

FCC SAR TEST REPORT

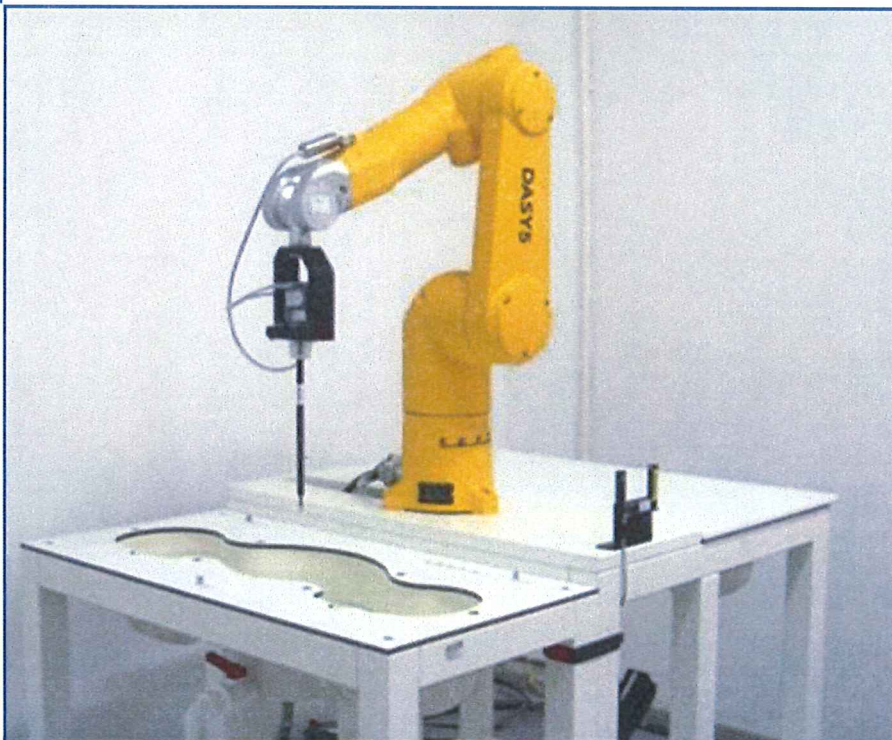
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



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
Zong Liyao

Date: Mar. 12, 2021

Approved by: Wei Yanquan
Wei Yanquan
(Chief Engineer)

Date: Mar. 12, 2021

Report No.:	BL-SZ2110523-701
EUT Name:	Mobile Phone
Model Name:	CPH2239
Brand Name:	OPPO
FCC ID:	R9C-CPH2239
Test Standard:	FCC 47 CFR Part 2.1093 ANSI C95.1: 1999, IEEE 1528: 2013
Maximum SAR:	Head (1 g): 1.171 W/kg Body (1 g): 0.574 W/kg Hotspot (1 g): 0.822 W/kg
Test Conclusion:	Pass
Test Date:	Feb. 07, 2021 ~ Feb. 24, 2021
Date of Issue:	Mar. 12, 2021

NOTE: This test report of test results only related to testing samples, which can be duplicated completely for the legal use with the approval of the applicant; it shall not be reproduced except in full, without the written approval of Shenzhen BALUN Technology Co., Ltd. Any objections should be raised within thirty days from the date of issue. To validate the report, please contact us.

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Mar. 12, 2021</u>	<u>Initial Issue</u>

TABLE OF CONTENTS

1	GENERAL INFORMATION	5
1.1	Identification of the Testing Laboratory	5
1.2	Identification of the Responsible Testing Location	5
1.3	Test Environment Condition	5
1.4	Announce	5
2	PRODUCT INFORMATION	6
2.1	Applicant Information	6
2.2	Manufacturer Information	6
2.3	Factory Information	6
2.4	General Description for Equipment under Test (EUT)	6
2.5	Ancillary Equipment	7
2.6	Technical Information	8
3	SUMMARY OF TEST RESULT	10
3.1	Test Standards	10
3.2	Device Category and SAR Limit	11
3.3	Test Result Summary	12
3.4	Test Uncertainty	14
4	MEASUREMENT SYSTEM	15
4.1	Specific Absorption Rate (SAR) Definition	15
4.2	DASY SAR System	16
5	SYSTEM VERIFICATION	23
5.1	Purpose of System Check	23
5.2	System Check Setup	23
6	TEST POSITION CONFIGURATIONS	24
6.1	Head Exposure Conditions	24
6.2	Body-worn Position Conditions	26

6.3	Hotspot Mode Exposure Position Conditions	27
6.4	Product Specific 10g Exposure Consideration	27
7	MEASUREMENT PROCEDURE	28
7.1	Measurement Process Diagram	28
7.2	SAR Scan General Requirement	29
7.3	Measurement Procedure	30
7.4	Area & Zoom Scan Procedure	30
8	CONDUCTED RF OUPUT POWER	31
8.1	GSM	31
8.2	WCDMA	33
8.3	LTE	35
8.4	WIFI	77
8.5	Bluetooth	79
8.6	Power Reduction List	80
9	TEST EXCLUSION CONSIDERATION	177
9.1	SAR Test Exclusion Consideration Table	178
10	TEST RESULT	182
10.1	GSM 850	182
10.2	GSM 1900	183
10.3	WCDMA Band 2	185
10.4	WCDMA Band 4	186
10.5	WCDMA Band 5	187
10.6	LTE Band 2 (20MHz Bandwidth)	188
10.7	LTE Band 4 (20MHz Bandwidth)	190
10.8	LTE Band 5 (10MHz Bandwidth)	192
10.9	LTE Band 7 (20MHz Bandwidth)	194
10.10	LTE Band 12 (10MHz Bandwidth)	196
10.11	LTE Band 26 (15MHz Bandwidth)	198
10.12	LTE Band 66 (20MHz Bandwidth)	200
10.13	LTE Band 38 (20MHz Bandwidth)	203
10.14	LTE Band 41 (20MHz Bandwidth)	205
10.15	WIFI 2.4GHz	207

10.16	WIFI 5GHz.....	208
10.17	Bluetooth	210
11	SAR Measurement Variability	211
12	SIMULTANEOUS TRANSMISSION	212
12.1	Simultaneous Transmission Mode Consider	212
12.2	Sum SAR of Simultaneous Transmission	214
13	TEST EQUIPMENTS LIST	223
ANNEX A	SIMULATING LIQUID VERIFICATION RESULT	224
ANNEX B	SYSTEM CHECK RESULT	225
ANNEX C	TEST DATA.....	244
ANNEX D	EUT EXTERNAL PHOTOS	306
ANNEX E	SAR TEST SETUP PHOTOS.....	306
ANNEX F	CALIBRATION REPORT	306

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°C to 23°C
Ambient Relative Humidity	38% to 45%
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	CPH2239
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS V7.2
Dimensions (Approx.)	163.6*75.7*8.4mm
Weight (Approx.)	192g

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery 1	
	Brand Name	OPPO
	Model No.	BLP805
	Serial No.	N/A
	Capacity	Rated Capacity:4890mAh Typical Capacity:5000mAh
	Rated Voltage	3.87 V
	Limit Charge Voltage	4.2 V
	Manufacturer	HUIZHOU DESAY BATTERY Co., LTD.
Ancillary Equipment 2	Battery 2	
	Brand Name	OPPO
	Model No.	BLP805
	Serial No.	N/A
	Capacity	Rated Capacity:4890mAh Typical Capacity:5000mAh
	Rated Voltage	3.87 V
	Limit Charge Voltage	4.2 V
	Manufacturer	Sunwoda Electronic Co., Ltd.
Ancillary Equipment 3	Headset 1	
	Model No.	MH156
	Length (Approx.)	1.2 m
Ancillary Equipment 4	Headset 2	
	Model No.	MH145
	Length (Approx.)	1.2 m
Note: The EUT has two Batterys, they are same with electrical parameters, but only differ in Manufacturer and battery cell. By comparing the test data of two Batteries, battery 2 can produce a more conservative SAR values. The battery of the Manufacturer is Sunwoda Electronic Co., Ltd. as the main for test in this report.		

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/900/1800/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 1/2/4/5/8 4G Network FDD LTE Band 1/2/3/4/5/7/8/12/17/26/28/66 TDD LTE Band 38/41 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, BDS, Galileo, SBAS, FM Receiver
Note : The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	802.11b/g /n(HT20/HT40)	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	Not 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	47 CFR Part 2	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

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/ Controlled Exposure
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	0.188	0.208	0.274	1.171	0.574	0.822
GSM 1900	1.103	0.421	0.772			
WCDMA Band 2	0.724	0.235	0.822			
WCDMA Band 4	0.585	0.239	0.515			
WCDMA Band 5	0.516	0.149	0.296			
LTE Band 2	0.704	0.330	0.734			
LTE Band 4	0.632	0.230	0.499			
LTE Band 5	0.545	0.150	0.235			
LTE Band 7	0.565	0.171	0.383			
LTE Band 12	0.082	0.130	0.161			
LTE Band 26	0.358	0.115	0.155			
LTE Band 66	1.171	0.173	0.628			
LTE Band 38	0.521	0.194	0.409			
LTE Band 41	0.492	0.252	0.521			
2.4G WLAN	0.627	0.025	0.110			
5.2G WLAN	/	/	0.221			
5.3G WLAN	0.847	0.574	/			
5.6G WLAN	0.548	0.359	/			
5.8G WLAN	0.397	0.299	0.106			
Bluetooth	0.425	0.017	0.044			
Limit (W/kg)	1.6			1.6		
Verdict	PASS					

Note: This device supports both LTE Band 17 and Band 12. Since the supported frequency span for LTE Band 17 falls completely within the supports frequency span for LTE Band 12, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, SAR was only assessed for LTE Band 12.

3.3.2 Highest Specific SAR (10 g Value)

Band	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)
	Specific 10g	
GSM 1900	1.220	1.764
WCDMA Band 2	1.516	
LTE Band 2	1.412	
LTE Band 66	1.645	
5.3G WLAN	1.764	
5.6G WLAN	1.639	
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)	GSM 1900 + 5G WIFI + Bluetooth	1.470	1.6	Pass
Body-worn Accessory (1g)	GSM 1900 + 5G WIFI + Bluetooth	1.012	1.6	Pass
Hotspot (1g)	WCDMA Band 2 + 5G WIFI + Bluetooth	1.078	1.6	Pass
Specific (10g)	LTE Band 66 + 5G WIFI	3.405	4.0	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 1.171 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 1.764 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:

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

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

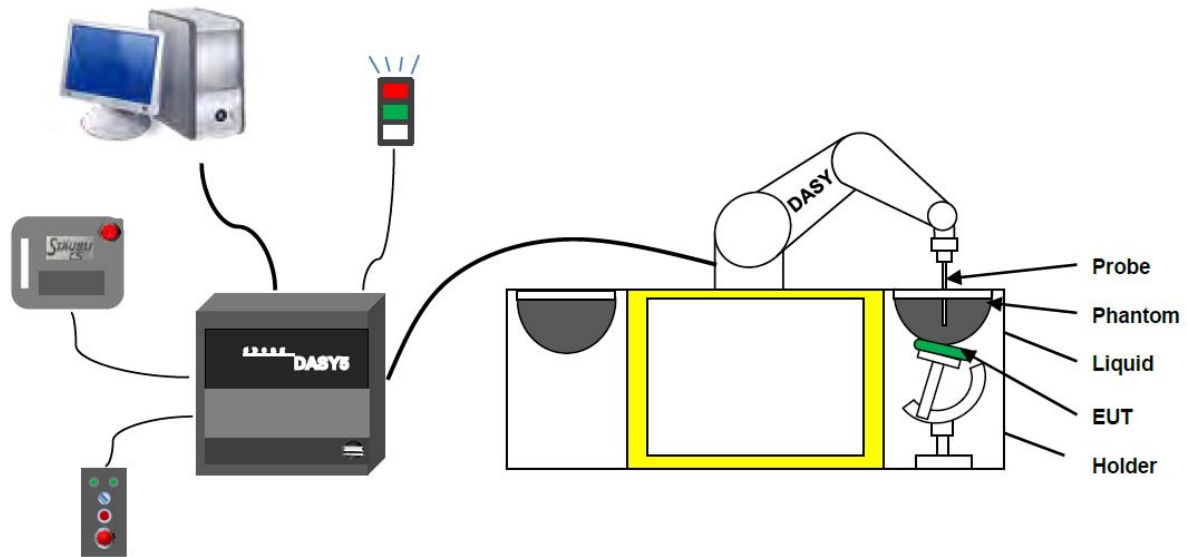
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



The DASY5 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 DASY5 measurement server.
6. The DASY5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY5 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:



- 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 construction 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-SN: 7607 with following specifications is used.

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycoether)
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 μ W/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)

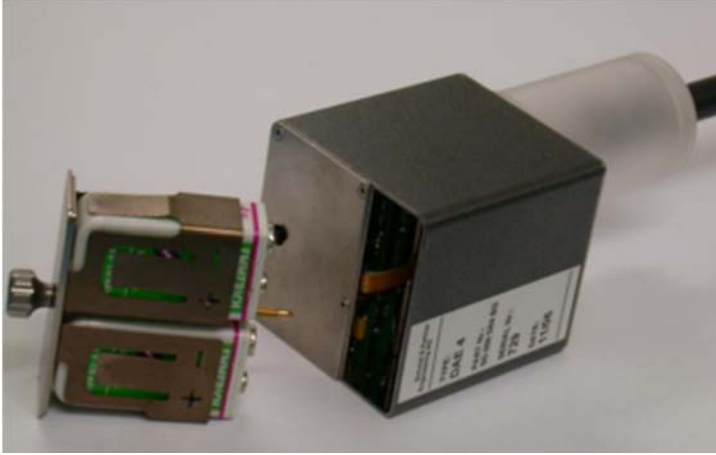


E-Field Probe Calibration Process

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

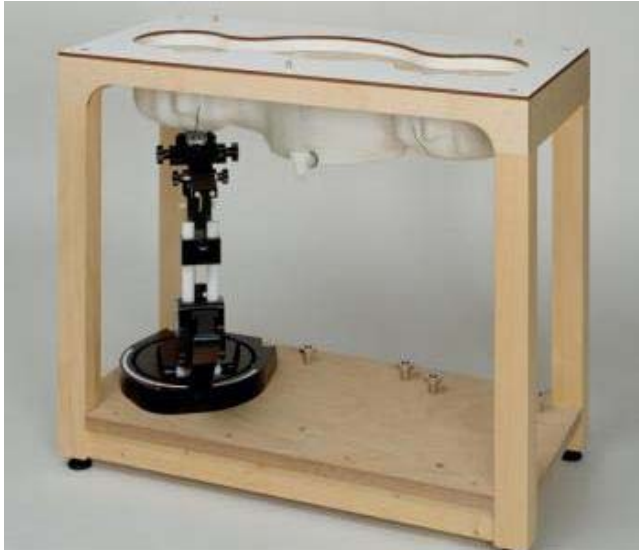
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an 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 SN1857



Photo of Phantom SN1859



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

4.2.6 Device Holder

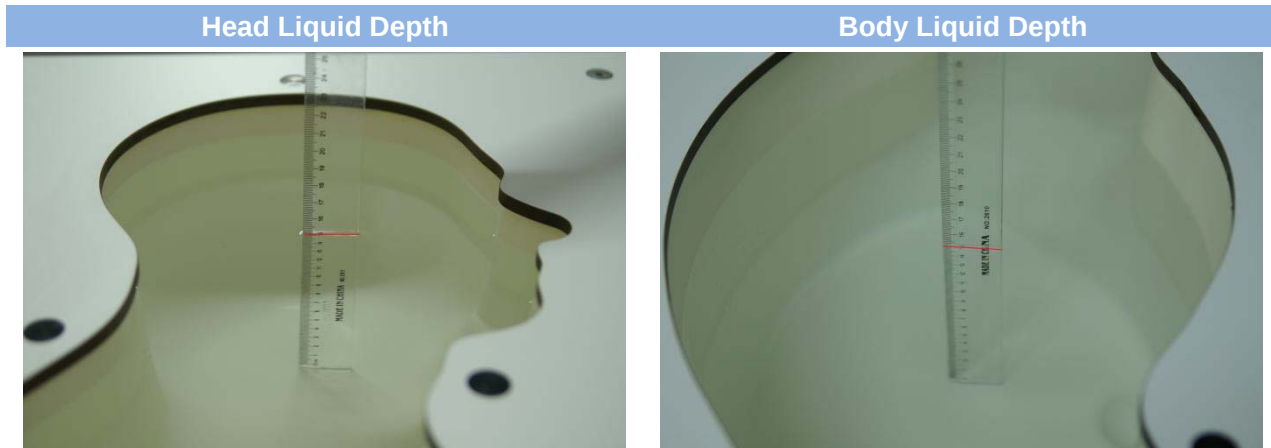
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for 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%.



