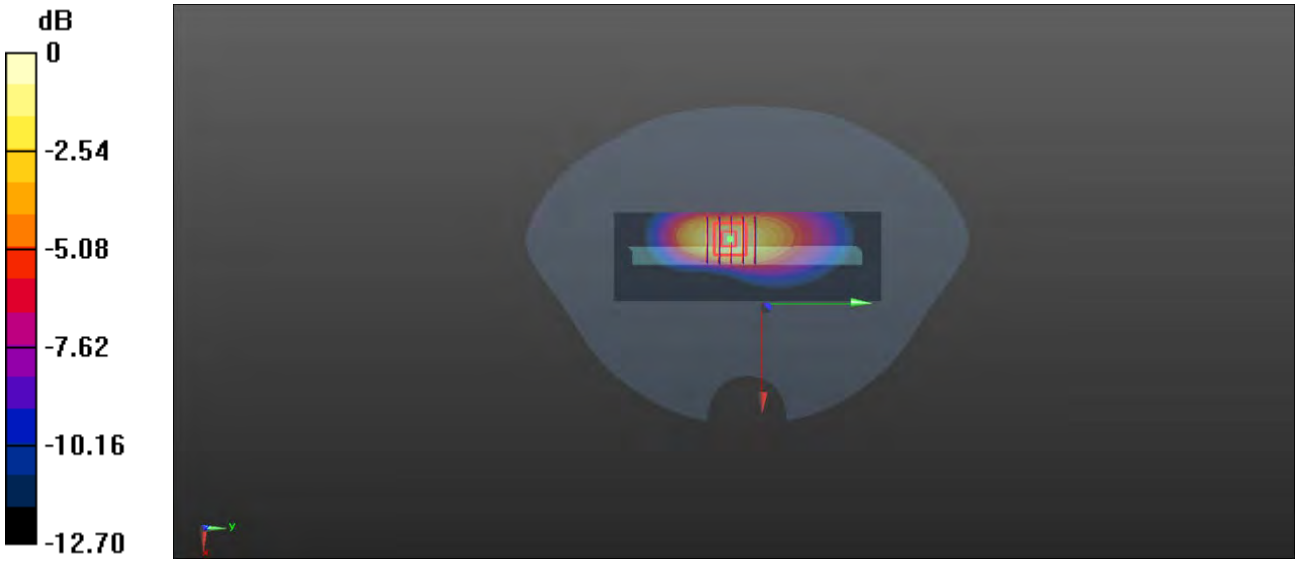
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.16 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.561 W/kg

SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 0.377 W/kg



0 dB = 0.377 W/kg

MEAS.31 Right Head with Cheek on Middle Channel in LTE Band17 mode with Antenna Up

Date: 2021.01.28

Communication System Band: Band17; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 710 MHz; σ = 0.905 S/m; ε_r = 41.591; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.84, 10.84, 10.84); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch 23790/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.392 W/kg

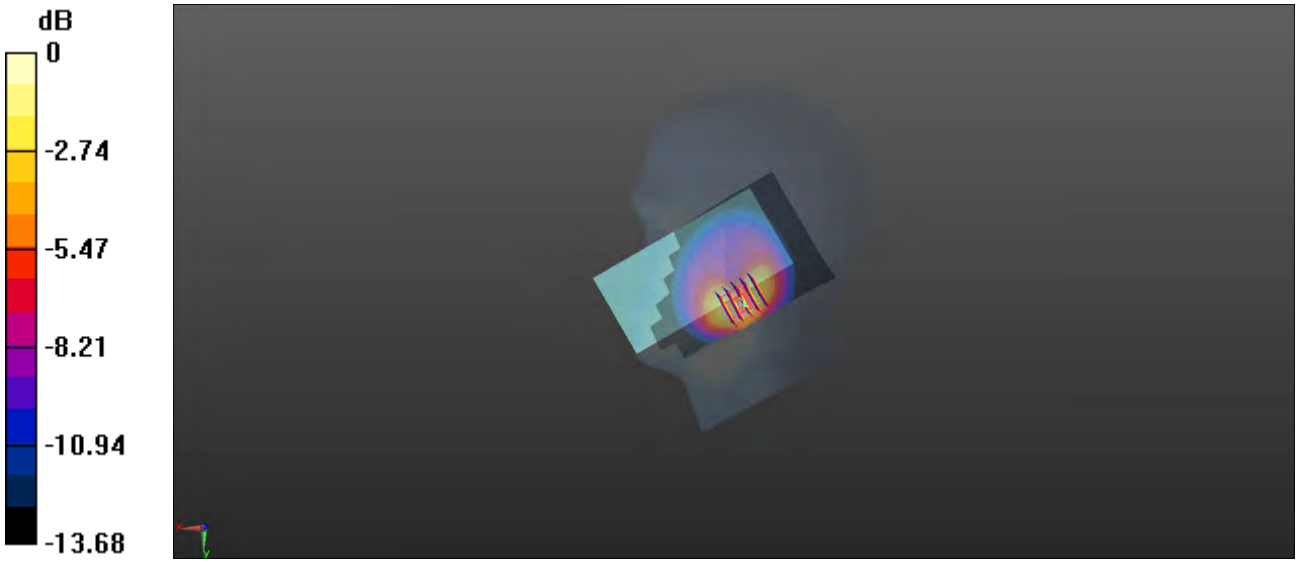
Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.523 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.858 W/kg

SAR(1 g) = 0.409 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.406 W/kg



0 dB = 0.406 W/kg

MEAS.32 Body Plane with Back Side 15mm on Middle Channel in LTE Band17 mode with Antenna Down

Date: 2021.01.28

Communication System Band: Band17; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 710 MHz; σ = 0.905 S/m; ε_r = 41.591; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.84, 10.84, 10.84); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23790/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.178 W/kg

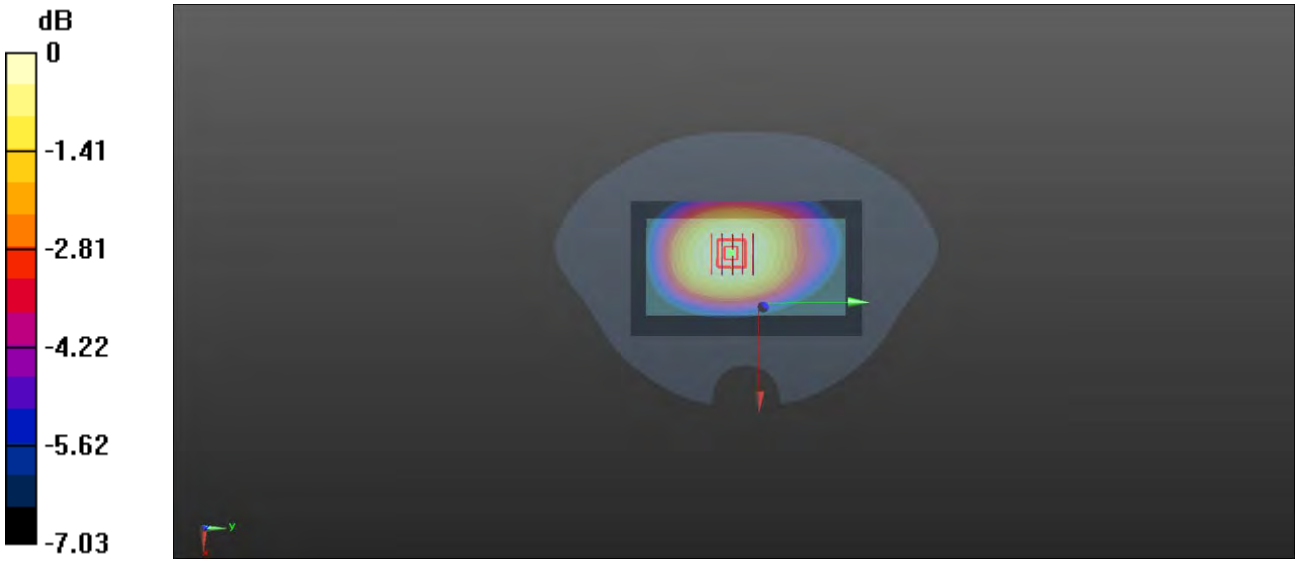
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.68 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.205 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.135 W/kg

Maximum value of SAR (measured) = 0.178 W/kg



0 dB = 0.178 W/kg

MEAS.33 Body Plane with Left Edge 10mm on Middle Channel in LTE Band17 mode with Antenna Up

Date: 2021.01.28

Communication System Band: Band17; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 710 MHz; σ = 0.905 S/m; ε_r = 41.591; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.84, 10.84, 10.84); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23790/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.357 W/kg

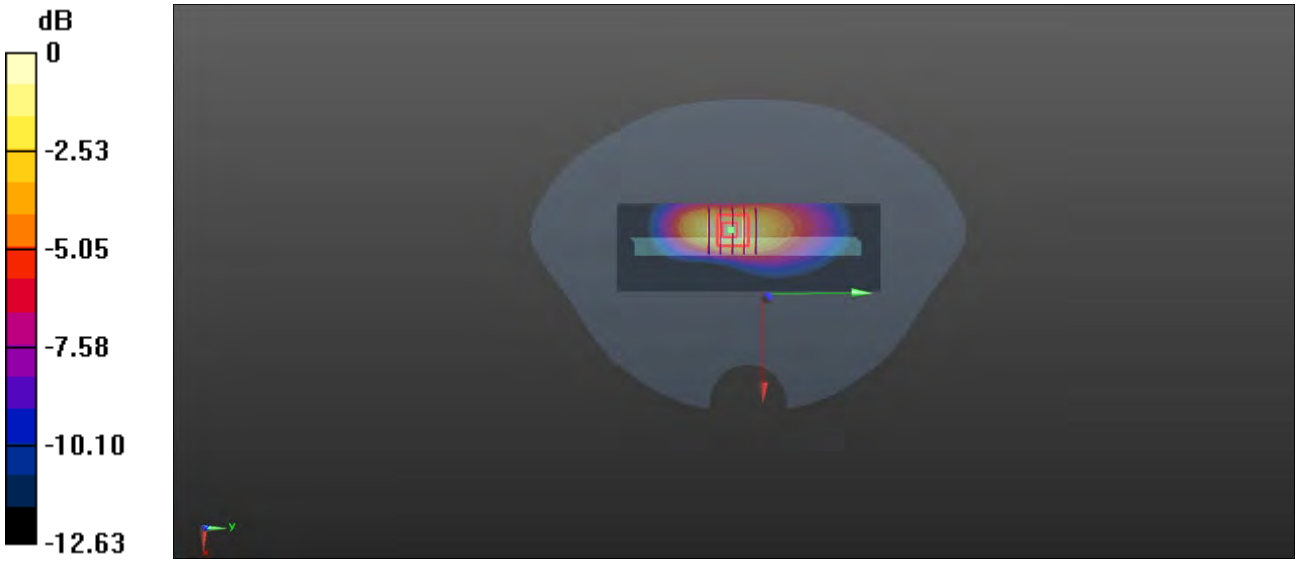
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.07 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.536 W/kg

SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.190 W/kg

Maximum value of SAR (measured) = 0.362 W/kg



0 dB = 0.362 W/kg

MEAS.34 Right Head with Cheek on High Channel in LTE Band26 mode with Antenna Up

Date: 2021.01.31

Communication System Band: Band26; Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 841.5 MHz; σ = 0.925 S/m; ε_r = 41.837; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch 26965/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.761 W/kg

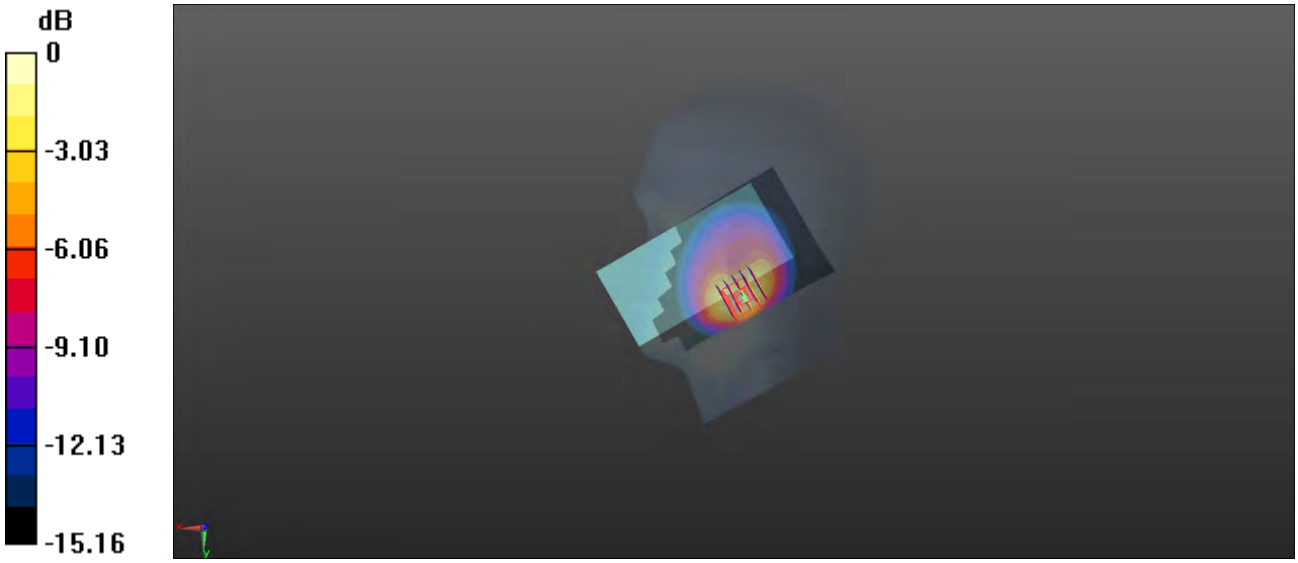
Ch 26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.816 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.792 W/kg; SAR(10 g) = 0.409 W/kg

Maximum value of SAR (measured) = 0.806 W/kg



0 dB = 0.806 W/kg

MEAS.35 Body Plane with Back Side 15mm on High Channel in LTE Band26 mode with Antenna Down

Date: 2021.01.31

Communication System Band: Band26; Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 841.5 MHz; σ = 0.925 S/m; ε_r = 41.837; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26965/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.175 W/kg

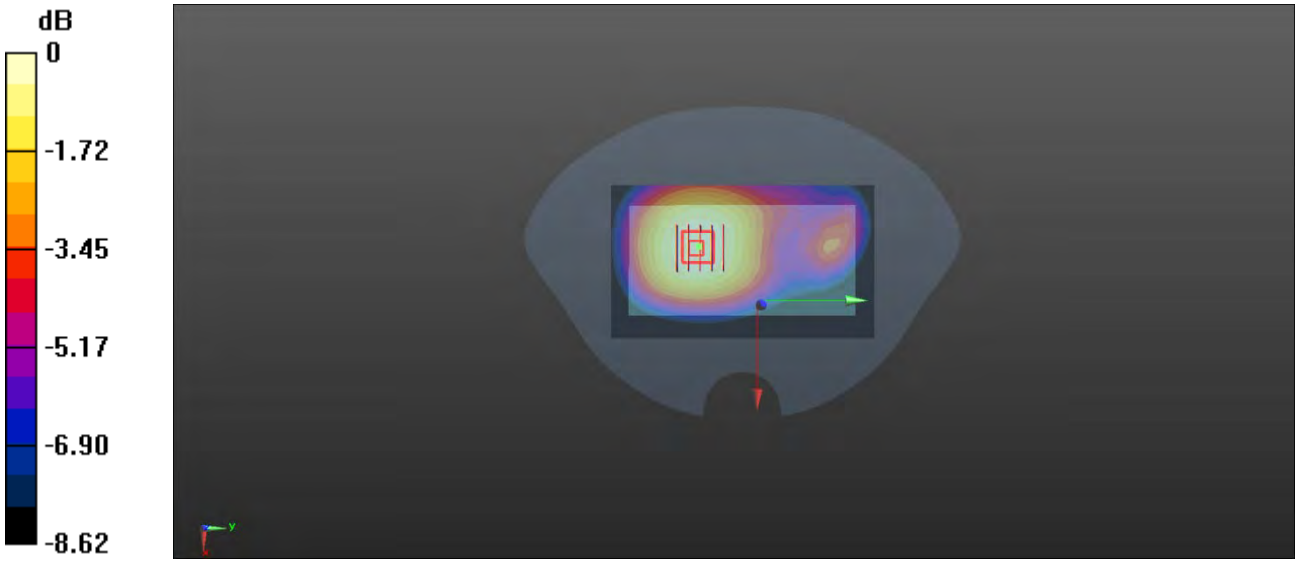
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.20 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.207 W/kg

SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.172 W/kg



0 dB = 0.172 W/kg

MEAS.36 Body Plane with Left Edge 10mm on High Channel in LTE Band26 mode with Antenna Up

Date: 2021.01.31

Communication System Band: Band26; Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 841.5 MHz; σ = 0.925 S/m; ε_r = 41.837; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.49, 10.49, 10.49); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26965/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.695 W/kg

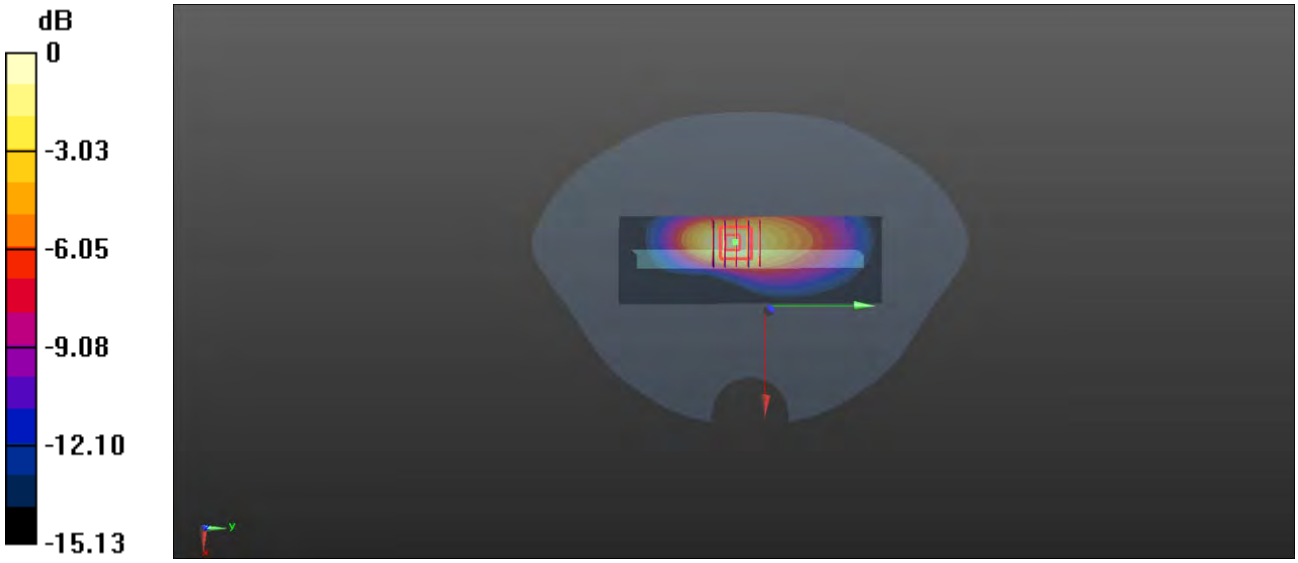
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.46 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.344 W/kg

Maximum value of SAR (measured) = 0.701 W/kg



0 dB = 0.701 W/kg

MEAS.37 Left Head with Cheek on Low Channel in LTE Band38 mode with Antenna Up

Date: 2021.01.28

Communication System Band: Band38; Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.887 S/m; ε_r = 38.928; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.666 W/kg