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

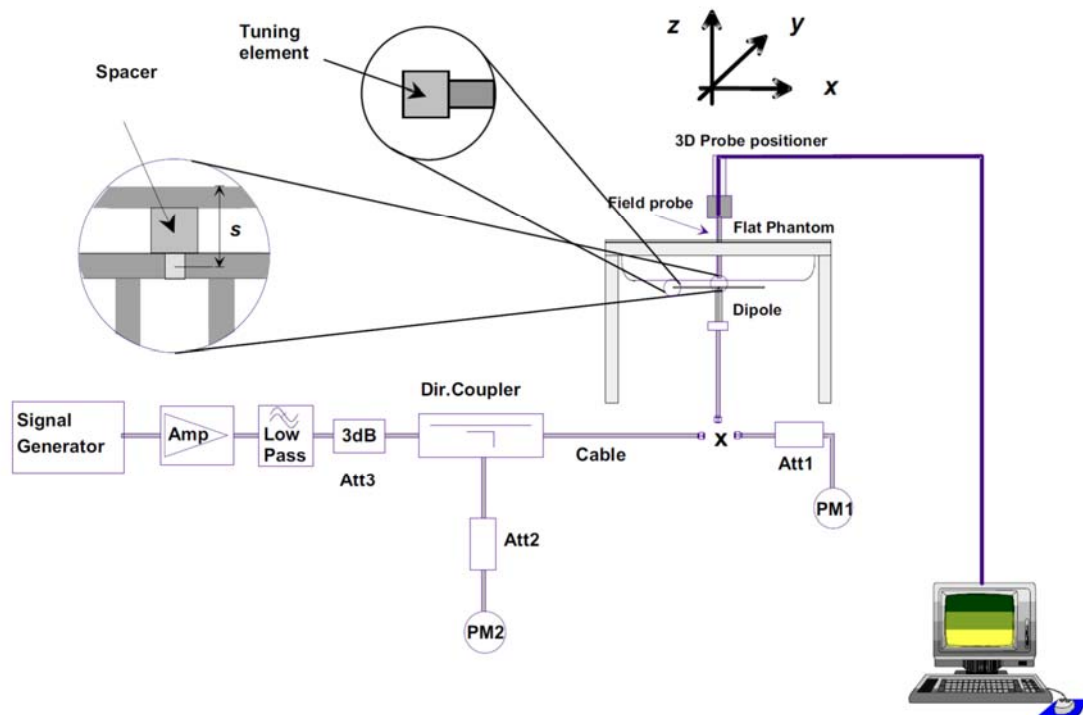
5 SYSTEM VERIFICATION

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

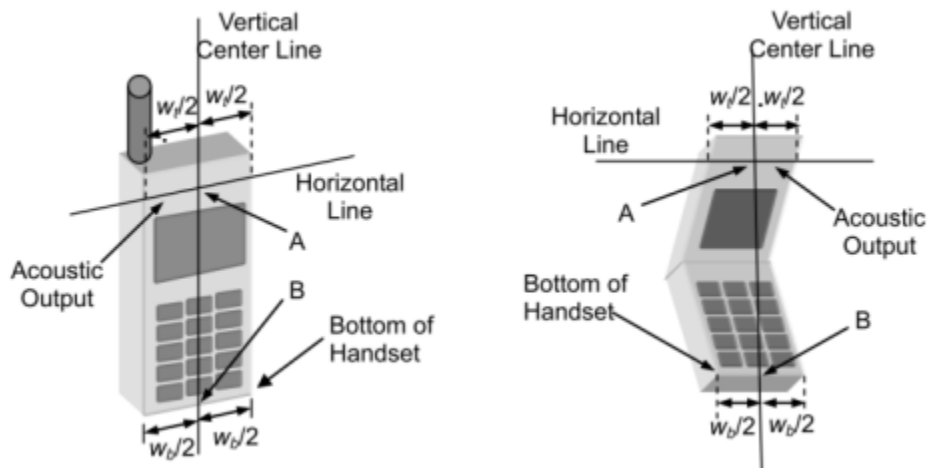
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

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.

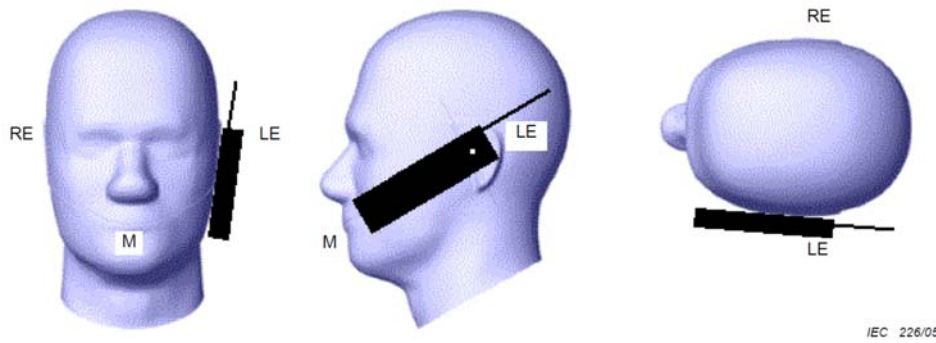
6.1.1 Two Imaginary Lines on the Handset

- 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.
- 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.
- 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.



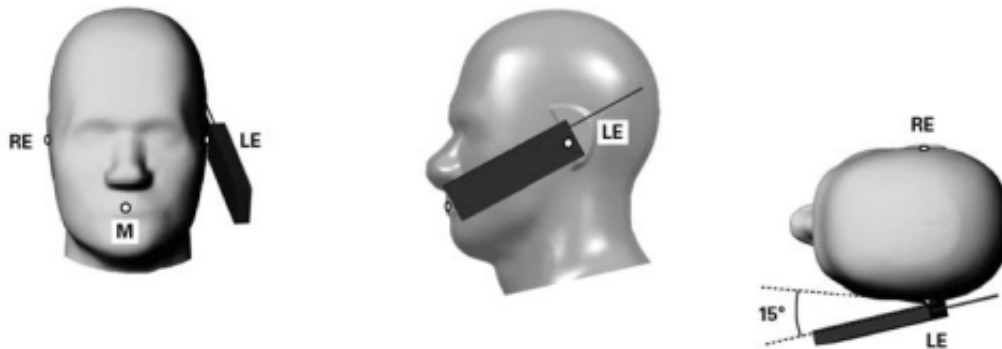
6.1.2 Cheek Position

- 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.
- 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

- To position the device in the "cheek" position described above.
- 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.

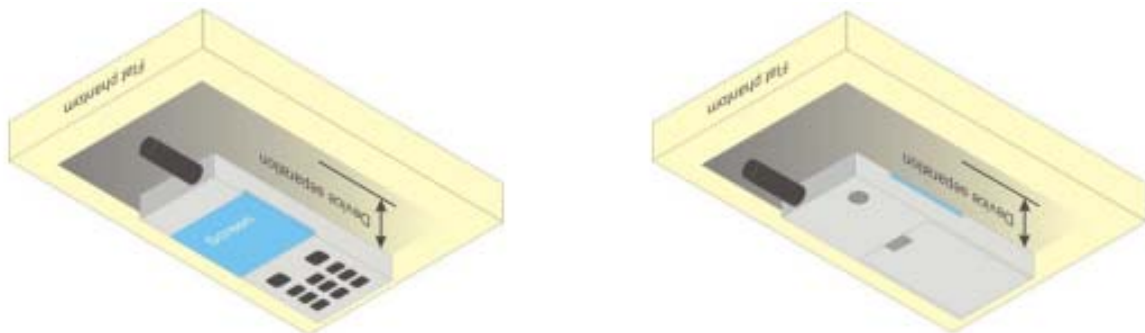


6.2 Body-worn Position Conditions

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.

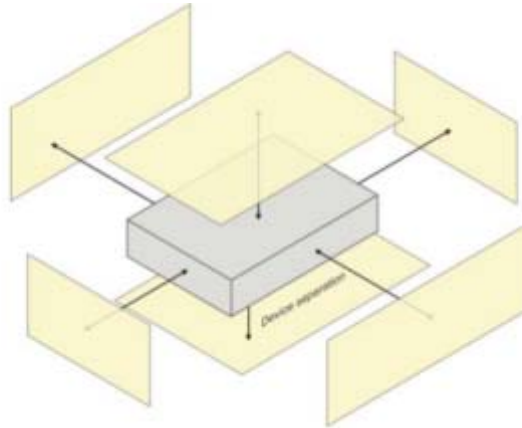
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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



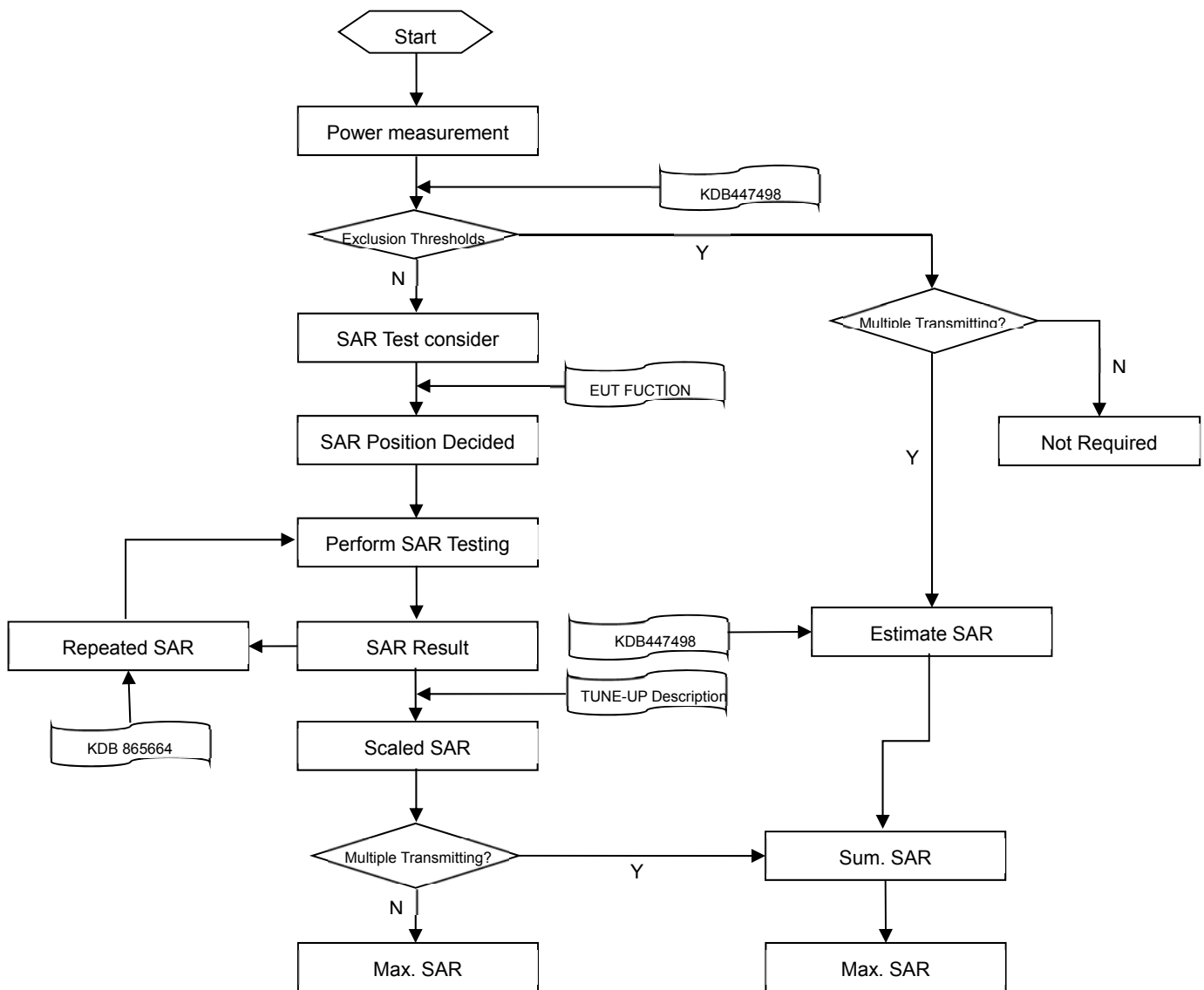
6.4 Product Specific 10g Exposure Consideration

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. Both the 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.

			≤3GHz	>3GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5±1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30°±1°	20°±1°
Maximum area scan spatial resolution: Δx Area , Δy Area			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			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.	
Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)		≤ 5 mm	3–4 GHz: ≤ 4 mm
				4–5 GHz: ≤ 3 mm
				5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm	3–4 GHz: ≤ 3 mm
				4–5 GHz: ≤ 2.5 mm
				5–6 GHz: ≤ 2 mm
		Δz Zoom (n>1): between subsequent points		≤ 1.5·Δz Zoom (n-1)
Minimum zoom scan volume	x, y, z		≥30 mm	3–4 GHz: ≥ 28 mm
				4–5 GHz: ≥ 25 mm
				5–6 GHz: ≥ 22 mm
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.				

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 to 16 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 OUTPUT POWER

8.1 GSM

GSM 850-ANT2								
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)	32.97	33.02	32.91	33.80	23.78	23.83	23.72	24.61
GPRS (GMSK, 1-Slot)	33.04	33.09	32.98	33.80	23.85	23.90	23.79	24.61
GPRS (GMSK, 2-Slots)	30.94	31.08	30.98	31.80	24.81	24.95	24.85	25.67
GPRS (GMSK, 3-Slots)	29.04	29.18	29.06	30.80	24.62	24.76	24.64	26.38
GPRS (GMSK, 4-Slots)	28.12	28.27	28.15	29.80	24.94	25.09	24.97	26.62
EGPRS (8PSK, 1-Slot)	29.55	29.60	29.76	29.80	20.36	20.41	20.57	20.61
EGPRS (8PSK, 2-Slots)	28.50	28.50	28.59	29.80	22.37	22.37	22.46	23.67
EGPRS (8PSK, 3-Slots)	26.52	26.60	26.56	27.80	22.10	22.18	22.14	23.38
EGPRS (8PSK, 4-Slots)	25.44	25.48	25.60	26.80	22.26	22.30	22.42	23.62
GSM 1900-ANT2								
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)	30.34	30.34	30.30	31.00	21.15	21.15	21.11	21.81
GPRS (GMSK, 1-Slot)	30.37	30.40	30.35	31.00	21.18	21.21	21.16	21.81
GPRS (GMSK, 2-Slots)	28.20	28.26	28.30	29.00	22.07	22.13	22.17	22.87
GPRS (GMSK, 3-Slots)	26.21	26.26	26.32	27.00	21.79	21.84	21.90	22.58
GPRS (GMSK, 4-Slots)	25.25	25.30	25.35	26.00	22.07	22.12	22.17	22.82
EGPRS (8PSK, 1-Slot)	28.50	28.62	28.75	29.00	19.31	19.43	19.56	19.81
EGPRS (8PSK, 2-Slots)	27.56	27.56	27.62	28.00	21.43	21.43	21.49	21.87
EGPRS (8PSK, 3-Slots)	25.46	25.36	25.62	26.00	21.04	20.94	21.20	21.58
EGPRS (8PSK, 4-Slots)	24.34	24.33	24.46	25.00	21.16	21.15	21.28	21.82

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

GSM 850-ANT3								
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)	32.97	33.02	32.91	33.80	23.78	23.83	23.72	24.61
GPRS (GMSK, 1-Slot)	33.04	33.09	32.98	33.80	23.85	23.90	23.79	24.61
GPRS (GMSK, 2-Slots)	30.94	31.08	30.98	31.80	24.81	24.95	24.85	25.67
GPRS (GMSK, 3-Slots)	29.04	29.18	29.06	30.80	24.62	24.76	24.64	26.38
GPRS (GMSK, 4-Slots)	28.12	28.27	28.15	29.80	24.94	25.09	24.97	26.62
EGPRS (8PSK, 1-Slot)	29.55	29.60	29.76	29.80	20.36	20.41	20.57	20.61
EGPRS (8PSK, 2-Slots)	28.50	28.50	28.59	29.80	22.37	22.37	22.46	23.67
EGPRS (8PSK, 3-Slots)	26.52	26.60	26.56	27.80	22.10	22.18	22.14	23.38
EGPRS (8PSK, 4-Slots)	25.44	25.48	25.60	26.80	22.26	22.30	22.42	23.62
GSM 1900-ANT3								
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)	30.34	30.34	30.30	31.00	21.15	21.15	21.11	21.81
GPRS (GMSK, 1-Slot)	30.37	30.40	30.35	31.00	21.18	21.21	21.16	21.81
GPRS (GMSK, 2-Slots)	28.20	28.26	28.30	29.00	22.07	22.13	22.17	22.87
GPRS (GMSK, 3-Slots)	26.21	26.26	26.32	27.00	21.79	21.84	21.90	22.58
GPRS (GMSK, 4-Slots)	25.25	25.30	25.35	26.00	22.07	22.12	22.17	22.82
EGPRS (8PSK, 1-Slot)	28.50	28.62	28.75	29.00	19.31	19.43	19.56	19.81
EGPRS (8PSK, 2-Slots)	27.56	27.56	27.62	28.00	21.43	21.43	21.49	21.87
EGPRS (8PSK, 3-Slots)	25.46	25.36	25.62	26.00	21.04	20.94	21.20	21.58
EGPRS (8PSK, 4-Slots)	24.34	24.33	24.46	25.00	21.16	21.15	21.28	21.82
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-ANT2				Band 4-ANT2			
Channel	9262	9400	9538	Tune-up Limit (dBm)	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	22.71	22.67	22.69	23.50	22.76	22.70	22.64	23.50
HSDPA Subtest-1	22.19	22.18	22.17	23.50	22.28	22.25	22.16	23.50
HSDPA Subtest-2	22.18	22.13	22.13	23.50	22.24	22.22	22.11	23.50
HSDPA Subtest-3	21.70	21.62	21.63	22.50	21.77	21.75	21.62	22.50
HSDPA Subtest-4	21.68	21.59	21.60	22.50	21.71	21.70	21.62	22.50
HSUPA Subtest-1	20.75	20.64	20.64	21.50	20.75	20.73	20.62	21.50
HSUPA Subtest-2	20.72	20.65	20.64	21.50	20.75	20.73	20.61	21.50
HSUPA Subtest-3	20.70	20.66	20.62	21.50	20.73	20.69	20.59	21.50
HSUPA Subtest-4	20.25	20.20	20.18	21.50	20.25	20.25	20.12	21.50
HSUPA Subtest-5	21.68	21.63	21.62	22.50	21.72	21.67	21.57	22.50
WCDMA	Band 5-ANT2				/			
Channel	4132	4182	4233	Tune-up Limit (dBm)	/	/	/	/
RMC 12.2Kbps	23.11	23.04	23.01	24.50	/	/	/	/
HSDPA Subtest-1	21.61	21.57	21.50	22.50	/	/	/	/
HSDPA Subtest-2	21.63	21.54	21.44	22.50	/	/	/	/
HSDPA Subtest-3	21.13	21.01	20.94	22.50	/	/	/	/
HSDPA Subtest-4	21.14	20.97	20.93	21.50	/	/	/	/
HSUPA Subtest-1	20.56	20.50	20.42	21.50	/	/	/	/
HSUPA Subtest-2	20.10	20.03	19.99	21.50	/	/	/	/
HSUPA Subtest-3	20.60	20.59	20.51	21.50	/	/	/	/
HSUPA Subtest-4	19.64	19.55	19.47	20.50	/	/	/	/
HSUPA Subtest-5	21.55	21.51	21.44	22.50	/	/	/	/

WCDMA	Band 2-ANT3				Band 4-ANT3			
Channel	9262	9400	9538	Tune-up Limit (dBm)	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	22.71	22.67	22.69	23.50	22.76	22.70	22.64	23.50
HSDPA Subtest-1	22.19	22.18	22.17	23.50	22.28	22.25	22.16	23.50
HSDPA Subtest-2	22.18	22.13	22.13	23.50	22.24	22.22	22.11	23.50
HSDPA Subtest-3	21.70	21.62	21.63	22.50	21.77	21.75	21.62	22.50
HSDPA Subtest-4	21.68	21.59	21.60	22.50	21.71	21.70	21.62	22.50
HSUPA Subtest-1	20.75	20.64	20.64	21.50	20.75	20.73	20.62	21.50
HSUPA Subtest-2	20.72	20.65	20.64	21.50	20.75	20.73	20.61	21.50
HSUPA Subtest-3	20.70	20.66	20.62	21.50	20.73	20.69	20.59	21.50
HSUPA Subtest-4	20.25	20.20	20.18	21.50	20.25	20.25	20.12	21.50
HSUPA Subtest-5	21.68	21.63	21.62	22.50	21.72	21.67	21.57	22.50
WCDMA	Band 5-ANT3				/			
Channel	4132	4182	4233	Tune-up Limit (dBm)	/	/	/	/
RMC 12.2Kbps	23.11	23.04	23.01	24.50	/	/	/	/
HSDPA Subtest-1	21.61	21.57	21.50	22.50	/	/	/	/
HSDPA Subtest-2	21.63	21.54	21.44	22.50	/	/	/	/
HSDPA Subtest-3	21.13	21.01	20.94	22.50	/	/	/	/
HSDPA Subtest-4	21.14	20.97	20.93	21.50	/	/	/	/
HSUPA Subtest-1	20.56	20.50	20.42	21.50	/	/	/	/
HSUPA Subtest-2	20.10	20.03	19.99	21.50	/	/	/	/
HSUPA Subtest-3	20.60	20.59	20.51	21.50	/	/	/	/
HSUPA Subtest-4	19.64	19.55	19.47	20.50	/	/	/	/
HSUPA Subtest-5	21.55	21.51	21.44	22.50	/	/	/	/

8.3 LTE

FDD LTE Band 2-ANT2							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18607	18900	19193	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	21.30	21.30	21.34	23.50
	1 (RB_Pos:3)	MIDDLE	QPSK	21.41	21.47	22.31	23.50
	1 (RB_Pos:5)	HIGH	QPSK	21.52	21.20	22.17	23.50
	3 (RB_Pos:0)	LOW	QPSK	22.25	22.18	22.25	23.50
	3 (RB_Pos:1)	MIDDLE	QPSK	22.22	22.31	22.29	23.50
	3 (RB_Pos:3)	HIGH	QPSK	22.26	22.27	22.30	23.50
	6 (RB_Pos:0)	LOW	QPSK	21.21	21.21	21.22	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.36	21.48	21.19	22.50
	1 (RB_Pos:3)	MIDDLE	16QAM	21.39	21.60	21.30	22.50
	1 (RB_Pos:5)	HIGH	16QAM	21.33	21.49	21.19	22.50
	3 (RB_Pos:0)	LOW	16QAM	21.28	21.35	21.39	22.50
	3 (RB_Pos:1)	MIDDLE	16QAM	21.30	21.36	21.44	22.50
	3 (RB_Pos:3)	HIGH	16QAM	21.29	21.38	21.44	22.50
	6 (RB_Pos:0)	LOW	16QAM	20.34	20.18	20.36	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.31	20.40	20.08	21.50
	1 (RB_Pos:3)	MIDDLE	64QAM	20.31	20.71	20.44	21.50
	1 (RB_Pos:5)	HIGH	64QAM	20.27	20.43	20.15	21.50
	3 (RB_Pos:0)	LOW	64QAM	20.73	20.85	20.92	21.50
	3 (RB_Pos:1)	MIDDLE	64QAM	20.75	20.75	20.97	21.50
	3 (RB_Pos:3)	HIGH	64QAM	20.79	20.83	21.03	21.50
	6 (RB_Pos:0)	LOW	64QAM	19.93	19.73	19.92	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18615	18900	19185	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.37	22.47	22.40	23.50
	1 (RB_Pos:8)	MIDDLE	QPSK	22.22	22.32	22.35	23.50
	1 (RB_Pos:14)	HIGH	QPSK	22.28	22.33	22.29	23.50
	8 (RB_Pos:0)	LOW	QPSK	21.28	21.34	21.25	22.50
	8 (RB_Pos:3)	MIDDLE	QPSK	21.28	21.34	21.29	22.50
	8 (RB_Pos:7)	HIGH	QPSK	21.33	21.31	21.23	22.50
	15 (RB_Pos:0)	LOW	QPSK	21.23	21.29	21.22	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.31	21.65	21.27	22.50
	1 (RB_Pos:8)	MIDDLE	16QAM	21.29	21.60	21.16	22.50
	1 (RB_Pos:14)	HIGH	16QAM	21.30	21.63	21.28	22.50
	8 (RB_Pos:0)	LOW	16QAM	20.44	20.37	20.23	21.50
	8 (RB_Pos:3)	MIDDLE	16QAM	20.36	20.41	20.29	21.50
	8 (RB_Pos:7)	HIGH	16QAM	20.38	20.35	20.31	21.50
	15 (RB_Pos:0)	LOW	16QAM	20.35	20.30	20.16	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.21	20.68	20.14	21.50
	1 (RB_Pos:8)	MIDDLE	64QAM	20.35	20.50	20.26	21.50

	1 (RB_Pos:14)	HIGH	64QAM	20.38	20.72	20.15	21.50
	8 (RB_Pos:0)	LOW	64QAM	19.85	19.98	19.83	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	19.94	19.86	19.85	20.50
	8 (RB_Pos:7)	HIGH	64QAM	19.98	19.87	19.81	20.50
	15 (RB_Pos:0)	LOW	64QAM	19.83	19.79	19.71	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18625	18900	19175	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.37	22.45	22.32	23.50
	1 (RB_Pos:13)	MIDDLE	QPSK	22.33	22.46	22.26	23.50
	1 (RB_Pos:24)	HIGH	QPSK	22.31	22.35	22.29	23.50
	12 (RB_Pos:0)	LOW	QPSK	21.27	21.32	21.23	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.35	21.33	21.26	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.29	21.31	21.19	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.30	21.27	21.22	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.48	21.81	21.33	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.48	21.77	21.42	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.50	21.79	21.40	22.50
	12 (RB_Pos:0)	LOW	16QAM	20.33	20.42	20.37	21.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.36	20.43	20.28	21.50
	12 (RB_Pos:13)	HIGH	16QAM	20.36	20.39	20.25	21.50
	25 (RB_Pos:0)	LOW	16QAM	20.33	20.32	20.21	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.51	20.76	20.42	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.55	20.66	20.46	21.50
	1 (RB_Pos:24)	HIGH	64QAM	20.61	20.84	20.51	21.50
	12 (RB_Pos:0)	LOW	64QAM	19.74	19.99	19.92	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	19.73	19.92	19.85	20.50
	12 (RB_Pos:13)	HIGH	64QAM	19.86	19.79	19.82	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.70	19.90	19.62	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18650	18900	19150	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.34	22.42	22.37	23.50
	1 (RB_Pos:25)	MIDDLE	QPSK	22.42	22.43	22.39	23.50
	1 (RB_Pos:49)	HIGH	QPSK	22.29	22.32	22.36	23.50
	25 (RB_Pos:0)	LOW	QPSK	21.32	21.35	21.24	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.35	21.31	21.21	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.38	21.35	21.18	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.37	21.37	21.29	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.24	21.64	21.25	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.35	21.75	21.32	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.17	21.62	21.28	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.27	20.33	20.33	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.28	20.33	20.27	21.50
	25 (RB_Pos:25)	HIGH	16QAM	20.38	20.29	20.31	21.50

	50 (RB_Pos:0)	LOW	16QAM	20.31	20.32	20.31	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.35	20.64	20.28	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.24	20.82	20.32	21.50
	1 (RB_Pos:49)	HIGH	64QAM	20.10	20.71	20.40	21.50
	25 (RB_Pos:0)	LOW	64QAM	19.85	19.98	19.72	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	19.82	19.68	19.73	20.50
	25 (RB_Pos:25)	HIGH	64QAM	19.99	19.92	19.66	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.74	19.74	19.68	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18675	18900	19125	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.32	22.38	22.41	23.50
	1 (RB_Pos:38)	MIDDLE	QPSK	22.27	22.41	22.37	23.50
	1 (RB_Pos:74)	HIGH	QPSK	22.22	22.36	22.23	23.50
	36 (RB_Pos:0)	LOW	QPSK	21.35	21.47	21.39	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.39	21.43	21.39	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.38	21.42	21.31	22.50
	75 (RB_Pos:0)	LOW	QPSK	21.42	21.41	21.39	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.19	21.61	21.71	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	21.25	21.64	21.62	22.50
	1 (RB_Pos:74)	HIGH	16QAM	21.13	21.66	21.54	22.50
	36 (RB_Pos:0)	LOW	16QAM	20.31	20.35	20.26	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.36	20.32	20.30	21.50
	36 (RB_Pos:39)	HIGH	16QAM	20.35	20.22	20.25	21.50
	75 (RB_Pos:0)	LOW	16QAM	20.38	20.29	20.31	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.11	20.53	20.56	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.18	20.61	20.76	21.50
	1 (RB_Pos:74)	HIGH	64QAM	20.06	20.67	20.43	21.50
	36 (RB_Pos:0)	LOW	64QAM	19.82	19.92	19.74	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.88	19.86	19.94	20.50
	36 (RB_Pos:39)	HIGH	64QAM	19.82	19.83	19.65	20.50
	75 (RB_Pos:0)	LOW	64QAM	19.98	19.83	19.78	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18700	18900	19100	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.21	22.23	22.24	23.50
	1 (RB_Pos:50)	MIDDLE	QPSK	22.33	22.54	22.37	23.50
	1 (RB_Pos:99)	HIGH	QPSK	22.08	22.11	22.08	23.50
	50 (RB_Pos:0)	LOW	QPSK	21.27	21.33	21.33	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.36	21.34	21.24	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.36	21.31	21.16	22.50
	100 (RB_Pos:0)	LOW	QPSK	21.32	21.34	21.27	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.62	21.48	21.54	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	21.90	21.83	21.76	22.50
	1 (RB_Pos:99)	HIGH	16QAM	21.51	21.53	21.42	22.50