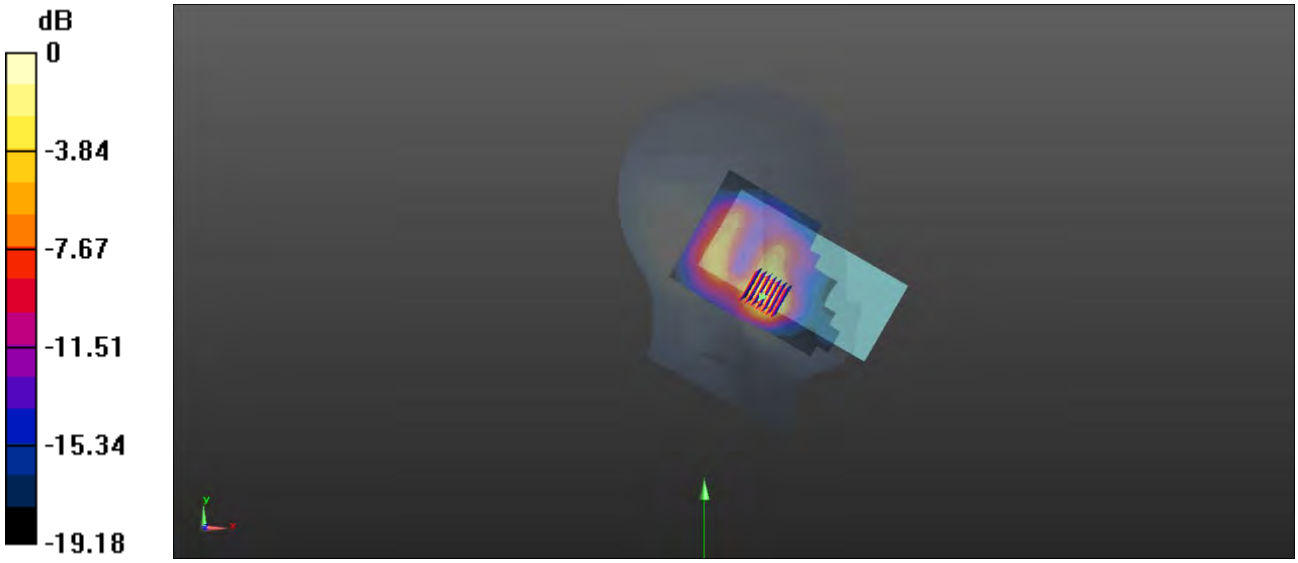
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.949 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.250 W/kg

Maximum value of SAR (measured) = 0.598 W/kg



0 dB = 0.598 W/kg

MEAS.38 Body Plane with Back Side 15mm on Low Channel in LTE Band38 mode with Antenna Down

Date: 2021.01.28

Communication System Band: Band38; Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.887 S/m; ε_r = 38.928; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.239 W/kg

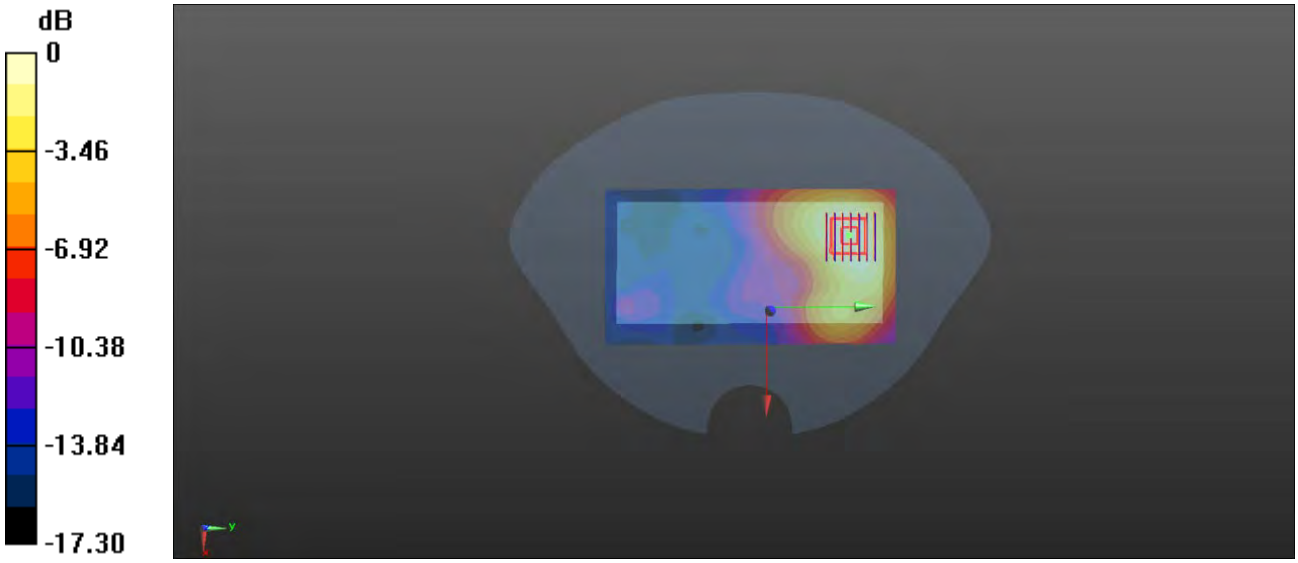
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.859 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.395 W/kg

SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 0.231 W/kg



0 dB = 0.231 W/kg

MEAS.39 Body Plane with Right Edge 10mm on Low Channel in LTE Band38 mode with Antenna Up

Date: 2021.01.28

Communication System Band: Band38; Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used: f = 2580 MHz; σ = 1.887 S/m; ε_r = 38.928; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (51x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.564 W/kg

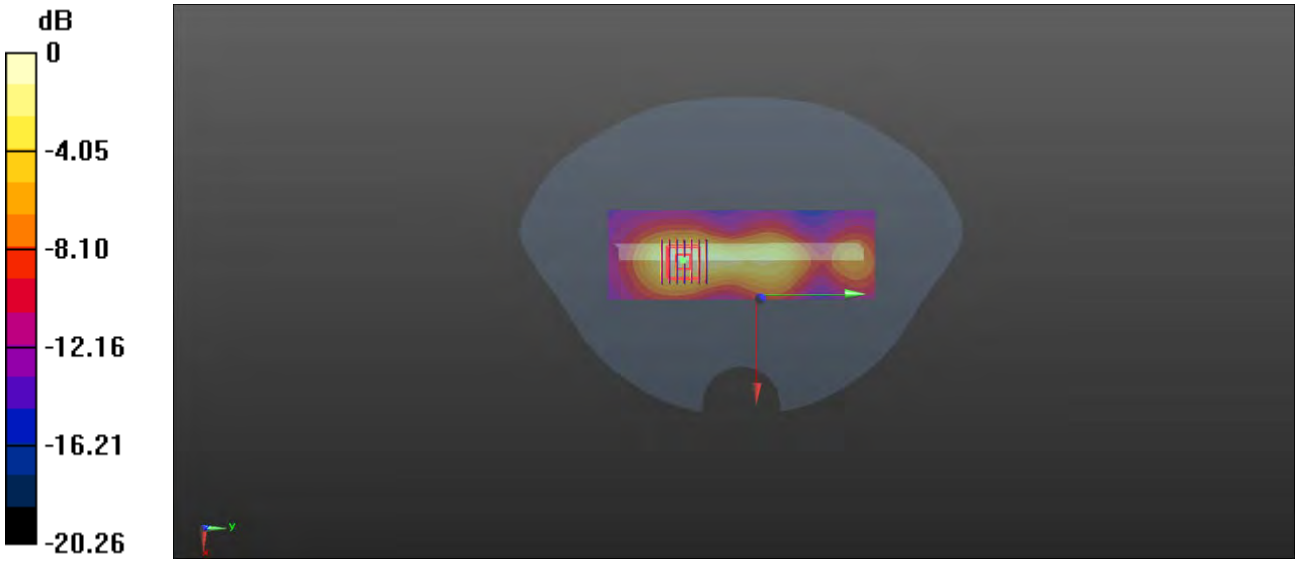
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.24 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.235 W/kg

Maximum value of SAR (measured) = 0.561 W/kg



0 dB = 0.561 W/kg

MEAS.40 Left Head with Cheek on Middle Channel in LTE Band41 mode with Antenna Up

Date: 2021.01.26

Communication System Band: Band41; Frequency: 2607.5 MHz;Duty Cycle: 1:1.58

Medium parameters used (extrapolated): f = 2607.5 MHz; σ = 1.995 S/m; ε_r = 37.966; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40765/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.501 W/kg

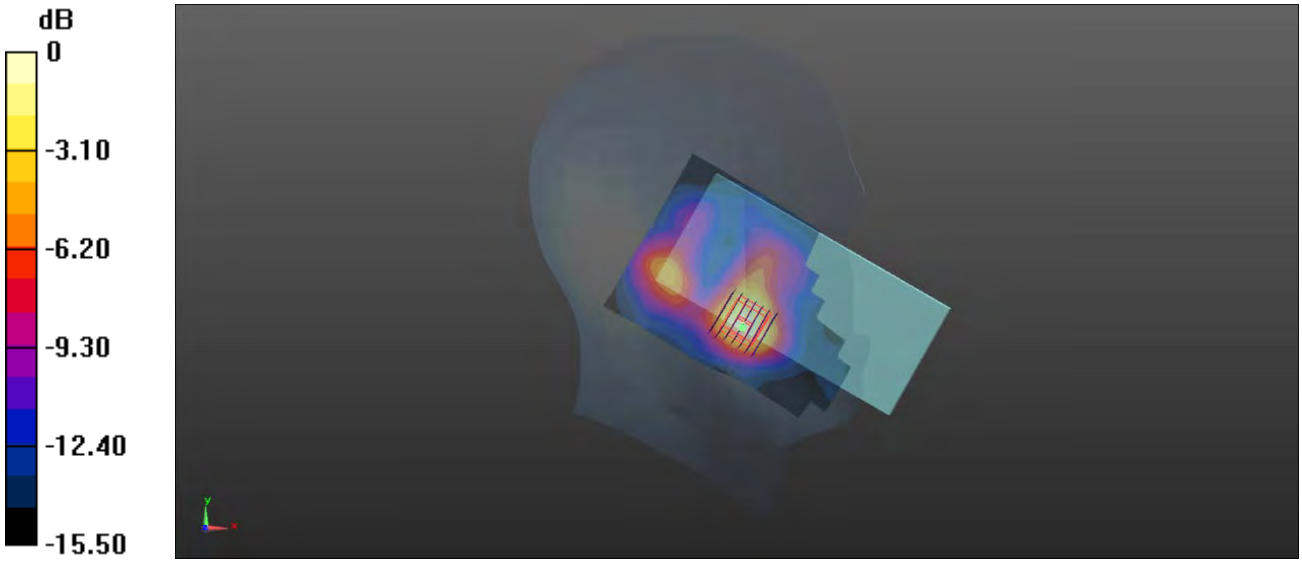
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.636 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.894 W/kg

SAR(1 g) = 0.381 W/kg; SAR(10 g) = 0.180 W/kg

Maximum value of SAR (measured) = 0.431 W/kg



0 dB = 0.431 W/kg

MEAS.41 Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna Down

Date: 2021.01.26

Communication System Band: Band41; Frequency: 2607.5 MHz;Duty Cycle: 1:1.58

Medium parameters used (extrapolated): f = 2607.5 MHz; σ = 1.995 S/m; ε_r = 37.966; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40765/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.388 W/kg