	50 (RB_Pos:0)	LOW	16QAM	20.32	20.34	20.30	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.34	20.34	20.29	21.50
	50 (RB_Pos:50)	HIGH	16QAM	20.34	20.34	20.14	21.50
	100 (RB_Pos:0)	LOW	16QAM	20.34	20.34	20.28	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.63	20.61	20.47	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	20.87	20.78	20.71	21.50
	1 (RB_Pos:99)	HIGH	64QAM	20.45	20.67	20.53	21.50
	50 (RB_Pos:0)	LOW	64QAM	19.87	19.71	19.94	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.98	19.96	19.86	20.50
	50 (RB_Pos:50)	HIGH	64QAM	19.89	19.74	19.75	20.50
	100 (RB_Pos:0)	LOW	64QAM	19.74	19.92	19.90	20.50

FDD LTE Band 2-ANT3							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18607	18900	19193	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	21.30	21.30	21.34	23.50
	1 (RB_Pos:3)	MIDDLE	QPSK	21.41	21.47	22.31	23.50
	1 (RB_Pos:5)	HIGH	QPSK	21.52	21.20	22.17	23.50
	3 (RB_Pos:0)	LOW	QPSK	22.25	22.18	22.25	23.50
	3 (RB_Pos:1)	MIDDLE	QPSK	22.22	22.31	22.29	23.50
	3 (RB_Pos:3)	HIGH	QPSK	22.26	22.27	22.30	23.50
	6 (RB_Pos:0)	LOW	QPSK	21.21	21.21	21.22	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.36	21.48	21.19	22.50
	1 (RB_Pos:3)	MIDDLE	16QAM	21.39	21.60	21.30	22.50
	1 (RB_Pos:5)	HIGH	16QAM	21.33	21.49	21.19	22.50
	3 (RB_Pos:0)	LOW	16QAM	21.28	21.35	21.39	22.50
	3 (RB_Pos:1)	MIDDLE	16QAM	21.30	21.36	21.44	22.50
	3 (RB_Pos:3)	HIGH	16QAM	21.29	21.38	21.44	22.50
	6 (RB_Pos:0)	LOW	16QAM	20.34	20.18	20.36	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.31	20.40	20.08	21.50
	1 (RB_Pos:3)	MIDDLE	64QAM	20.31	20.71	20.44	21.50
	1 (RB_Pos:5)	HIGH	64QAM	20.27	20.43	20.15	21.50
	3 (RB_Pos:0)	LOW	64QAM	20.73	20.85	20.92	21.50
	3 (RB_Pos:1)	MIDDLE	64QAM	20.75	20.75	20.97	21.50
	3 (RB_Pos:3)	HIGH	64QAM	20.79	20.83	21.03	21.50
	6 (RB_Pos:0)	LOW	64QAM	19.93	19.73	19.92	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18615	18900	19185	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.37	22.47	22.40	23.50
	1 (RB_Pos:8)	MIDDLE	QPSK	22.22	22.32	22.35	23.50
	1 (RB_Pos:14)	HIGH	QPSK	22.28	22.33	22.29	23.50
	8 (RB_Pos:0)	LOW	QPSK	21.28	21.34	21.25	22.50

	8 (RB_Pos:3)	MIDDLE	QPSK	21.28	21.34	21.29	22.50
	8 (RB_Pos:7)	HIGH	QPSK	21.33	21.31	21.23	22.50
	15 (RB_Pos:0)	LOW	QPSK	21.23	21.29	21.22	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.31	21.65	21.27	22.50
	1 (RB_Pos:8)	MIDDLE	16QAM	21.29	21.60	21.16	22.50
	1 (RB_Pos:14)	HIGH	16QAM	21.30	21.63	21.28	22.50
	8 (RB_Pos:0)	LOW	16QAM	20.44	20.37	20.23	21.50
	8 (RB_Pos:3)	MIDDLE	16QAM	20.36	20.41	20.29	21.50
	8 (RB_Pos:7)	HIGH	16QAM	20.38	20.35	20.31	21.50
	15 (RB_Pos:0)	LOW	16QAM	20.35	20.30	20.16	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.21	20.68	20.14	21.50
	1 (RB_Pos:8)	MIDDLE	64QAM	20.35	20.50	20.26	21.50
	1 (RB_Pos:14)	HIGH	64QAM	20.38	20.72	20.15	21.50
	8 (RB_Pos:0)	LOW	64QAM	19.85	19.98	19.83	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	19.94	19.86	19.85	20.50
	8 (RB_Pos:7)	HIGH	64QAM	19.98	19.87	19.81	20.50
	15 (RB_Pos:0)	LOW	64QAM	19.83	19.79	19.71	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18625	18900	19175	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.37	22.45	22.32	23.50
	1 (RB_Pos:13)	MIDDLE	QPSK	22.33	22.46	22.26	23.50
	1 (RB_Pos:24)	HIGH	QPSK	22.31	22.35	22.29	23.50
	12 (RB_Pos:0)	LOW	QPSK	21.27	21.32	21.23	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.35	21.33	21.26	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.29	21.31	21.19	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.30	21.27	21.22	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.48	21.81	21.33	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.48	21.77	21.42	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.50	21.79	21.40	22.50
	12 (RB_Pos:0)	LOW	16QAM	20.33	20.42	20.37	21.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.36	20.43	20.28	21.50
	12 (RB_Pos:13)	HIGH	16QAM	20.36	20.39	20.25	21.50
	25 (RB_Pos:0)	LOW	16QAM	20.33	20.32	20.21	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.51	20.76	20.42	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.55	20.66	20.46	21.50
	1 (RB_Pos:24)	HIGH	64QAM	20.61	20.84	20.51	21.50
	12 (RB_Pos:0)	LOW	64QAM	19.74	19.99	19.92	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	19.73	19.92	19.85	20.50
	12 (RB_Pos:13)	HIGH	64QAM	19.86	19.79	19.82	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.70	19.90	19.62	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18650	18900	19150	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.34	22.42	22.37	23.50

	1 (RB_Pos:25)	MIDDLE	QPSK	22.42	22.43	22.39	23.50
	1 (RB_Pos:49)	HIGH	QPSK	22.29	22.32	22.36	23.50
	25 (RB_Pos:0)	LOW	QPSK	21.32	21.35	21.24	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.35	21.31	21.21	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.38	21.35	21.18	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.37	21.37	21.29	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.24	21.64	21.25	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.35	21.75	21.32	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.17	21.62	21.28	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.27	20.33	20.33	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.28	20.33	20.27	21.50
	25 (RB_Pos:25)	HIGH	16QAM	20.38	20.29	20.31	21.50
	50 (RB_Pos:0)	LOW	16QAM	20.31	20.32	20.31	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.35	20.64	20.28	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.24	20.82	20.32	21.50
	1 (RB_Pos:49)	HIGH	64QAM	20.10	20.71	20.40	21.50
	25 (RB_Pos:0)	LOW	64QAM	19.85	19.98	19.72	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	19.82	19.68	19.73	20.50
	25 (RB_Pos:25)	HIGH	64QAM	19.99	19.92	19.66	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.74	19.74	19.68	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18675	18900	19125	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.32	22.38	22.41	23.50
	1 (RB_Pos:38)	MIDDLE	QPSK	22.27	22.41	22.37	23.50
	1 (RB_Pos:74)	HIGH	QPSK	22.22	22.36	22.23	23.50
	36 (RB_Pos:0)	LOW	QPSK	21.35	21.47	21.39	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.39	21.43	21.39	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.38	21.42	21.31	22.50
	75 (RB_Pos:0)	LOW	QPSK	21.42	21.41	21.39	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.19	21.61	21.71	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	21.25	21.64	21.62	22.50
	1 (RB_Pos:74)	HIGH	16QAM	21.13	21.66	21.54	22.50
	36 (RB_Pos:0)	LOW	16QAM	20.31	20.35	20.26	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.36	20.32	20.30	21.50
	36 (RB_Pos:39)	HIGH	16QAM	20.35	20.22	20.25	21.50
	75 (RB_Pos:0)	LOW	16QAM	20.38	20.29	20.31	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.11	20.53	20.56	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.18	20.61	20.76	21.50
	1 (RB_Pos:74)	HIGH	64QAM	20.06	20.67	20.43	21.50
	36 (RB_Pos:0)	LOW	64QAM	19.82	19.92	19.74	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.88	19.86	19.94	20.50
	36 (RB_Pos:39)	HIGH	64QAM	19.82	19.83	19.65	20.50
	75 (RB_Pos:0)	LOW	64QAM	19.98	19.83	19.78	20.50
Bandwidth	RB Set	RB offset	Modulation	Power (dBm)			

(MHz)	Channel			18700	18900	19100	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.21	22.23	22.24	23.50
	1 (RB_Pos:50)	MIDDLE	QPSK	22.33	22.54	22.37	23.50
	1 (RB_Pos:99)	HIGH	QPSK	22.08	22.11	22.08	23.50
	50 (RB_Pos:0)	LOW	QPSK	21.27	21.33	21.33	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.36	21.34	21.24	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.36	21.31	21.16	22.50
	100 (RB_Pos:0)	LOW	QPSK	21.32	21.34	21.27	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.62	21.48	21.54	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	21.90	21.83	21.76	22.50
	1 (RB_Pos:99)	HIGH	16QAM	21.51	21.53	21.42	22.50
	50 (RB_Pos:0)	LOW	16QAM	20.32	20.34	20.30	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.34	20.34	20.29	21.50
	50 (RB_Pos:50)	HIGH	16QAM	20.34	20.34	20.14	21.50
	100 (RB_Pos:0)	LOW	16QAM	20.34	20.34	20.28	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.63	20.61	20.47	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	20.87	20.78	20.71	21.50
	1 (RB_Pos:99)	HIGH	64QAM	20.45	20.67	20.53	21.50
	50 (RB_Pos:0)	LOW	64QAM	19.87	19.71	19.94	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.98	19.96	19.86	20.50
	50 (RB_Pos:50)	HIGH	64QAM	19.89	19.74	19.75	20.50
	100 (RB_Pos:0)	LOW	64QAM	19.74	19.92	19.90	20.50

FDD LTE Band 4-ANT2							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19957	20175	20393	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	22.45	22.50	22.43	23.50
	1 (RB_Pos:3)	MIDDLE	QPSK	22.57	22.63	22.63	23.50
	1 (RB_Pos:5)	HIGH	QPSK	22.48	22.52	22.42	23.50
	3 (RB_Pos:0)	LOW	QPSK	22.68	22.70	22.56	23.50
	3 (RB_Pos:1)	MIDDLE	QPSK	22.68	22.71	22.58	23.50
	3 (RB_Pos:3)	HIGH	QPSK	22.70	22.71	22.63	23.50
	6 (RB_Pos:0)	LOW	QPSK	21.47	21.51	21.45	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.66	22.04	21.50	22.50
	1 (RB_Pos:3)	MIDDLE	16QAM	21.82	22.14	21.61	22.50
	1 (RB_Pos:5)	HIGH	16QAM	21.66	22.05	21.55	22.50
	3 (RB_Pos:0)	LOW	16QAM	21.73	21.96	21.69	22.50
	3 (RB_Pos:1)	MIDDLE	16QAM	21.71	21.91	21.75	22.50
	3 (RB_Pos:3)	HIGH	16QAM	21.73	21.92	21.77	22.50
	6 (RB_Pos:0)	LOW	16QAM	20.73	20.53	20.67	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.81	21.01	20.53	21.50
	1 (RB_Pos:3)	MIDDLE	64QAM	20.93	21.28	20.47	21.50

	1 (RB_Pos:5)	HIGH	64QAM	20.68	21.18	20.66	21.50
	3 (RB_Pos:0)	LOW	64QAM	21.34	21.53	21.33	21.50
	3 (RB_Pos:1)	MIDDLE	64QAM	21.17	21.32	21.14	21.50
	3 (RB_Pos:3)	HIGH	64QAM	21.37	21.45	21.18	21.50
	6 (RB_Pos:0)	LOW	64QAM	20.32	20.05	20.02	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19965	20175	20385	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.56	22.57	22.54	23.50
	1 (RB_Pos:8)	MIDDLE	QPSK	22.45	22.45	22.47	23.50
	1 (RB_Pos:14)	HIGH	QPSK	22.51	22.58	22.53	23.50
	8 (RB_Pos:0)	LOW	QPSK	21.61	21.60	21.49	22.50
	8 (RB_Pos:3)	MIDDLE	QPSK	21.64	21.65	21.50	22.50
	8 (RB_Pos:7)	HIGH	QPSK	21.59	21.63	21.44	22.50
	15 (RB_Pos:0)	LOW	QPSK	21.60	21.64	21.50	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.56	22.12	21.57	22.50
	1 (RB_Pos:8)	MIDDLE	16QAM	21.46	22.04	21.46	22.50
	1 (RB_Pos:14)	HIGH	16QAM	21.47	22.07	21.52	22.50
	8 (RB_Pos:0)	LOW	16QAM	20.75	20.76	20.54	21.50
	8 (RB_Pos:3)	MIDDLE	16QAM	20.75	20.75	20.55	21.50
	8 (RB_Pos:7)	HIGH	16QAM	20.71	20.70	20.52	21.50
	15 (RB_Pos:0)	LOW	16QAM	20.63	20.65	20.46	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.57	21.02	20.63	21.50
	1 (RB_Pos:8)	MIDDLE	64QAM	20.45	20.94	20.52	21.50
	1 (RB_Pos:14)	HIGH	64QAM	20.56	21.00	20.58	21.50
	8 (RB_Pos:0)	LOW	64QAM	20.29	20.25	20.07	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	20.27	20.17	19.92	20.50
	8 (RB_Pos:7)	HIGH	64QAM	20.12	20.24	20.08	20.50
	15 (RB_Pos:0)	LOW	64QAM	20.10	20.06	19.85	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19975	20175	20375	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.57	22.52	22.50	23.50
	1 (RB_Pos:13)	MIDDLE	QPSK	22.51	22.54	22.49	23.50
	1 (RB_Pos:24)	HIGH	QPSK	22.53	22.52	22.49	23.50
	12 (RB_Pos:0)	LOW	QPSK	21.63	21.62	21.51	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.63	21.67	21.54	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.61	21.66	21.52	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.62	21.65	21.52	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.83	22.19	21.62	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.78	22.20	21.58	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.80	22.17	21.60	22.50
	12 (RB_Pos:0)	LOW	16QAM	20.73	20.75	20.63	21.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.76	20.81	20.63	21.50
	12 (RB_Pos:13)	HIGH	16QAM	20.74	20.78	20.54	21.50

	25 (RB_Pos:0)	LOW	16QAM	20.72	20.72	20.50	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.85	21.24	20.54	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.64	21.21	20.51	21.50
	1 (RB_Pos:24)	HIGH	64QAM	20.85	21.05	20.59	21.50
	12 (RB_Pos:0)	LOW	64QAM	20.37	20.12	20.06	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.31	20.36	20.13	20.50
	12 (RB_Pos:13)	HIGH	64QAM	20.25	20.17	19.90	20.50
	25 (RB_Pos:0)	LOW	64QAM	20.22	20.34	20.09	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20000	20175	20350	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.54	22.49	22.48	23.50
	1 (RB_Pos:25)	MIDDLE	QPSK	22.61	22.73	22.65	23.50
	1 (RB_Pos:49)	HIGH	QPSK	22.50	22.47	22.46	23.50
	25 (RB_Pos:0)	LOW	QPSK	21.67	21.60	21.53	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.66	21.59	21.53	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.62	21.66	21.52	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.64	21.69	21.56	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.54	22.02	21.48	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.62	22.16	21.67	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.55	21.97	21.46	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.70	20.73	20.63	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.69	20.68	20.67	21.50
	25 (RB_Pos:25)	HIGH	16QAM	20.75	20.74	20.63	21.50
	50 (RB_Pos:0)	LOW	16QAM	20.68	20.74	20.58	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.54	20.93	20.43	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.77	21.16	20.76	21.50
	1 (RB_Pos:49)	HIGH	64QAM	20.45	20.89	20.33	21.50
	25 (RB_Pos:0)	LOW	64QAM	20.07	20.22	20.10	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.31	20.17	20.03	20.50
	25 (RB_Pos:25)	HIGH	64QAM	20.22	20.16	20.18	20.50
	50 (RB_Pos:0)	LOW	64QAM	20.24	20.39	20.11	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20025	20175	20325	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.52	22.52	22.45	23.50
	1 (RB_Pos:38)	MIDDLE	QPSK	22.47	22.51	22.54	23.50
	1 (RB_Pos:74)	HIGH	QPSK	22.42	22.46	22.45	23.50
	36 (RB_Pos:0)	LOW	QPSK	21.59	21.60	21.55	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.61	21.61	21.62	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.67	21.64	21.62	22.50
	75 (RB_Pos:0)	LOW	QPSK	21.65	21.65	21.65	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.55	22.03	21.94	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	21.52	21.99	21.92	22.50
	1 (RB_Pos:74)	HIGH	16QAM	21.50	21.92	21.84	22.50

	36 (RB_Pos:0)	LOW	16QAM	20.66	20.66	20.52	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.70	20.71	20.54	21.50
	36 (RB_Pos:39)	HIGH	16QAM	20.66	20.70	20.55	21.50
	75 (RB_Pos:0)	LOW	16QAM	20.67	20.70	20.56	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.41	21.06	20.98	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.48	20.97	20.94	21.50
	1 (RB_Pos:74)	HIGH	64QAM	20.45	20.91	20.78	21.50
	36 (RB_Pos:0)	LOW	64QAM	20.25	20.14	20.08	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	20.19	20.23	20.15	20.50
	36 (RB_Pos:39)	HIGH	64QAM	20.08	20.18	20.05	20.50
	75 (RB_Pos:0)	LOW	64QAM	20.28	20.22	20.13	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20050	20175	20300	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.49	22.46	22.31	23.50
	1 (RB_Pos:50)	MIDDLE	QPSK	22.73	22.67	22.52	23.50
	1 (RB_Pos:99)	HIGH	QPSK	22.34	22.42	22.29	23.50
	50 (RB_Pos:0)	LOW	QPSK	21.59	21.60	21.49	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.67	21.59	21.56	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.69	21.67	21.53	22.50
	100 (RB_Pos:0)	LOW	QPSK	21.62	21.65	21.52	22.50
	1 (RB_Pos:0)	LOW	16QAM	22.07	22.02	21.86	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	22.34	22.17	22.06	22.50
	1 (RB_Pos:99)	HIGH	16QAM	22.00	21.86	21.75	22.50
	50 (RB_Pos:0)	LOW	16QAM	20.72	20.62	20.57	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.83	20.68	20.59	21.50
	50 (RB_Pos:50)	HIGH	16QAM	20.79	20.66	20.51	21.50
	100 (RB_Pos:0)	LOW	16QAM	20.70	20.66	20.54	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.96	21.10	20.93	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	21.47	21.29	20.97	21.50
	1 (RB_Pos:99)	HIGH	64QAM	21.03	20.87	20.82	21.50
	50 (RB_Pos:0)	LOW	64QAM	20.30	20.22	20.03	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	20.38	20.23	20.23	20.50
	50 (RB_Pos:50)	HIGH	64QAM	20.23	20.26	20.06	20.50
	100 (RB_Pos:0)	LOW	64QAM	20.10	20.17	20.19	20.50

FDD LTE Band 4-ANT3							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19957	20175	20393	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	22.45	22.50	22.43	23.50
	1 (RB_Pos:3)	MIDDLE	QPSK	22.57	22.63	22.63	23.50
	1 (RB_Pos:5)	HIGH	QPSK	22.48	22.52	22.42	23.50
	3 (RB_Pos:0)	LOW	QPSK	22.68	22.70	22.56	23.50
	3 (RB_Pos:1)	MIDDLE	QPSK	22.68	22.71	22.58	23.50
	3 (RB_Pos:3)	HIGH	QPSK	22.70	22.71	22.63	23.50
	6 (RB_Pos:0)	LOW	QPSK	21.47	21.51	21.45	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.66	22.04	21.50	22.50
	1 (RB_Pos:3)	MIDDLE	16QAM	21.82	22.14	21.61	22.50
	1 (RB_Pos:5)	HIGH	16QAM	21.66	22.05	21.55	22.50
	3 (RB_Pos:0)	LOW	16QAM	21.73	21.96	21.69	22.50
	3 (RB_Pos:1)	MIDDLE	16QAM	21.71	21.91	21.75	22.50
	3 (RB_Pos:3)	HIGH	16QAM	21.73	21.92	21.77	22.50
	6 (RB_Pos:0)	LOW	16QAM	20.73	20.53	20.67	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.81	21.01	20.53	21.50
	1 (RB_Pos:3)	MIDDLE	64QAM	20.93	21.28	20.47	21.50
	1 (RB_Pos:5)	HIGH	64QAM	20.68	21.18	20.66	21.50
	3 (RB_Pos:0)	LOW	64QAM	21.34	21.53	21.33	21.50
	3 (RB_Pos:1)	MIDDLE	64QAM	21.17	21.32	21.14	21.50
	3 (RB_Pos:3)	HIGH	64QAM	21.37	21.45	21.18	21.50
	6 (RB_Pos:0)	LOW	64QAM	20.32	20.05	20.02	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19965	20175	20385	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.56	22.57	22.54	23.50
	1 (RB_Pos:8)	MIDDLE	QPSK	22.45	22.45	22.47	23.50
	1 (RB_Pos:14)	HIGH	QPSK	22.51	22.58	22.53	23.50
	8 (RB_Pos:0)	LOW	QPSK	21.61	21.60	21.49	22.50
	8 (RB_Pos:3)	MIDDLE	QPSK	21.64	21.65	21.50	22.50
	8 (RB_Pos:7)	HIGH	QPSK	21.59	21.63	21.44	22.50
	15 (RB_Pos:0)	LOW	QPSK	21.60	21.64	21.50	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.56	22.12	21.57	22.50
	1 (RB_Pos:8)	MIDDLE	16QAM	21.46	22.04	21.46	22.50
	1 (RB_Pos:14)	HIGH	16QAM	21.47	22.07	21.52	22.50
	8 (RB_Pos:0)	LOW	16QAM	20.75	20.76	20.54	21.50
	8 (RB_Pos:3)	MIDDLE	16QAM	20.75	20.75	20.55	21.50
	8 (RB_Pos:7)	HIGH	16QAM	20.71	20.70	20.52	21.50
	15 (RB_Pos:0)	LOW	16QAM	20.63	20.65	20.46	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.57	21.02	20.63	21.50
	1 (RB_Pos:8)	MIDDLE	64QAM	20.45	20.94	20.52	21.50

	1 (RB_Pos:14)	HIGH	64QAM	20.56	21.00	20.58	21.50
	8 (RB_Pos:0)	LOW	64QAM	20.29	20.25	20.07	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	20.27	20.17	19.92	20.50
	8 (RB_Pos:7)	HIGH	64QAM	20.12	20.24	20.08	20.50
	15 (RB_Pos:0)	LOW	64QAM	20.10	20.06	19.85	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19975	20175	20375	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.57	22.52	22.50	23.50
	1 (RB_Pos:13)	MIDDLE	QPSK	22.51	22.54	22.49	23.50
	1 (RB_Pos:24)	HIGH	QPSK	22.53	22.52	22.49	23.50
	12 (RB_Pos:0)	LOW	QPSK	21.63	21.62	21.51	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.63	21.67	21.54	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.61	21.66	21.52	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.62	21.65	21.52	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.83	22.19	21.62	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.78	22.20	21.58	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.80	22.17	21.60	22.50
	12 (RB_Pos:0)	LOW	16QAM	20.73	20.75	20.63	21.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.76	20.81	20.63	21.50
	12 (RB_Pos:13)	HIGH	16QAM	20.74	20.78	20.54	21.50
	25 (RB_Pos:0)	LOW	16QAM	20.72	20.72	20.50	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.85	21.24	20.54	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.64	21.21	20.51	21.50
	1 (RB_Pos:24)	HIGH	64QAM	20.85	21.05	20.59	21.50
	12 (RB_Pos:0)	LOW	64QAM	20.37	20.12	20.06	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.31	20.36	20.13	20.50
	12 (RB_Pos:13)	HIGH	64QAM	20.25	20.17	19.90	20.50
	25 (RB_Pos:0)	LOW	64QAM	20.22	20.34	20.09	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20000	20175	20350	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.54	22.49	22.48	23.50
	1 (RB_Pos:25)	MIDDLE	QPSK	22.61	22.73	22.65	23.50
	1 (RB_Pos:49)	HIGH	QPSK	22.50	22.47	22.46	23.50
	25 (RB_Pos:0)	LOW	QPSK	21.67	21.60	21.53	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.66	21.59	21.53	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.62	21.66	21.52	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.64	21.69	21.56	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.54	22.02	21.48	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.62	22.16	21.67	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.55	21.97	21.46	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.70	20.73	20.63	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.69	20.68	20.67	21.50
	25 (RB_Pos:25)	HIGH	16QAM	20.75	20.74	20.63	21.50

	50 (RB_Pos:0)	LOW	16QAM	20.68	20.74	20.58	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.54	20.93	20.43	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.77	21.16	20.76	21.50
	1 (RB_Pos:49)	HIGH	64QAM	20.45	20.89	20.33	21.50
	25 (RB_Pos:0)	LOW	64QAM	20.07	20.22	20.10	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.31	20.17	20.03	20.50
	25 (RB_Pos:25)	HIGH	64QAM	20.22	20.16	20.18	20.50
	50 (RB_Pos:0)	LOW	64QAM	20.24	20.39	20.11	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20025	20175	20325	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.52	22.52	22.45	23.50
	1 (RB_Pos:38)	MIDDLE	QPSK	22.47	22.51	22.54	23.50
	1 (RB_Pos:74)	HIGH	QPSK	22.42	22.46	22.45	23.50
	36 (RB_Pos:0)	LOW	QPSK	21.59	21.60	21.55	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.61	21.61	21.62	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.67	21.64	21.62	22.50
	75 (RB_Pos:0)	LOW	QPSK	21.65	21.65	21.65	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.55	22.03	21.94	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	21.52	21.99	21.92	22.50
	1 (RB_Pos:74)	HIGH	16QAM	21.50	21.92	21.84	22.50
	36 (RB_Pos:0)	LOW	16QAM	20.66	20.66	20.52	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.70	20.71	20.54	21.50
	36 (RB_Pos:39)	HIGH	16QAM	20.66	20.70	20.55	21.50
	75 (RB_Pos:0)	LOW	16QAM	20.67	20.70	20.56	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.41	21.06	20.98	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.48	20.97	20.94	21.50
	1 (RB_Pos:74)	HIGH	64QAM	20.45	20.91	20.78	21.50
	36 (RB_Pos:0)	LOW	64QAM	20.25	20.14	20.08	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	20.19	20.23	20.15	20.50
	36 (RB_Pos:39)	HIGH	64QAM	20.08	20.18	20.05	20.50
	75 (RB_Pos:0)	LOW	64QAM	20.28	20.22	20.13	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20050	20175	20300	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.49	22.46	22.31	23.50
	1 (RB_Pos:50)	MIDDLE	QPSK	22.73	22.67	22.52	23.50
	1 (RB_Pos:99)	HIGH	QPSK	22.34	22.42	22.29	23.50
	50 (RB_Pos:0)	LOW	QPSK	21.59	21.60	21.49	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.67	21.59	21.56	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.69	21.67	21.53	22.50
	100 (RB_Pos:0)	LOW	QPSK	21.62	21.65	21.52	22.50
	1 (RB_Pos:0)	LOW	16QAM	22.07	22.02	21.86	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	22.34	22.17	22.06	22.50
	1 (RB_Pos:99)	HIGH	16QAM	22.00	21.86	21.75	22.50

	50 (RB_Pos:0)	LOW	16QAM	20.72	20.62	20.57	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.83	20.68	20.59	21.50
	50 (RB_Pos:50)	HIGH	16QAM	20.79	20.66	20.51	21.50
	100 (RB_Pos:0)	LOW	16QAM	20.70	20.66	20.54	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.96	21.10	20.93	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	21.47	21.29	20.97	21.50
	1 (RB_Pos:99)	HIGH	64QAM	21.03	20.87	20.82	21.50
	50 (RB_Pos:0)	LOW	64QAM	20.30	20.22	20.03	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	20.38	20.23	20.23	20.50
	50 (RB_Pos:50)	HIGH	64QAM	20.23	20.26	20.06	20.50
	100 (RB_Pos:0)	LOW	64QAM	20.10	20.17	20.19	20.50