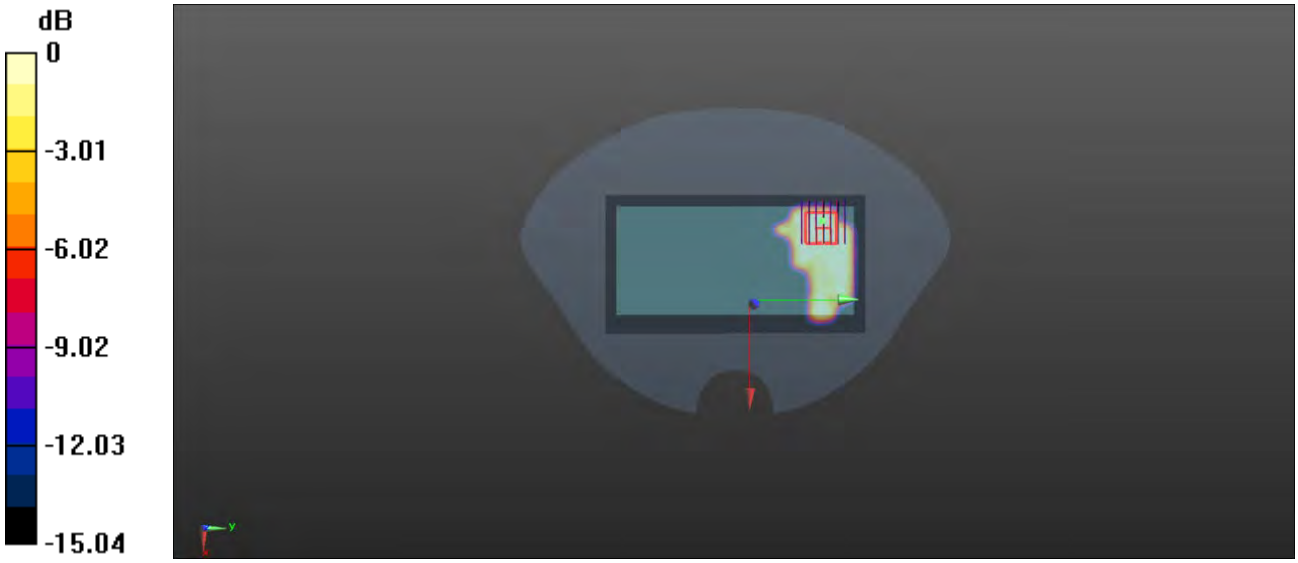
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.562 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.460 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.121 W/kg

Maximum value of SAR (measured) = 0.261 W/kg



0 dB = 0.261 W/kg

MEAS.42 Body Plane with Right Edge 10mm on Middle Channel in LTE Band41 mode with Antenna Up

Date: 2021.01.26

Communication System Band: Band41; Frequency: 2607.5 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2607.5 MHz; σ = 1.995 S/m; ε_r = 37.966; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40765/Area Scan (51x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.582 W/kg

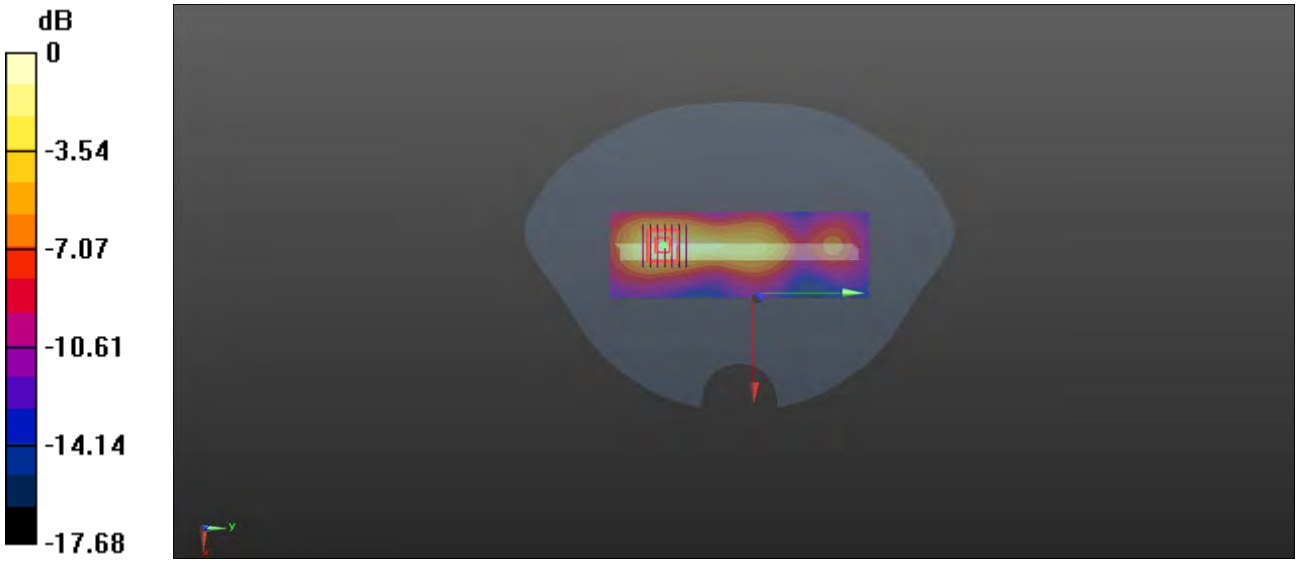
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.70 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.512 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.575 W/kg



0 dB = 0.575 W/kg

MEAS.43 Left Head with Cheek on Middle Channel in IEEE802.11b mode

Date: 2021.01.29

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.015

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.736 S/m; ε_r = 39.007; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 6/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

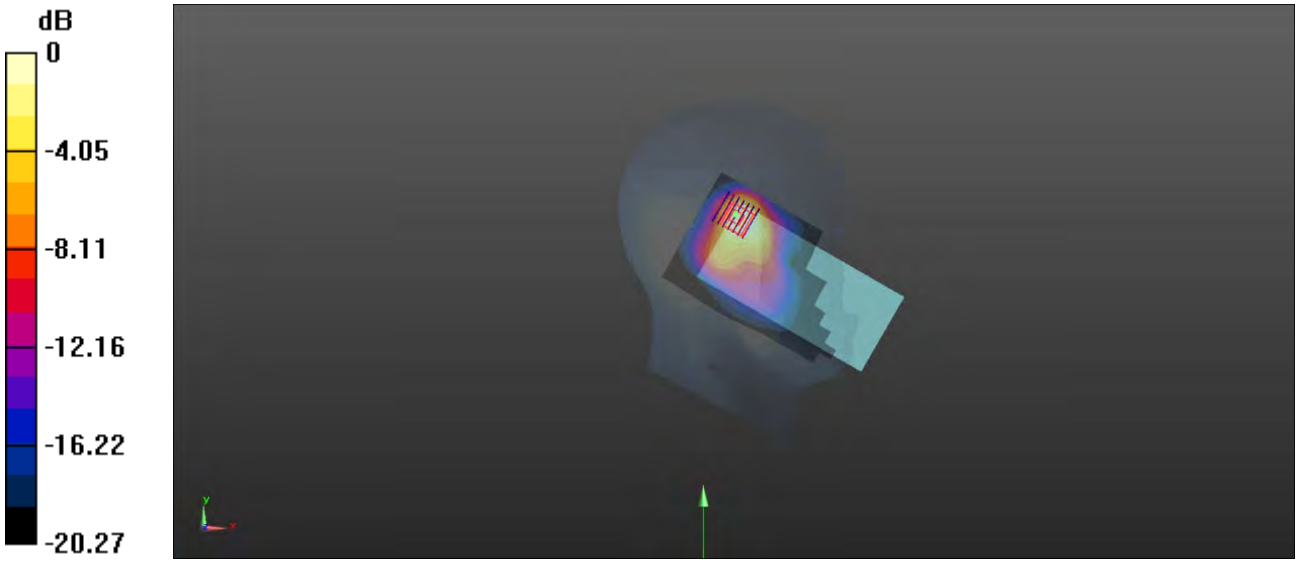
Ch 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.31 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.846 W/kg; SAR(10 g) = 0.413 W/kg

Maximum value of SAR (measured) = 0.956 W/kg



0 dB = 0.956 W/kg

MEAS.44 Body Plane with Back Side 15mm on Middle Channel in IEEE802.11b mode

Date: 2021.01.30

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.015

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.758 S/m; ε_r = 39.046; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 6/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.148 W/kg

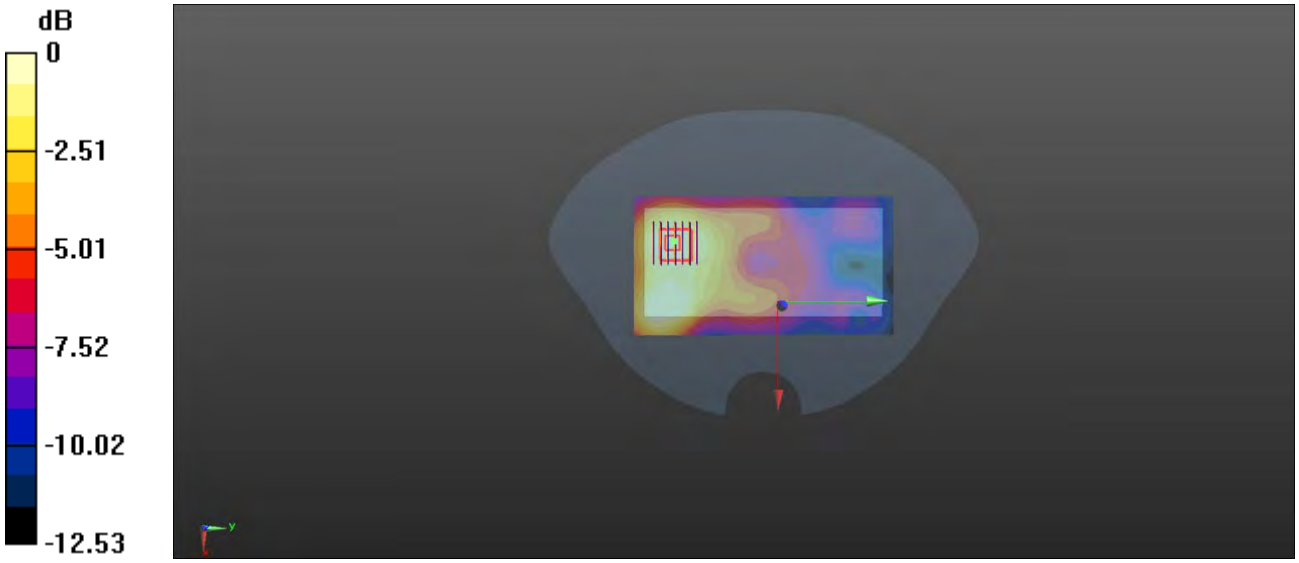
Ch 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.000 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.239 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.144 W/kg