FDD LTE Band 5-ANT2&3							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20407	20525	20643	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	23.32	23.32	23.29	24.50
	1 (RB_Pos:3)	MIDDLE	QPSK	23.48	23.40	23.38	24.50
	1 (RB_Pos:5)	HIGH	QPSK	23.39	23.33	23.30	24.50
	3 (RB_Pos:0)	LOW	QPSK	23.37	23.48	23.43	24.50
	3 (RB_Pos:1)	MIDDLE	QPSK	23.43	23.37	23.40	24.50
	3 (RB_Pos:3)	HIGH	QPSK	23.37	23.40	23.44	24.50
	6 (RB_Pos:0)	LOW	QPSK	22.35	22.44	22.41	23.50
	1 (RB_Pos:0)	LOW	16QAM	22.38	22.77	22.39	23.50
	1 (RB_Pos:3)	MIDDLE	16QAM	22.54	22.87	22.43	23.50
	1 (RB_Pos:5)	HIGH	16QAM	22.43	22.76	22.31	23.50
	3 (RB_Pos:0)	LOW	16QAM	22.48	22.60	22.54	23.50
	3 (RB_Pos:1)	MIDDLE	16QAM	22.47	22.63	22.58	23.50
	3 (RB_Pos:3)	HIGH	16QAM	22.42	22.62	22.53	23.50
	6 (RB_Pos:0)	LOW	16QAM	21.56	21.37	21.56	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.38	21.63	21.44	22.50
	1 (RB_Pos:3)	MIDDLE	64QAM	21.58	21.99	21.45	22.50
	1 (RB_Pos:5)	HIGH	64QAM	21.29	21.61	21.18	22.50
	3 (RB_Pos:0)	LOW	64QAM	22.03	22.06	21.93	22.50
	3 (RB_Pos:1)	MIDDLE	64QAM	22.00	22.01	22.17	22.50
	3 (RB_Pos:3)	HIGH	64QAM	21.84	22.14	22.02	22.50
	6 (RB_Pos:0)	LOW	64QAM	20.91	20.97	20.93	21.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20415	20525	20635	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	23.40	23.35	23.37	24.50
	1 (RB_Pos:8)	MIDDLE	QPSK	23.36	23.25	23.33	24.50
	1 (RB_Pos:14)	HIGH	QPSK	23.37	23.37	23.32	24.50
	8 (RB_Pos:0)	LOW	QPSK	22.43	22.39	22.40	23.50

	8 (RB_Pos:3)	MIDDLE	QPSK	22.45	22.46	22.43	23.50
	8 (RB_Pos:7)	HIGH	QPSK	22.43	22.37	22.38	23.50
	15 (RB_Pos:0)	LOW	QPSK	22.38	22.38	22.39	23.50
	1 (RB_Pos:0)	LOW	16QAM	22.36	22.77	22.45	23.50
	1 (RB_Pos:8)	MIDDLE	16QAM	22.34	22.71	22.34	23.50
	1 (RB_Pos:14)	HIGH	16QAM	22.33	22.75	22.29	23.50
	8 (RB_Pos:0)	LOW	16QAM	21.52	21.45	21.44	22.50
	8 (RB_Pos:3)	MIDDLE	16QAM	21.55	21.47	21.46	22.50
	8 (RB_Pos:7)	HIGH	16QAM	21.47	21.45	21.37	22.50
	15 (RB_Pos:0)	LOW	16QAM	21.43	21.39	21.30	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.23	21.88	21.42	22.50
	1 (RB_Pos:8)	MIDDLE	64QAM	21.68	21.95	21.53	22.50
	1 (RB_Pos:14)	HIGH	64QAM	21.38	21.87	21.30	22.50
	8 (RB_Pos:0)	LOW	64QAM	21.88	22.01	22.07	21.50
	8 (RB_Pos:3)	MIDDLE	64QAM	21.84	22.01	22.16	21.50
	8 (RB_Pos:7)	HIGH	64QAM	21.78	22.25	22.09	21.50
	15 (RB_Pos:0)	LOW	64QAM	20.95	20.88	20.97	21.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20425	20525	20625	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	23.35	23.34	23.28	24.50
	1 (RB_Pos:13)	MIDDLE	QPSK	23.39	23.34	23.33	24.50
	1 (RB_Pos:24)	HIGH	QPSK	23.36	23.32	23.26	24.50
	12 (RB_Pos:0)	LOW	QPSK	22.43	22.40	22.39	23.50
	12 (RB_Pos:6)	MIDDLE	QPSK	22.47	22.38	22.42	23.50
	12 (RB_Pos:13)	HIGH	QPSK	22.37	22.36	22.44	23.50
	25 (RB_Pos:0)	LOW	QPSK	22.46	22.41	22.44	23.50
	1 (RB_Pos:0)	LOW	16QAM	22.54	22.90	22.42	23.50
	1 (RB_Pos:13)	MIDDLE	16QAM	22.56	22.93	22.52	23.50
	1 (RB_Pos:24)	HIGH	16QAM	22.56	22.83	22.40	23.50
	12 (RB_Pos:0)	LOW	16QAM	21.48	21.51	21.35	22.50
	12 (RB_Pos:6)	MIDDLE	16QAM	21.49	21.49	21.47	22.50
	12 (RB_Pos:13)	HIGH	16QAM	21.52	21.45	21.44	22.50
	25 (RB_Pos:0)	LOW	16QAM	21.48	21.44	21.38	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.67	21.80	21.42	22.50
	1 (RB_Pos:13)	MIDDLE	64QAM	21.45	21.81	21.40	22.50
	1 (RB_Pos:24)	HIGH	64QAM	21.62	21.82	21.46	22.50
	12 (RB_Pos:0)	LOW	64QAM	21.03	21.08	20.89	21.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.84	21.03	20.86	21.50
	12 (RB_Pos:13)	HIGH	64QAM	20.88	20.99	20.92	21.50
	25 (RB_Pos:0)	LOW	64QAM	20.89	20.82	20.76	21.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20450	20525	20600	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	23.34	23.36	23.33	24.50

	1 (RB_Pos:25)	MIDDLE	QPSK	23.41	23.43	23.37	24.50
	1 (RB_Pos:49)	HIGH	QPSK	23.37	23.39	23.33	24.50
	25 (RB_Pos:0)	LOW	QPSK	22.48	22.37	22.46	23.50
	25 (RB_Pos:12)	MIDDLE	QPSK	22.39	22.38	22.36	23.50
	25 (RB_Pos:25)	HIGH	QPSK	22.43	22.45	22.33	23.50
	50 (RB_Pos:0)	LOW	QPSK	22.46	22.39	22.44	23.50
	1 (RB_Pos:0)	LOW	16QAM	22.31	22.81	22.35	23.50
	1 (RB_Pos:25)	MIDDLE	16QAM	22.42	22.84	22.37	23.50
	1 (RB_Pos:49)	HIGH	16QAM	22.40	22.72	22.33	23.50
	25 (RB_Pos:0)	LOW	16QAM	21.49	21.42	21.55	22.50
	25 (RB_Pos:12)	MIDDLE	16QAM	21.44	21.42	21.46	22.50
	25 (RB_Pos:25)	HIGH	16QAM	21.46	21.37	21.48	22.50
	50 (RB_Pos:0)	LOW	16QAM	21.49	21.42	21.48	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.29	21.77	21.46	22.50
	1 (RB_Pos:25)	MIDDLE	64QAM	21.55	21.96	21.40	22.50
	1 (RB_Pos:49)	HIGH	64QAM	21.51	21.59	21.22	22.50
	25 (RB_Pos:0)	LOW	64QAM	20.89	20.94	20.90	21.50
	25 (RB_Pos:12)	MIDDLE	64QAM	21.08	20.79	20.88	21.50
	25 (RB_Pos:25)	HIGH	64QAM	21.10	20.72	20.98	21.50
	50 (RB_Pos:0)	LOW	64QAM	21.01	21.04	21.05	21.50

FDD LTE Band 7-ANT2							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20775	21100	21425	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.23	22.28	22.28	23.50
	1 (RB_Pos:13)	MIDDLE	QPSK	22.22	22.28	22.31	23.50
	1 (RB_Pos:24)	HIGH	QPSK	22.20	22.27	22.29	23.50
	12 (RB_Pos:0)	LOW	QPSK	21.27	21.32	21.30	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.29	21.33	21.34	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.28	21.30	21.34	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.27	21.30	21.27	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.42	21.79	21.37	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.43	21.79	21.42	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.39	21.79	21.40	22.50
	12 (RB_Pos:0)	LOW	16QAM	20.28	20.47	20.33	21.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.38	20.47	20.43	21.50
	12 (RB_Pos:13)	HIGH	16QAM	20.37	20.42	20.40	21.50
	25 (RB_Pos:0)	LOW	16QAM	20.28	20.42	20.26	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.39	20.73	20.35	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.45	20.82	20.35	21.50
	1 (RB_Pos:24)	HIGH	64QAM	20.42	20.73	20.41	21.50
	12 (RB_Pos:0)	LOW	64QAM	19.80	19.83	19.72	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	19.76	20.00	19.81	20.50

	12 (RB_Pos:13)	HIGH	64QAM	19.79	19.89	19.99	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.85	19.92	19.91	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20800	21100	21400	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.25	22.28	22.35	23.50
	1 (RB_Pos:25)	MIDDLE	QPSK	22.35	22.43	22.49	23.50
	1 (RB_Pos:49)	HIGH	QPSK	22.20	22.28	22.35	23.50
	25 (RB_Pos:0)	LOW	QPSK	21.25	21.28	21.34	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.27	21.30	21.35	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.28	21.37	21.33	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.31	21.36	21.34	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.21	21.63	21.32	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.24	21.71	21.39	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.14	21.67	21.29	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.27	20.36	20.47	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.30	20.40	20.44	21.50
	25 (RB_Pos:25)	HIGH	16QAM	20.35	20.42	20.45	21.50
	50 (RB_Pos:0)	LOW	16QAM	20.29	20.41	20.39	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.38	20.82	20.26	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.31	20.88	20.34	21.50
	1 (RB_Pos:49)	HIGH	64QAM	20.53	20.90	20.38	21.50
	25 (RB_Pos:0)	LOW	64QAM	19.72	20.10	19.79	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	19.82	19.93	20.03	20.50
	25 (RB_Pos:25)	HIGH	64QAM	19.96	20.02	19.77	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.90	19.87	19.83	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20825	21100	21375	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.38	22.23	22.32	23.50
	1 (RB_Pos:38)	MIDDLE	QPSK	22.37	22.29	22.31	23.50
	1 (RB_Pos:74)	HIGH	QPSK	22.30	22.23	22.27	23.50
	36 (RB_Pos:0)	LOW	QPSK	21.43	21.34	21.40	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.50	21.37	21.41	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.49	21.38	21.38	22.50
	75 (RB_Pos:0)	LOW	QPSK	21.46	21.35	21.38	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.35	21.62	21.66	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	21.30	21.65	21.66	22.50
	1 (RB_Pos:74)	HIGH	16QAM	21.23	21.60	21.60	22.50
	36 (RB_Pos:0)	LOW	16QAM	20.46	20.37	20.33	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.45	20.42	20.34	21.50
	36 (RB_Pos:39)	HIGH	16QAM	20.42	20.43	20.33	21.50
	75 (RB_Pos:0)	LOW	16QAM	20.47	20.38	20.38	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.49	20.69	20.41	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.54	20.72	20.55	21.50

	1 (RB_Pos:74)	HIGH	64QAM	20.49	20.65	20.42	21.50
	36 (RB_Pos:0)	LOW	64QAM	19.86	19.89	19.89	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.78	19.82	19.95	20.50
	36 (RB_Pos:39)	HIGH	64QAM	19.74	19.95	19.90	20.50
	75 (RB_Pos:0)	LOW	64QAM	19.76	20.01	19.62	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20850	21100	21350	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.15	22.21	22.10	23.50
	1 (RB_Pos:50)	MIDDLE	QPSK	22.35	22.45	22.42	23.50
	1 (RB_Pos:99)	HIGH	QPSK	22.02	22.13	22.12	23.50
	50 (RB_Pos:0)	LOW	QPSK	21.19	21.31	21.32	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.30	21.34	21.33	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.28	21.39	21.34	22.50
	100 (RB_Pos:0)	LOW	QPSK	21.22	21.35	21.33	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.64	21.62	21.51	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	21.87	21.82	21.78	22.50
	1 (RB_Pos:99)	HIGH	16QAM	21.51	21.57	21.56	22.50
	50 (RB_Pos:0)	LOW	16QAM	20.23	20.33	20.33	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.35	20.39	20.32	21.50
	50 (RB_Pos:50)	HIGH	16QAM	20.28	20.43	20.33	21.50
	100 (RB_Pos:0)	LOW	16QAM	20.29	20.41	20.34	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.40	20.75	20.40	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	20.50	20.72	20.56	21.50
	1 (RB_Pos:99)	HIGH	64QAM	20.38	20.69	20.37	21.50
	50 (RB_Pos:0)	LOW	64QAM	19.63	19.84	19.69	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.83	20.12	19.85	20.50
	50 (RB_Pos:50)	HIGH	64QAM	19.82	19.98	19.78	20.50
	100 (RB_Pos:0)	LOW	64QAM	19.65	19.90	19.83	20.50

FDD LTE Band 7-ANT3							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20775	21100	21425	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.23	22.28	22.28	23.50
	1 (RB_Pos:13)	MIDDLE	QPSK	22.22	22.28	22.31	23.50
	1 (RB_Pos:24)	HIGH	QPSK	22.20	22.27	22.29	23.50
	12 (RB_Pos:0)	LOW	QPSK	21.27	21.32	21.30	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.29	21.33	21.34	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.28	21.30	21.34	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.27	21.30	21.27	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.42	21.79	21.37	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.43	21.79	21.42	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.39	21.79	21.40	22.50

	12 (RB_Pos:0)	LOW	16QAM	20.28	20.47	20.33	21.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.38	20.47	20.43	21.50
	12 (RB_Pos:13)	HIGH	16QAM	20.37	20.42	20.40	21.50
	25 (RB_Pos:0)	LOW	16QAM	20.28	20.42	20.26	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.39	20.73	20.35	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.45	20.82	20.35	21.50
	1 (RB_Pos:24)	HIGH	64QAM	20.42	20.73	20.41	21.50
	12 (RB_Pos:0)	LOW	64QAM	19.80	19.83	19.72	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	19.76	20.00	19.81	20.50
	12 (RB_Pos:13)	HIGH	64QAM	19.79	19.89	19.99	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.85	19.92	19.91	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20800	21100	21400	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.25	22.28	22.35	23.50
	1 (RB_Pos:25)	MIDDLE	QPSK	22.35	22.43	22.49	23.50
	1 (RB_Pos:49)	HIGH	QPSK	22.20	22.28	22.35	23.50
	25 (RB_Pos:0)	LOW	QPSK	21.25	21.28	21.34	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.27	21.30	21.35	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.28	21.37	21.33	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.31	21.36	21.34	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.21	21.63	21.32	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.24	21.71	21.39	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.14	21.67	21.29	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.27	20.36	20.47	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.30	20.40	20.44	21.50
	25 (RB_Pos:25)	HIGH	16QAM	20.35	20.42	20.45	21.50
	50 (RB_Pos:0)	LOW	16QAM	20.29	20.41	20.39	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.38	20.82	20.26	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.31	20.88	20.34	21.50
	1 (RB_Pos:49)	HIGH	64QAM	20.53	20.90	20.38	21.50
	25 (RB_Pos:0)	LOW	64QAM	19.72	20.10	19.79	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	19.82	19.93	20.03	20.50
	25 (RB_Pos:25)	HIGH	64QAM	19.96	20.02	19.77	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.90	19.87	19.83	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20825	21100	21375	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.38	22.23	22.32	23.50
	1 (RB_Pos:38)	MIDDLE	QPSK	22.37	22.29	22.31	23.50
	1 (RB_Pos:74)	HIGH	QPSK	22.30	22.23	22.27	23.50
	36 (RB_Pos:0)	LOW	QPSK	21.43	21.34	21.40	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.50	21.37	21.41	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.49	21.38	21.38	22.50
	75 (RB_Pos:0)	LOW	QPSK	21.46	21.35	21.38	22.50