0 dB = 0.144 W/kg

MEAS.45 Body Plane with Top Edge 10mm on Middle Channel in IEEE802.11b mode

Date: 2021.01.30

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.015

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.758 S/m; ε_r = 39.046; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 6/Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.386 W/kg

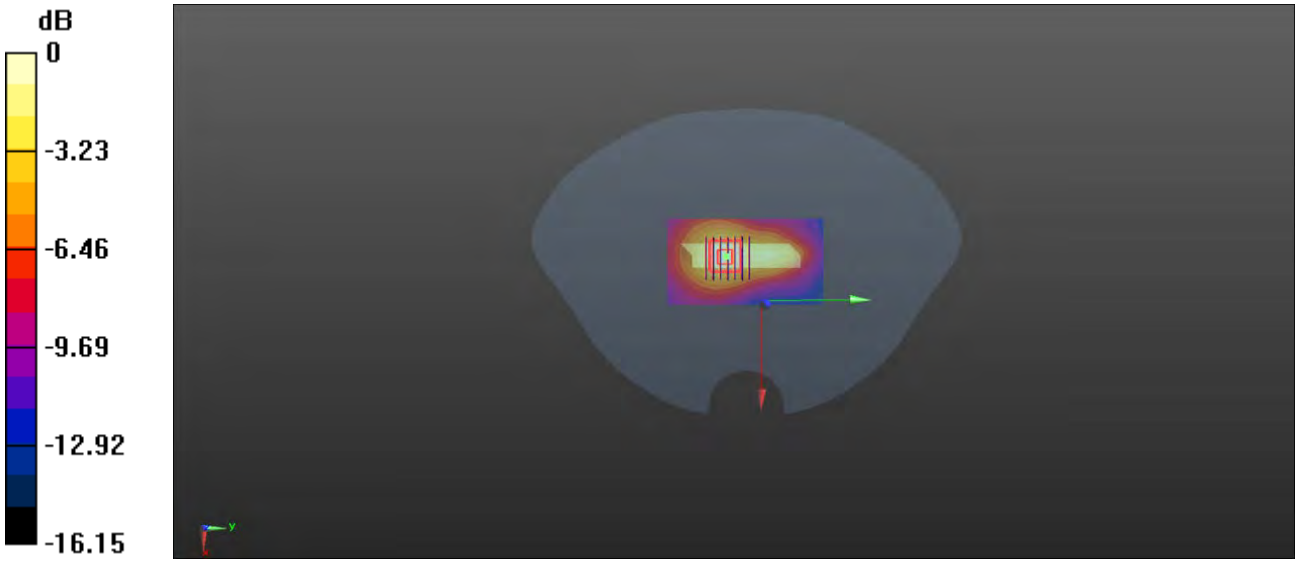
Ch 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.81 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.665 W/kg

SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.180 W/kg

Maximum value of SAR (measured) = 0.381 W/kg



0 dB = 0.381 W/kg

MEAS.46 Left Head with Cheek on 58 Channel in IEEE802.11ac VHT80 mode

Date: 2021.01.31

Communication System Band: WLAN(ac) 80MHz; Frequency: 5290 MHz;Duty Cycle: 1:1.075

Medium parameters used: f = 5290 MHz; σ = 4.776 S/m; ε_r = 36.52; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.587 W/kg

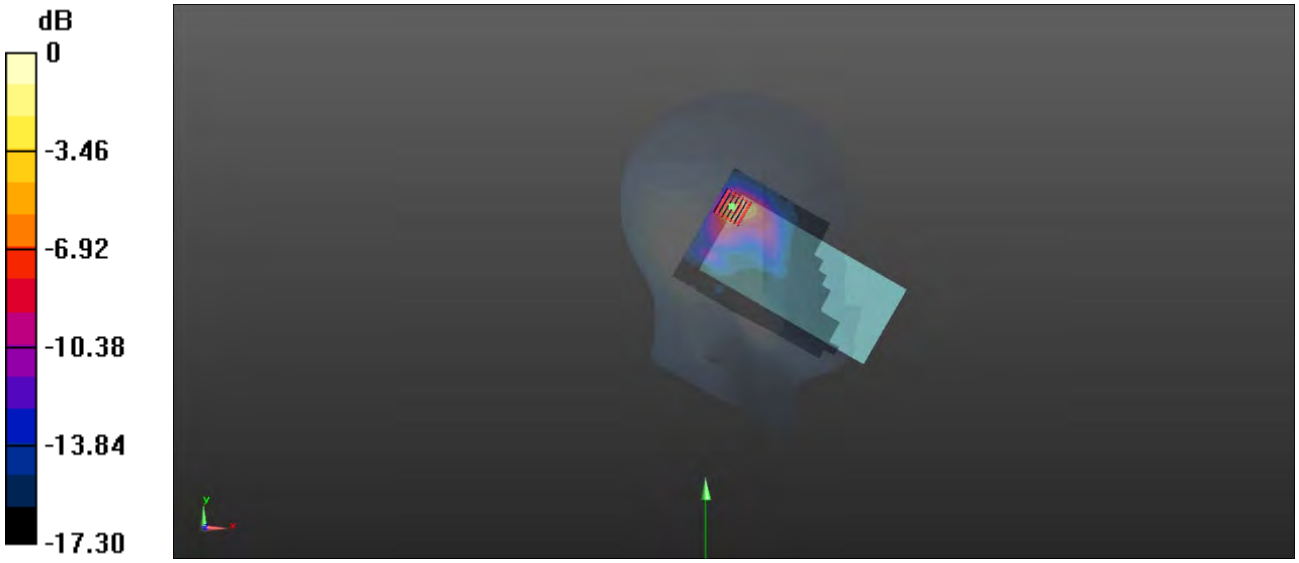
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.786 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.54 W/kg

SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg

MEAS.47 Left Head with Cheek on 138 Channel in IEEE802.11ac VHT80 mode

Date: 2021.02.01

Communication System Band: WLAN(ac) 80MHz; Frequency: 5690 MHz;Duty Cycle: 1:1.075

Medium parameters used: f = 5690 MHz; σ = 5.204 S/m; ε_r = 36.375; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.89, 4.89, 4.89); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch138/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.00 W/kg

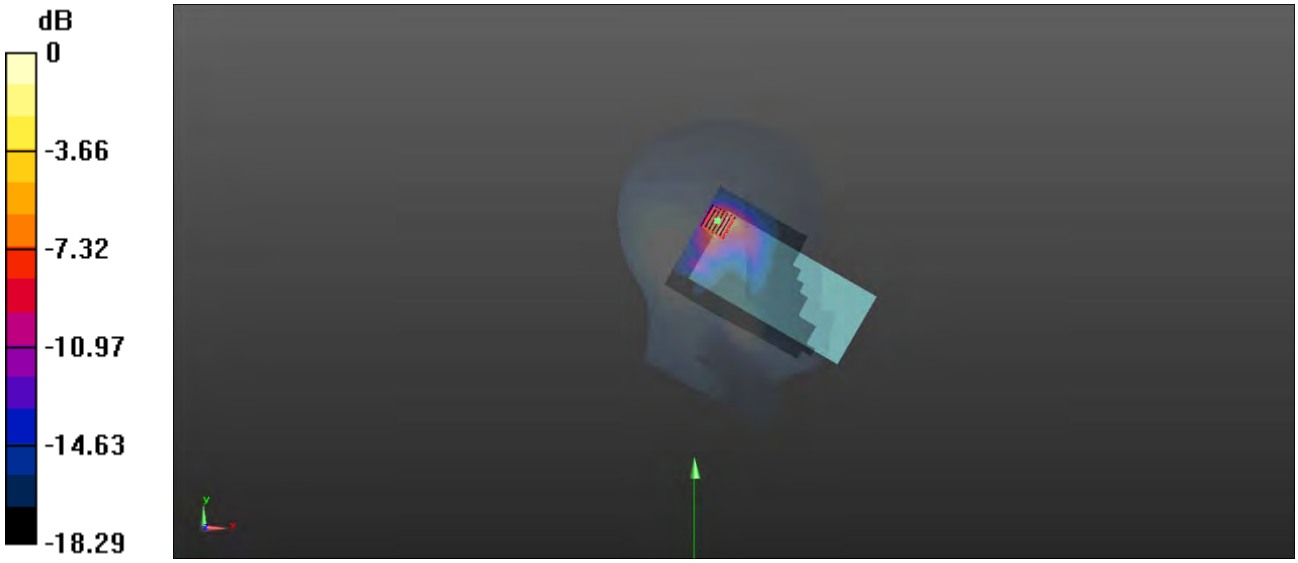
Ch138/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.927 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 4.22 W/kg

SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 1.87 W/kg



0 dB = 1.87 W/kg

MEAS.48 Left Head with Cheek on 155 Channel in IEEE802.11ac VHT80 mode

Date: 2021.02.02

Communication System Band: WLAN(ac) 80MHz; Frequency: 5775 MHz;Duty Cycle: 1:1.075

Medium parameters used: f = 5775 MHz; σ = 5.284 S/m; ε_r = 35.548; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.96, 4.96, 4.96); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.779 W/kg