	1 (RB_Pos:0)	LOW	16QAM	21.35	21.62	21.66	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	21.30	21.65	21.66	22.50
	1 (RB_Pos:74)	HIGH	16QAM	21.23	21.60	21.60	22.50
	36 (RB_Pos:0)	LOW	16QAM	20.46	20.37	20.33	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.45	20.42	20.34	21.50
	36 (RB_Pos:39)	HIGH	16QAM	20.42	20.43	20.33	21.50
	75 (RB_Pos:0)	LOW	16QAM	20.47	20.38	20.38	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.49	20.69	20.41	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.54	20.72	20.55	21.50
	1 (RB_Pos:74)	HIGH	64QAM	20.49	20.65	20.42	21.50
	36 (RB_Pos:0)	LOW	64QAM	19.86	19.89	19.89	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.78	19.82	19.95	20.50
	36 (RB_Pos:39)	HIGH	64QAM	19.74	19.95	19.90	20.50
	75 (RB_Pos:0)	LOW	64QAM	19.76	20.01	19.62	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20850	21100	21350	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.15	22.21	22.10	23.50
	1 (RB_Pos:50)	MIDDLE	QPSK	22.35	22.45	22.42	23.50
	1 (RB_Pos:99)	HIGH	QPSK	22.02	22.13	22.12	23.50
	50 (RB_Pos:0)	LOW	QPSK	21.19	21.31	21.32	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.30	21.34	21.33	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.28	21.39	21.34	22.50
	100 (RB_Pos:0)	LOW	QPSK	21.22	21.35	21.33	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.64	21.62	21.51	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	21.87	21.82	21.78	22.50
	1 (RB_Pos:99)	HIGH	16QAM	21.51	21.57	21.56	22.50
	50 (RB_Pos:0)	LOW	16QAM	20.23	20.33	20.33	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.35	20.39	20.32	21.50
	50 (RB_Pos:50)	HIGH	16QAM	20.28	20.43	20.33	21.50
	100 (RB_Pos:0)	LOW	16QAM	20.29	20.41	20.34	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.40	20.75	20.40	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	20.50	20.72	20.56	21.50
	1 (RB_Pos:99)	HIGH	64QAM	20.38	20.69	20.37	21.50
	50 (RB_Pos:0)	LOW	64QAM	19.63	19.84	19.69	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.83	20.12	19.85	20.50
	50 (RB_Pos:50)	HIGH	64QAM	19.82	19.98	19.78	20.50
	100 (RB_Pos:0)	LOW	64QAM	19.65	19.90	19.83	20.50

FDD LTE Band 12-ANT2&3							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			23017	23095	23173	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	23.00	22.82	23.03	24.00
	1 (RB_Pos:3)	MIDDLE	QPSK	22.89	22.90	22.78	24.00
	1 (RB_Pos:5)	HIGH	QPSK	22.81	23.01	23.09	24.00
	3 (RB_Pos:0)	LOW	QPSK	23.07	22.97	23.00	24.00
	3 (RB_Pos:1)	MIDDLE	QPSK	23.02	23.06	22.77	24.00
	3 (RB_Pos:3)	HIGH	QPSK	23.06	22.97	23.04	24.00
	6 (RB_Pos:0)	LOW	QPSK	21.90	21.96	21.98	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.84	22.23	21.86	23.00
	1 (RB_Pos:3)	MIDDLE	16QAM	21.62	22.23	21.81	23.00
	1 (RB_Pos:5)	HIGH	16QAM	21.74	22.15	21.74	23.00
	3 (RB_Pos:0)	LOW	16QAM	21.93	22.25	21.95	23.00
	3 (RB_Pos:1)	MIDDLE	16QAM	21.85	22.24	21.69	23.00
	3 (RB_Pos:3)	HIGH	16QAM	21.66	22.21	21.89	23.00
	6 (RB_Pos:0)	LOW	16QAM	20.99	20.92	20.81	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.98	21.31	20.91	22.00
	1 (RB_Pos:3)	MIDDLE	64QAM	20.52	21.14	20.91	22.00
	1 (RB_Pos:5)	HIGH	64QAM	20.79	21.08	20.69	22.00
	3 (RB_Pos:0)	LOW	64QAM	21.00	21.20	20.95	22.00
	3 (RB_Pos:1)	MIDDLE	64QAM	20.80	21.36	20.60	22.00
	3 (RB_Pos:3)	HIGH	64QAM	20.61	21.28	20.85	22.00
	6 (RB_Pos:0)	LOW	64QAM	19.98	19.95	19.92	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			23025	23095	23165	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.95	22.95	23.01	24.00
	1 (RB_Pos:8)	MIDDLE	QPSK	22.89	22.91	22.92	24.00
	1 (RB_Pos:14)	HIGH	QPSK	22.93	22.95	23.00	24.00
	8 (RB_Pos:0)	LOW	QPSK	21.91	21.90	21.88	23.00
	8 (RB_Pos:3)	MIDDLE	QPSK	21.95	21.88	21.91	23.00
	8 (RB_Pos:7)	HIGH	QPSK	21.93	21.88	21.87	23.00
	15 (RB_Pos:0)	LOW	QPSK	21.86	21.83	21.89	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.79	22.23	21.90	23.00
	1 (RB_Pos:8)	MIDDLE	16QAM	21.73	22.17	21.76	23.00
	1 (RB_Pos:14)	HIGH	16QAM	21.81	22.19	21.81	23.00
	8 (RB_Pos:0)	LOW	16QAM	20.98	20.96	20.92	22.00
	8 (RB_Pos:3)	MIDDLE	16QAM	21.00	20.98	20.94	22.00
	8 (RB_Pos:7)	HIGH	16QAM	21.00	20.93	20.93	22.00
	15 (RB_Pos:0)	LOW	16QAM	20.88	20.87	20.83	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.90	21.11	20.94	22.00
	1 (RB_Pos:8)	MIDDLE	64QAM	20.74	21.28	20.73	22.00

	1 (RB_Pos:14)	HIGH	64QAM	20.69	21.08	20.79	22.00
	8 (RB_Pos:0)	LOW	64QAM	19.93	20.01	20.03	21.00
	8 (RB_Pos:3)	MIDDLE	64QAM	19.95	19.86	19.98	21.00
	8 (RB_Pos:7)	HIGH	64QAM	19.88	20.07	20.06	21.00
	15 (RB_Pos:0)	LOW	64QAM	19.74	19.86	19.84	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			23035	23095	23155	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.92	22.95	22.89	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	22.94	22.95	22.95	24.00
	1 (RB_Pos:24)	HIGH	QPSK	22.92	22.96	22.91	24.00
	12 (RB_Pos:0)	LOW	QPSK	21.81	21.90	21.88	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.97	21.87	21.89	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.91	21.81	21.86	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.88	21.83	21.85	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.01	22.39	21.91	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	22.05	22.34	21.95	23.00
	1 (RB_Pos:24)	HIGH	16QAM	22.03	22.34	21.91	23.00
	12 (RB_Pos:0)	LOW	16QAM	20.91	21.05	20.94	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.98	21.03	20.95	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.99	20.97	20.88	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.89	20.93	20.84	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.79	21.37	20.87	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.88	21.04	20.75	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.71	21.28	20.70	22.00
	12 (RB_Pos:0)	LOW	64QAM	19.94	19.91	19.85	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.12	19.85	19.97	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.14	20.05	19.92	21.00
	25 (RB_Pos:0)	LOW	64QAM	19.82	19.97	19.68	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			23060	23095	23130	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.91	22.96	23.00	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	23.03	22.98	23.00	24.00
	1 (RB_Pos:49)	HIGH	QPSK	22.86	22.93	22.98	24.00
	25 (RB_Pos:0)	LOW	QPSK	21.90	21.93	21.99	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.90	21.89	21.86	23.00
	25 (RB_Pos:25)	HIGH	QPSK	21.93	21.87	21.89	23.00
	50 (RB_Pos:0)	LOW	QPSK	21.93	21.92	21.93	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.72	22.22	21.91	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.86	22.27	21.93	23.00
	1 (RB_Pos:49)	HIGH	16QAM	21.70	22.17	21.82	23.00
	25 (RB_Pos:0)	LOW	16QAM	20.96	20.99	21.06	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.96	20.96	21.00	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.98	20.94	20.96	22.00

	50 (RB_Pos:0)	LOW	16QAM	20.90	20.92	20.96	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.65	21.26	20.76	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.60	21.21	20.74	22.00
	1 (RB_Pos:49)	HIGH	64QAM	20.81	21.22	20.73	22.00
	25 (RB_Pos:0)	LOW	64QAM	19.99	19.84	19.78	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.13	20.01	20.01	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.02	19.85	19.94	21.00
	50 (RB_Pos:0)	LOW	64QAM	19.80	19.75	19.83	21.00

FDD LTE Band 17-ANT2&3							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			23755	23790	23825	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.87	22.88	22.84	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	22.90	22.88	22.91	24.00
	1 (RB_Pos:24)	HIGH	QPSK	22.85	22.89	22.91	24.00
	12 (RB_Pos:0)	LOW	QPSK	21.95	21.88	21.86	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.93	21.85	21.89	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.84	21.82	21.88	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.84	21.84	21.84	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.99	22.34	21.92	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	22.08	22.32	21.93	23.00
	1 (RB_Pos:24)	HIGH	16QAM	22.01	22.32	21.96	23.00
	12 (RB_Pos:0)	LOW	16QAM	20.94	21.01	20.89	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.98	20.97	20.96	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.90	20.92	20.86	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.89	20.94	20.81	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.09	21.26	21.04	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	21.06	21.31	20.86	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.87	21.26	20.87	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.54	20.39	20.38	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.50	20.38	20.42	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.46	20.35	20.38	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.44	20.37	20.27	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			23780	23790	23800	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.91	22.93	22.97	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	23.13	22.96	23.00	24.00
	1 (RB_Pos:49)	HIGH	QPSK	22.90	22.92	22.99	24.00
	25 (RB_Pos:0)	LOW	QPSK	21.93	21.93	21.93	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.87	21.88	21.90	23.00
	25 (RB_Pos:25)	HIGH	QPSK	21.88	21.88	21.90	23.00
	50 (RB_Pos:0)	LOW	QPSK	21.91	21.96	21.93	23.00

	1 (RB_Pos:0)	LOW	16QAM	21.82	22.23	21.93	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.88	22.27	21.94	23.00
	1 (RB_Pos:49)	HIGH	16QAM	21.77	22.22	21.84	23.00
	25 (RB_Pos:0)	LOW	16QAM	20.97	21.00	21.05	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.92	20.91	21.00	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.93	20.94	20.98	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.92	20.99	20.99	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.80	21.32	20.90	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.84	21.32	20.89	22.00
	1 (RB_Pos:49)	HIGH	64QAM	20.74	21.30	20.72	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.60	20.46	20.68	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.56	20.40	20.47	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.51	20.53	20.45	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.27	20.38	20.46	21.00

FDD LTE Band 26-ANT2&3							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			26697	26865	27033	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	22.81	22.83	22.78	24.00
	1 (RB_Pos:3)	MIDDLE	QPSK	22.90	22.91	22.93	24.00
	1 (RB_Pos:5)	HIGH	QPSK	22.82	22.81	22.77	24.00
	3 (RB_Pos:0)	LOW	QPSK	22.90	22.85	22.90	24.00
	3 (RB_Pos:1)	MIDDLE	QPSK	22.91	22.92	22.94	24.00
	3 (RB_Pos:3)	HIGH	QPSK	22.86	22.90	22.94	24.00
	6 (RB_Pos:0)	LOW	QPSK	21.88	21.87	21.84	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.92	22.20	21.85	23.00
	1 (RB_Pos:3)	MIDDLE	16QAM	22.09	22.30	21.95	23.00
	1 (RB_Pos:5)	HIGH	16QAM	21.91	22.18	21.81	23.00
	3 (RB_Pos:0)	LOW	16QAM	21.91	22.04	22.03	23.00
	3 (RB_Pos:1)	MIDDLE	16QAM	21.90	22.09	22.09	23.00
	3 (RB_Pos:3)	HIGH	16QAM	21.90	22.09	22.06	23.00
	6 (RB_Pos:0)	LOW	16QAM	21.02	20.82	21.06	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.95	21.19	20.80	22.00
	1 (RB_Pos:3)	MIDDLE	64QAM	20.97	21.43	20.96	22.00
	1 (RB_Pos:5)	HIGH	64QAM	21.03	21.10	20.73	22.00
	3 (RB_Pos:0)	LOW	64QAM	21.42	21.57	21.55	22.00
	3 (RB_Pos:1)	MIDDLE	64QAM	21.46	21.58	21.74	22.00
	3 (RB_Pos:3)	HIGH	64QAM	21.42	21.59	21.51	22.00
	6 (RB_Pos:0)	LOW	64QAM	20.47	20.45	20.47	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			26705	26865	27025	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.90	22.90	22.87	24.00

	1 (RB_Pos:8)	MIDDLE	QPSK	22.91	22.85	22.85	24.00
	1 (RB_Pos:14)	HIGH	QPSK	22.88	22.89	22.92	24.00
	8 (RB_Pos:0)	LOW	QPSK	21.87	21.83	21.82	23.00
	8 (RB_Pos:3)	MIDDLE	QPSK	21.87	21.89	21.86	23.00
	8 (RB_Pos:7)	HIGH	QPSK	21.86	21.90	21.83	23.00
	15 (RB_Pos:0)	LOW	QPSK	21.82	21.82	21.82	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.75	22.16	21.83	23.00
	1 (RB_Pos:8)	MIDDLE	16QAM	21.69	22.13	21.77	23.00
	1 (RB_Pos:14)	HIGH	16QAM	21.74	22.15	21.74	23.00
	8 (RB_Pos:0)	LOW	16QAM	20.92	20.88	20.83	22.00
	8 (RB_Pos:3)	MIDDLE	16QAM	20.91	20.94	20.86	22.00
	8 (RB_Pos:7)	HIGH	16QAM	20.93	20.89	20.82	22.00
	15 (RB_Pos:0)	LOW	16QAM	20.83	20.83	20.76	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.63	21.23	21.13	22.00
	1 (RB_Pos:8)	MIDDLE	64QAM	20.68	21.27	21.15	22.00
	1 (RB_Pos:14)	HIGH	64QAM	20.75	20.88	21.21	22.00
	8 (RB_Pos:0)	LOW	64QAM	20.30	20.52	20.22	21.00
	8 (RB_Pos:3)	MIDDLE	64QAM	20.49	20.34	20.13	21.00
	8 (RB_Pos:7)	HIGH	64QAM	20.33	20.38	20.32	21.00
	15 (RB_Pos:0)	LOW	64QAM	20.44	20.54	20.22	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			26715	26865	27015	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.85	22.85	22.79	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	22.85	22.83	22.80	24.00
	1 (RB_Pos:24)	HIGH	QPSK	22.91	22.91	22.87	24.00
	12 (RB_Pos:0)	LOW	QPSK	21.88	21.83	21.87	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.87	21.86	21.84	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.87	21.82	21.82	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.87	21.87	21.84	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.00	22.30	21.85	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	21.95	22.29	21.87	23.00
	1 (RB_Pos:24)	HIGH	16QAM	22.04	22.32	21.85	23.00
	12 (RB_Pos:0)	LOW	16QAM	20.90	20.93	20.85	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.91	21.00	20.87	22.00
	12 (RB_Pos:13)	HIGH	16QAM	20.92	20.93	20.90	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.88	20.92	20.79	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.64	21.21	21.13	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.62	21.04	20.92	22.00
	1 (RB_Pos:24)	HIGH	64QAM	20.70	20.85	21.19	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.55	20.44	20.44	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.50	20.49	20.16	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.48	20.48	20.35	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.41	20.28	20.41	21.00
Bandwidth	RB Set	RB offset	Modulation	Power (dBm)			