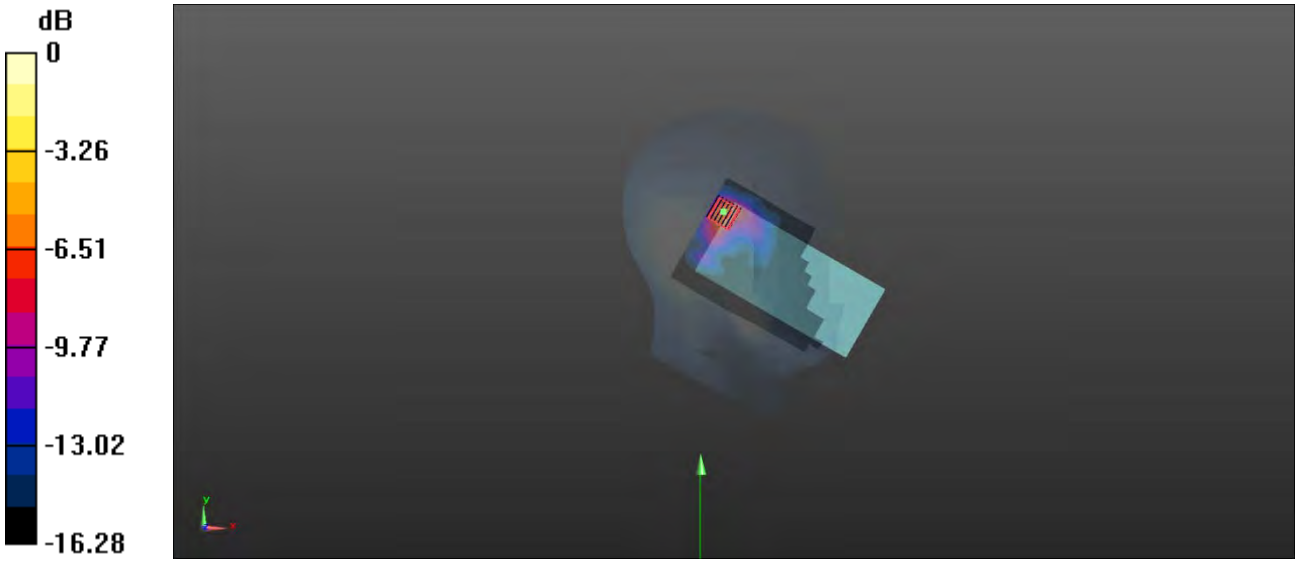
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.923 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.53 W/kg

SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.252 W/kg

Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg

MEAS.49 Body Plane with Back Side 15mm on 64 Channel in IEEE802.11a mode

Date: 2021.02.03

Communication System Band: WLAN(a); Frequency: 5320 MHz;Duty Cycle: 1:1.017

Medium parameters used: f = 5320 MHz; σ = 4.827 S/m; ε_r = 35.635; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch64/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.242 W/kg

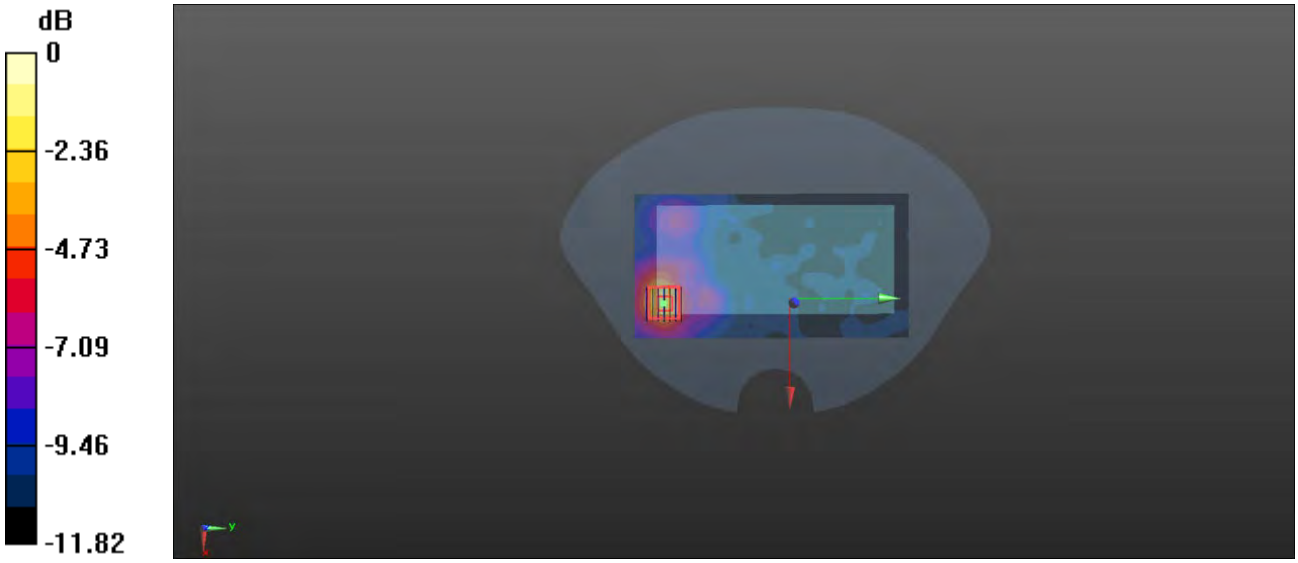
Ch64/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.915 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.783 W/kg

SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.411 W/kg



0 dB = 0.411 W/kg

MEAS.50 Body Plane with Back Side 15mm on 100 Channel in IEEE802.11a mode

Date: 2021.02.04

Communication System Band: WLAN(a); Frequency: 5500 MHz;Duty Cycle: 1:1.017

Medium parameters used: f = 5500 MHz; σ = 4.951 S/m; ε_r = 36.147; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.89, 4.89, 4.89); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch100/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.289 W/kg

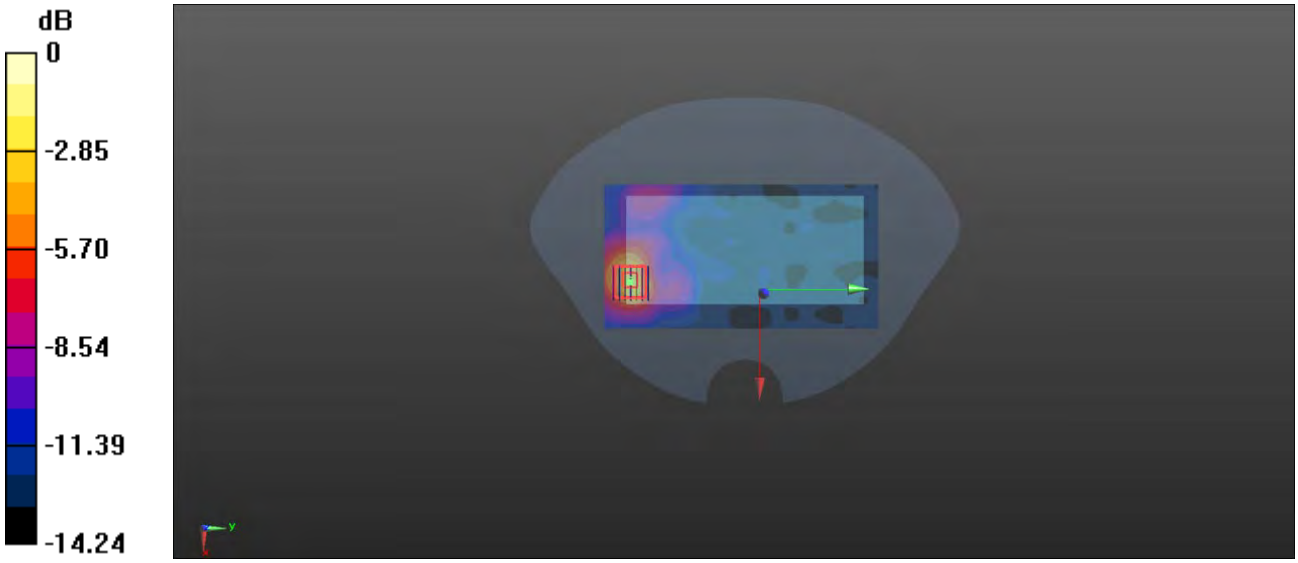
Ch100/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.021 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.980 W/kg

SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.511 W/kg



0 dB = 0.511 W/kg

MEAS.51 Body Plane with Back Side 15mm on 149 Channel in IEEE802.11a mode

Date: 2021.02.05

Communication System Band: WLAN(a); Frequency: 5745 MHz;Duty Cycle: 1:1.017

Medium parameters used: f = 5745 MHz; σ = 5.295 S/m; ε_r = 35.513; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.96, 4.96, 4.96); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.311 W/kg

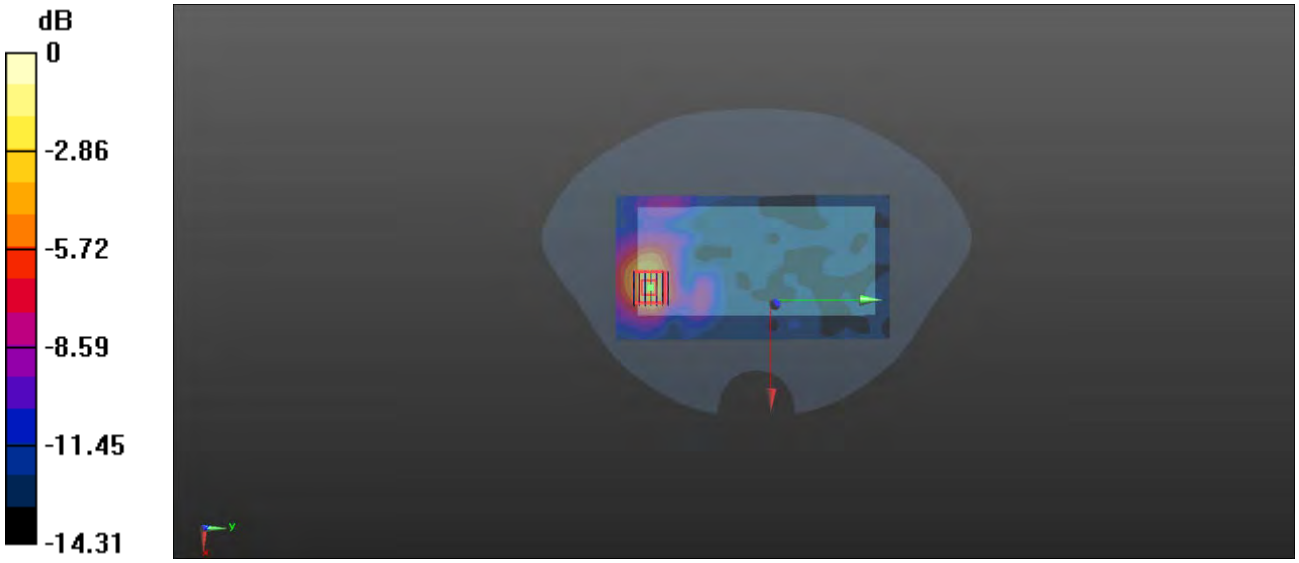
Ch149/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.355 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.150 W/kg

Maximum value of SAR (measured) = 0.594 W/kg



0 dB = 0.594 W/kg

MEAS.52 Body Plane with Top Edge 10mm on 42 Channel in IEEE802.11ac VHT80 mode

Date: 2021.02.03

Communication System Band: WLAN(ac) 80MHz; Frequency: 5210 MHz;Duty Cycle: 1:1.075

Medium parameters used: f = 5210 MHz; σ = 4.642 S/m; ε_r = 36.451; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch42/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.412 W/kg

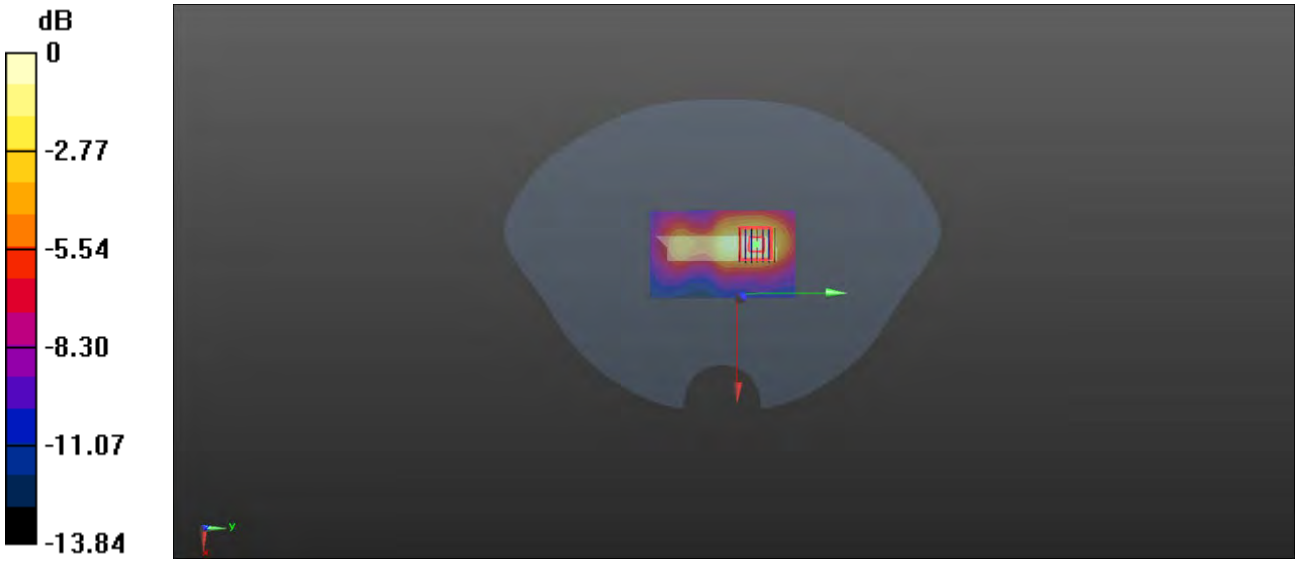
Ch42/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.135 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.839 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.106 W/kg

Maximum value of SAR (measured) = 0.431 W/kg



0 dB = 0.431 W/kg

MEAS.53 Body Plane with Top Edge 10mm on 155 Channel in IEEE802.11ac VHT80 mode

Date: 2021.02.05

Communication System Band: WLAN(ac) 80MHz; Frequency: 5775 MHz;Duty Cycle: 1:1.075

Medium parameters used: f = 5775 MHz; σ = 5.344 S/m; ε_r = 35.458; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.96, 4.96, 4.96); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.589 W/kg

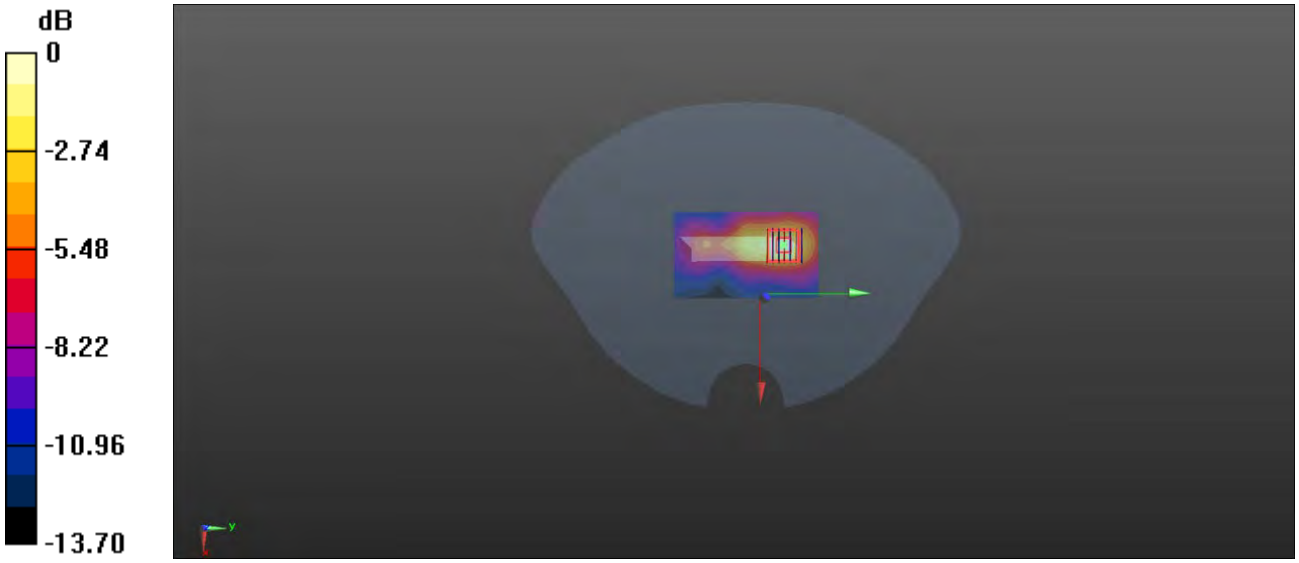
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.401 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.586 W/kg



0 dB = 0.586 W/kg

MEAS.54 Body Plane with Top Edge 0mm on 64 Channel in IEEE802.11a mode

Date: 2021.02.03

Communication System Band: WLAN(a); Frequency: 5320 MHz;Duty Cycle: 1:1.017

Medium parameters used: f = 5320 MHz; σ = 4.827 S/m; ε_r = 35.635; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch64/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.19 W/kg

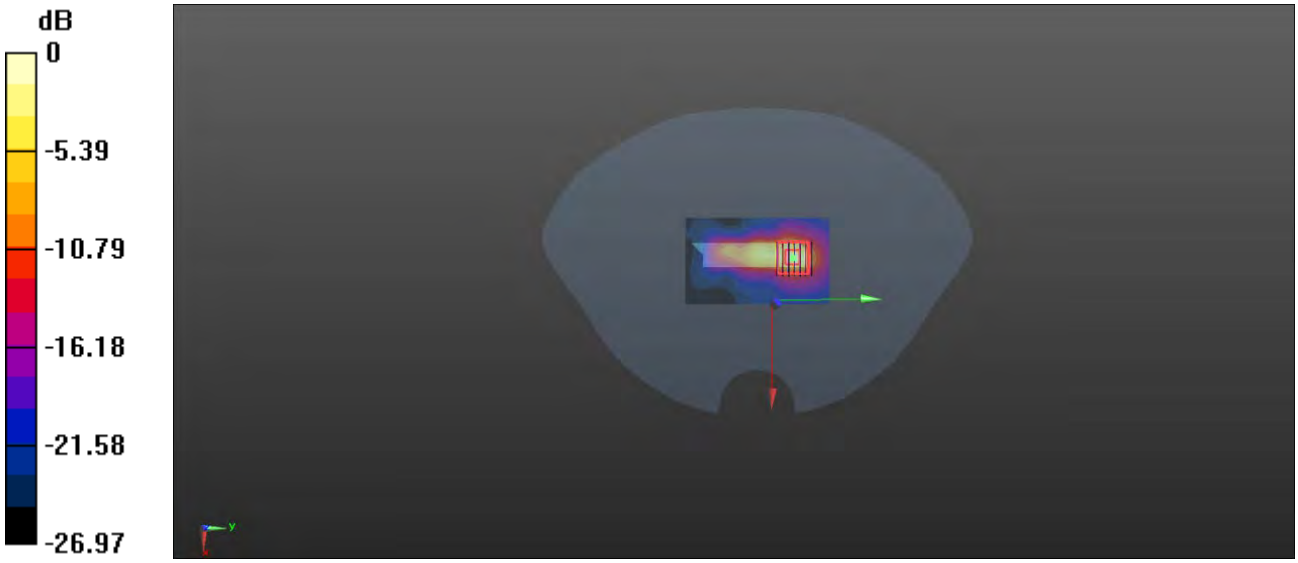
Ch64/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.27 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 24.4 W/kg

SAR(1 g) = 4.35 W/kg; SAR(10 g) = 1.14 W/kg

Maximum value of SAR (measured) = 10.4 W/kg



0 dB = 10.4 W/kg

MEAS.55 Body Plane with Top Edge 0mm on 100 Channel in IEEE802.11a mode

Date: 2021.02.04

Communication System Band: WLAN(a); Frequency: 5500 MHz;Duty Cycle: 1:1.017

Medium parameters used: f = 5500 MHz; σ = 4.951 S/m; ε_r = 36.147; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.89, 4.89, 4.89); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch100/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.40 W/kg

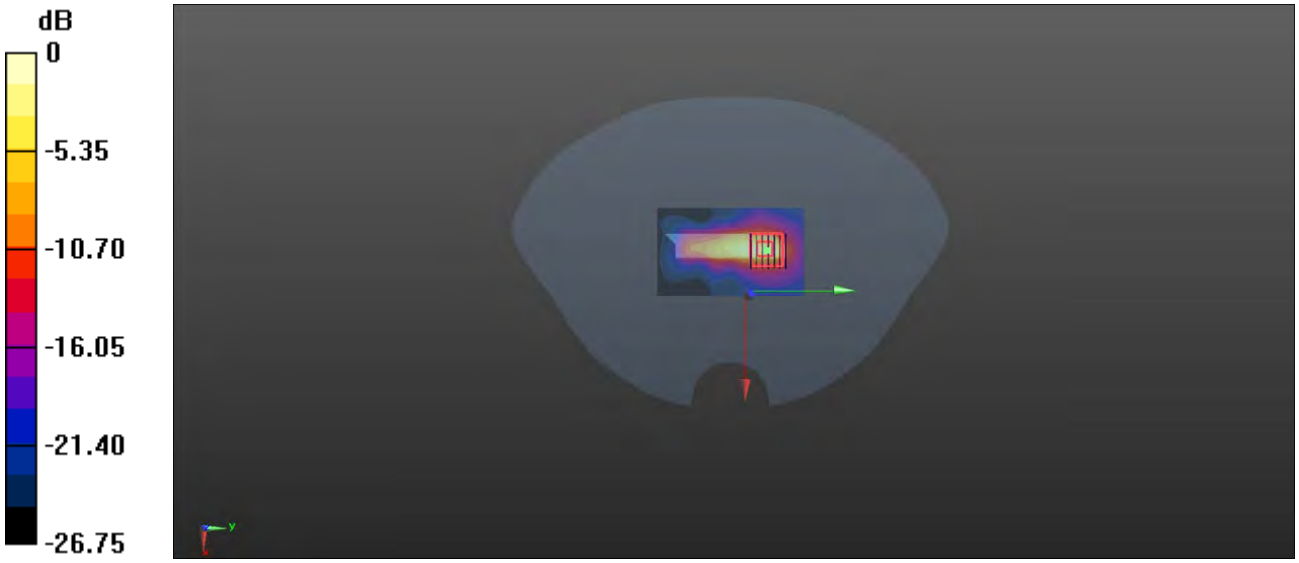
Ch100/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 19.03 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 25.5 W/kg

SAR(1 g) = 4.21 W/kg; SAR(10 g) = 1.08 W/kg

Maximum value of SAR (measured) = 10.5 W/kg



0 dB = 10.5 W/kg

MEAS.56 Left Head with Cheek on High Channel in Bluetooth DH5 mode

Date: 2021.01.29

Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.302

Medium parameters used: f = 2480 MHz; σ = 1.821 S/m; ε_r = 38.351; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 78/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.308 W/kg

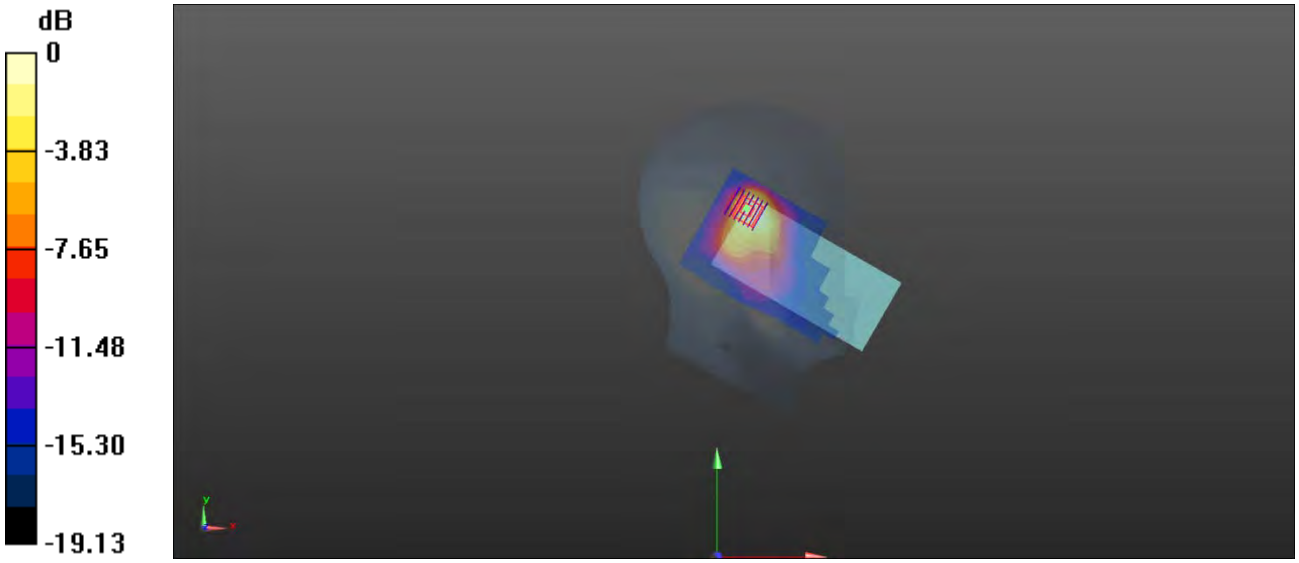
Ch 78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.648 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.570 W/kg

SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.256 W/kg



0 dB = 0.256 W/kg

MEAS.57 Body Plane with Back Side 15mm on High Channel in Bluetooth DH5 mode

Date: 2021.01.30

Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.302

Medium parameters used: f = 2480 MHz; σ = 1.814 S/m; ε_r = 38.749; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 78/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0320 W/kg

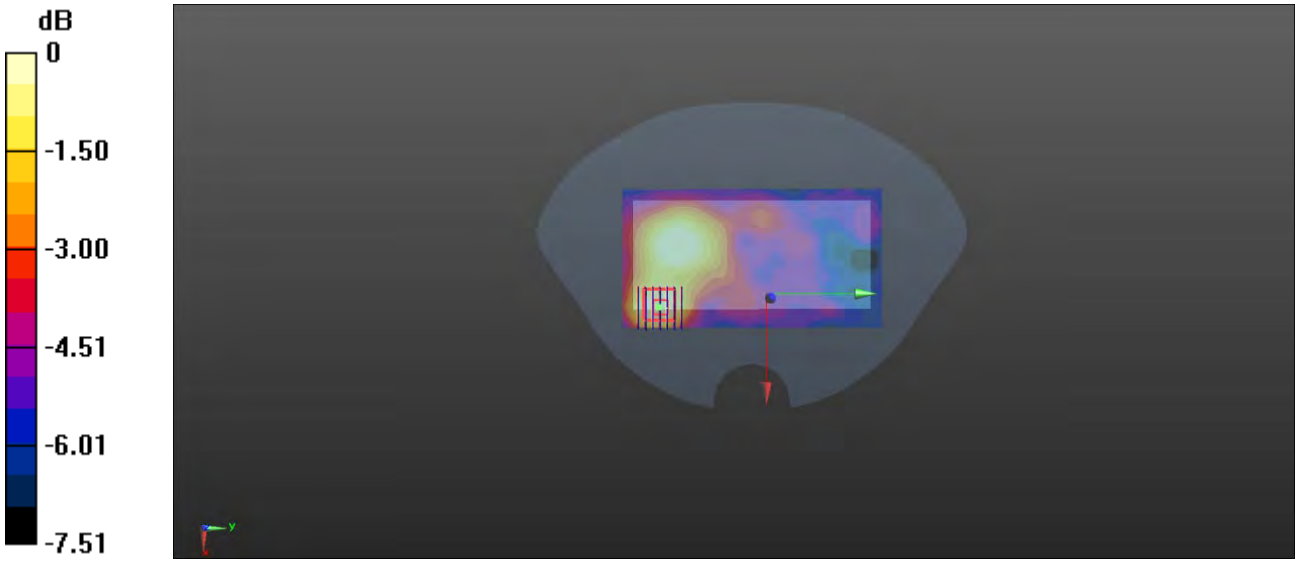
Ch 78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.109 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0650 W/kg

SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.0294 W/kg



0 dB = 0.0294 W/kg

MEAS.58 Body Plane with Top Edge 10mm on High Channel in Bluetooth DH5 mode

Date: 2021.01.30

Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.302

Medium parameters used: f = 2480 MHz; σ = 1.814 S/m; ε_r = 38.749; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom:SAM with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 78/Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0680 W/kg

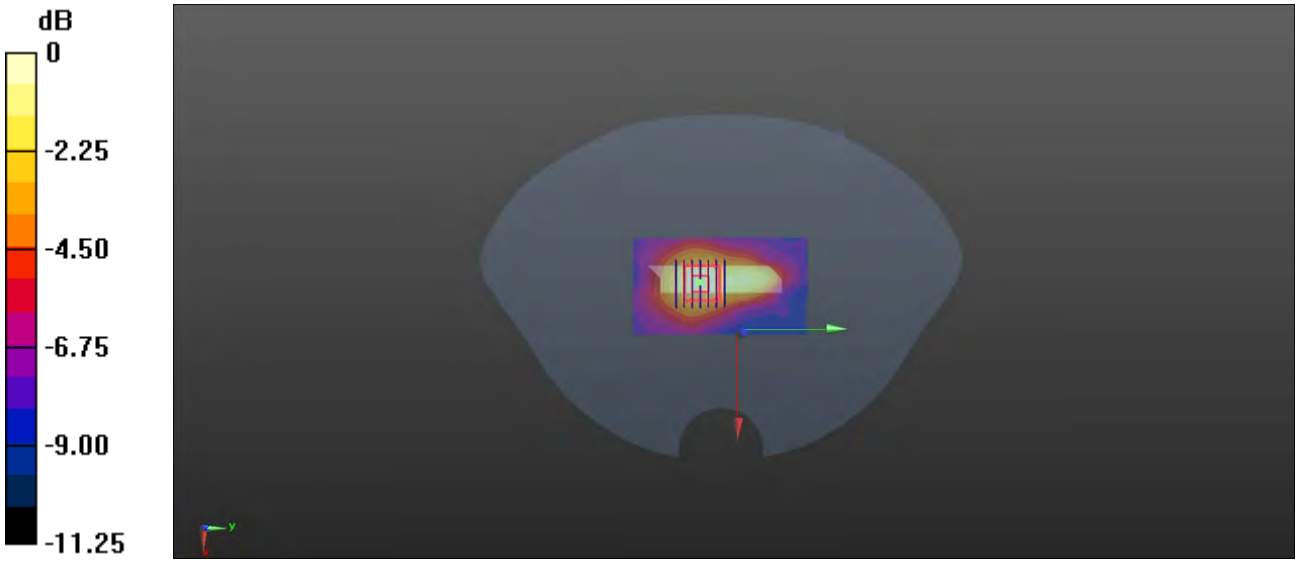
Ch 78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.210 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.112 W/kg

SAR(1 g) = 0.060 W/kg; SAR(10 g) = 0.033 W/kg

Maximum value of SAR (measured) = 0.0654 W/kg



0 dB = 0.0654 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2190504-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2190504-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

--END OF REPORT--