(MHz)	Channel			26740	26865	26990	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.89	22.90	22.89	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	23.07	23.02	22.90	24.00
	1 (RB_Pos:49)	HIGH	QPSK	22.88	22.89	22.85	24.00
	25 (RB_Pos:0)	LOW	QPSK	21.94	21.84	21.92	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.87	21.86	21.79	23.00
	25 (RB_Pos:25)	HIGH	QPSK	21.94	21.86	21.82	23.00
	50 (RB_Pos:0)	LOW	QPSK	21.93	21.87	21.89	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.74	22.22	21.78	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.89	22.26	21.89	23.00
	1 (RB_Pos:49)	HIGH	16QAM	21.77	22.12	21.75	23.00
	25 (RB_Pos:0)	LOW	16QAM	20.95	20.87	21.00	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.91	20.89	20.91	22.00
	25 (RB_Pos:25)	HIGH	16QAM	20.98	20.86	20.91	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.89	20.90	20.91	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.85	21.06	21.13	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.69	21.15	20.94	22.00
	1 (RB_Pos:49)	HIGH	64QAM	20.61	20.99	21.16	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.48	20.56	20.33	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.49	20.38	20.22	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.47	20.31	20.33	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.47	20.36	20.17	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			26765	26865	26965	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.82	22.84	22.76	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	22.88	22.79	22.89	24.00
	1 (RB_Pos:74)	HIGH	QPSK	22.83	22.76	22.80	24.00
	36 (RB_Pos:0)	LOW	QPSK	22.03	21.92	21.91	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	21.95	21.93	21.91	23.00
	36 (RB_Pos:39)	HIGH	QPSK	21.95	21.93	21.86	23.00
	75 (RB_Pos:0)	LOW	QPSK	22.02	21.96	21.87	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.70	22.13	22.13	23.00
	1 (RB_Pos:38)	MIDDLE	16QAM	21.76	22.15	22.06	23.00
	1 (RB_Pos:74)	HIGH	16QAM	21.67	22.00	22.06	23.00
	36 (RB_Pos:0)	LOW	16QAM	20.93	20.91	20.79	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	20.92	20.90	20.77	22.00
	36 (RB_Pos:39)	HIGH	16QAM	20.88	20.88	20.74	22.00
	75 (RB_Pos:0)	LOW	16QAM	20.92	20.92	20.81	22.00
	1 (RB_Pos:0)	LOW	64QAM	20.78	21.19	21.19	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	20.76	21.15	21.09	22.00
	1 (RB_Pos:74)	HIGH	64QAM	20.72	21.05	20.93	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.49	20.48	20.17	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.30	20.46	20.21	21.00

	36 (RB_Pos:39)	HIGH	64QAM	20.38	20.24	20.22	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.29	20.44	20.17	21.00

FDD LTE Band 66-ANT2							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131979	132322	132665	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	22.83	22.84	22.81	24.00
	1 (RB_Pos:3)	MIDDLE	QPSK	23.04	22.95	23.03	24.00
	1 (RB_Pos:5)	HIGH	QPSK	22.84	22.85	22.81	24.00
	3 (RB_Pos:0)	LOW	QPSK	22.97	22.96	22.89	24.00
	3 (RB_Pos:1)	MIDDLE	QPSK	23.08	23.00	22.87	24.00
	3 (RB_Pos:3)	HIGH	QPSK	22.99	22.98	22.88	24.00
	6 (RB_Pos:0)	LOW	QPSK	21.89	21.92	21.89	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.01	22.23	21.76	23.00
	1 (RB_Pos:3)	MIDDLE	16QAM	22.20	22.36	21.92	23.00
	1 (RB_Pos:5)	HIGH	16QAM	22.00	22.22	21.77	23.00
	3 (RB_Pos:0)	LOW	16QAM	22.09	22.14	21.95	23.00
	3 (RB_Pos:1)	MIDDLE	16QAM	22.05	22.12	21.97	23.00
	3 (RB_Pos:3)	HIGH	16QAM	22.03	22.12	21.97	23.00
	6 (RB_Pos:0)	LOW	16QAM	21.07	20.82	21.06	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.05	21.36	20.62	22.00
	1 (RB_Pos:3)	MIDDLE	64QAM	21.18	21.39	20.88	22.00
	1 (RB_Pos:5)	HIGH	64QAM	21.02	21.13	20.82	22.00
	3 (RB_Pos:0)	LOW	64QAM	21.63	21.60	21.37	22.00
	3 (RB_Pos:1)	MIDDLE	64QAM	21.52	21.49	21.44	22.00
	3 (RB_Pos:3)	HIGH	64QAM	21.57	21.70	21.51	22.00
	6 (RB_Pos:0)	LOW	64QAM	20.66	20.44	20.44	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131987	132322	132657	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.96	22.88	22.92	24.00
	1 (RB_Pos:8)	MIDDLE	QPSK	22.82	22.85	22.83	24.00
	1 (RB_Pos:14)	HIGH	QPSK	22.81	22.87	22.90	24.00
	8 (RB_Pos:0)	LOW	QPSK	22.00	21.90	21.83	23.00
	8 (RB_Pos:3)	MIDDLE	QPSK	21.95	21.92	21.88	23.00
	8 (RB_Pos:7)	HIGH	QPSK	21.93	21.91	21.82	23.00
	15 (RB_Pos:0)	LOW	QPSK	21.92	21.89	21.86	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.92	22.27	21.82	23.00
	1 (RB_Pos:8)	MIDDLE	16QAM	21.81	22.25	21.72	23.00
	1 (RB_Pos:14)	HIGH	16QAM	21.86	22.27	21.74	23.00
	8 (RB_Pos:0)	LOW	16QAM	21.09	21.00	20.85	22.00
	8 (RB_Pos:3)	MIDDLE	16QAM	21.08	21.01	20.91	22.00
	8 (RB_Pos:7)	HIGH	16QAM	21.02	20.96	20.84	22.00

	15 (RB_Pos:0)	LOW	16QAM	20.96	20.91	20.75	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.34	21.06	21.05	22.00
	1 (RB_Pos:8)	MIDDLE	64QAM	21.64	21.41	21.45	22.00
	1 (RB_Pos:14)	HIGH	64QAM	21.44	21.26	20.95	22.00
	8 (RB_Pos:0)	LOW	64QAM	20.58	20.59	20.38	21.00
	8 (RB_Pos:3)	MIDDLE	64QAM	20.49	20.60	20.53	21.00
	8 (RB_Pos:7)	HIGH	64QAM	20.55	20.48	20.21	21.00
	15 (RB_Pos:0)	LOW	64QAM	20.41	20.35	20.30	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131997	132322	132647	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.91	22.86	22.79	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	22.86	22.88	22.80	24.00
	1 (RB_Pos:24)	HIGH	QPSK	22.81	22.85	22.80	24.00
	12 (RB_Pos:0)	LOW	QPSK	21.94	21.90	21.82	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.97	21.92	21.83	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.92	21.89	21.81	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.96	21.89	21.78	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.13	22.37	21.88	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	22.11	22.40	21.88	23.00
	1 (RB_Pos:24)	HIGH	16QAM	22.03	22.38	21.82	23.00
	12 (RB_Pos:0)	LOW	16QAM	21.01	21.06	20.91	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	21.08	21.09	20.88	22.00
	12 (RB_Pos:13)	HIGH	16QAM	21.03	21.04	20.81	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.99	20.99	20.77	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.48	21.25	21.19	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	21.70	21.42	21.33	22.00
	1 (RB_Pos:24)	HIGH	64QAM	21.49	21.25	20.92	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.57	20.42	20.42	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.53	20.61	20.49	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.51	20.39	20.38	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.47	20.29	20.35	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132022	132322	132622	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.92	22.84	22.87	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	22.99	23.02	23.08	24.00
	1 (RB_Pos:49)	HIGH	QPSK	22.87	22.81	22.82	24.00
	25 (RB_Pos:0)	LOW	QPSK	21.97	21.91	21.90	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.96	21.94	21.84	23.00
	25 (RB_Pos:25)	HIGH	QPSK	22.00	21.93	21.84	23.00
	50 (RB_Pos:0)	LOW	QPSK	22.00	21.96	21.85	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.89	22.26	21.87	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.97	22.33	21.92	23.00
	1 (RB_Pos:49)	HIGH	16QAM	21.91	22.21	21.69	23.00

	25 (RB_Pos:0)	LOW	16QAM	21.01	21.00	20.97	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	21.01	21.02	20.91	22.00
	25 (RB_Pos:25)	HIGH	16QAM	21.06	20.97	20.89	22.00
	50 (RB_Pos:0)	LOW	16QAM	21.04	20.99	20.90	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.51	21.08	21.10	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	21.79	21.31	21.46	22.00
	1 (RB_Pos:49)	HIGH	64QAM	21.30	21.26	21.00	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.62	20.42	20.57	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.63	20.37	20.54	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.47	20.46	20.29	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.65	20.38	20.34	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132047	132322	132597	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.90	22.79	22.82	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	22.90	22.84	22.84	24.00
	1 (RB_Pos:74)	HIGH	QPSK	22.77	22.81	22.77	24.00
	36 (RB_Pos:0)	LOW	QPSK	22.02	21.98	22.04	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	22.03	22.00	22.02	23.00
	36 (RB_Pos:39)	HIGH	QPSK	22.05	21.98	21.95	23.00
	75 (RB_Pos:0)	LOW	QPSK	22.04	22.00	22.05	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.92	22.26	22.18	23.00
	1 (RB_Pos:38)	MIDDLE	16QAM	21.94	22.23	22.16	23.00
	1 (RB_Pos:74)	HIGH	16QAM	21.83	22.16	22.00	23.00
	36 (RB_Pos:0)	LOW	16QAM	21.02	20.93	20.98	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	21.01	20.97	20.91	22.00
	36 (RB_Pos:39)	HIGH	16QAM	20.99	20.98	20.86	22.00
	75 (RB_Pos:0)	LOW	16QAM	21.04	20.98	20.96	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.47	21.11	20.97	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.63	21.48	21.30	22.00
	1 (RB_Pos:74)	HIGH	64QAM	21.51	21.14	20.99	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.43	20.36	20.30	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.75	20.44	20.44	21.00
	36 (RB_Pos:39)	HIGH	64QAM	20.43	20.49	20.44	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.62	20.41	20.37	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132072	132322	132572	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.84	22.73	22.65	24.00
	1 (RB_Pos:50)	MIDDLE	QPSK	23.05	23.10	22.96	24.00
	1 (RB_Pos:99)	HIGH	QPSK	22.76	22.75	22.58	24.00
	50 (RB_Pos:0)	LOW	QPSK	21.99	21.92	21.94	23.00
	50 (RB_Pos:25)	MIDDLE	QPSK	22.01	21.95	21.89	23.00
	50 (RB_Pos:50)	HIGH	QPSK	22.06	21.88	21.81	23.00
	100 (RB_Pos:0)	LOW	QPSK	21.97	21.92	21.91	23.00

	1 (RB_Pos:0)	LOW	16QAM	22.41	22.18	22.07	23.00
	1 (RB_Pos:50)	MIDDLE	16QAM	22.72	22.41	22.35	23.00
	1 (RB_Pos:99)	HIGH	16QAM	22.39	22.11	21.94	23.00
	50 (RB_Pos:0)	LOW	16QAM	21.05	20.95	20.94	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	21.10	20.98	20.90	22.00
	50 (RB_Pos:50)	HIGH	16QAM	21.06	20.93	20.80	22.00
	100 (RB_Pos:0)	LOW	16QAM	21.05	20.93	20.92	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.29	21.19	21.11	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	21.71	21.30	21.39	22.00
	1 (RB_Pos:99)	HIGH	64QAM	21.50	21.25	20.86	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.44	20.49	20.48	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.74	20.54	20.47	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.58	20.42	20.39	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.47	20.53	20.35	21.00

FDD LTE Band 66-ANT3							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131979	132322	132665	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	22.83	22.84	22.81	24.00
	1 (RB_Pos:3)	MIDDLE	QPSK	23.04	22.95	23.03	24.00
	1 (RB_Pos:5)	HIGH	QPSK	22.84	22.85	22.81	24.00
	3 (RB_Pos:0)	LOW	QPSK	22.97	22.96	22.89	24.00
	3 (RB_Pos:1)	MIDDLE	QPSK	23.08	23.00	22.87	24.00
	3 (RB_Pos:3)	HIGH	QPSK	22.99	22.98	22.88	24.00
	6 (RB_Pos:0)	LOW	QPSK	21.89	21.92	21.89	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.01	22.23	21.76	23.00
	1 (RB_Pos:3)	MIDDLE	16QAM	22.20	22.36	21.92	23.00
	1 (RB_Pos:5)	HIGH	16QAM	22.00	22.22	21.77	23.00
	3 (RB_Pos:0)	LOW	16QAM	22.09	22.14	21.95	23.00
	3 (RB_Pos:1)	MIDDLE	16QAM	22.05	22.12	21.97	23.00
	3 (RB_Pos:3)	HIGH	16QAM	22.03	22.12	21.97	23.00
	6 (RB_Pos:0)	LOW	16QAM	21.07	20.82	21.06	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.05	21.36	20.62	22.00
	1 (RB_Pos:3)	MIDDLE	64QAM	21.18	21.39	20.88	22.00
	1 (RB_Pos:5)	HIGH	64QAM	21.02	21.13	20.82	22.00
	3 (RB_Pos:0)	LOW	64QAM	21.63	21.60	21.37	22.00
	3 (RB_Pos:1)	MIDDLE	64QAM	21.52	21.49	21.44	22.00
	3 (RB_Pos:3)	HIGH	64QAM	21.57	21.70	21.51	22.00
	6 (RB_Pos:0)	LOW	64QAM	20.66	20.44	20.44	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131987	132322	132657	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.96	22.88	22.92	24.00

	1 (RB_Pos:8)	MIDDLE	QPSK	22.82	22.85	22.83	24.00
	1 (RB_Pos:14)	HIGH	QPSK	22.81	22.87	22.90	24.00
	8 (RB_Pos:0)	LOW	QPSK	22.00	21.90	21.83	23.00
	8 (RB_Pos:3)	MIDDLE	QPSK	21.95	21.92	21.88	23.00
	8 (RB_Pos:7)	HIGH	QPSK	21.93	21.91	21.82	23.00
	15 (RB_Pos:0)	LOW	QPSK	21.92	21.89	21.86	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.92	22.27	21.82	23.00
	1 (RB_Pos:8)	MIDDLE	16QAM	21.81	22.25	21.72	23.00
	1 (RB_Pos:14)	HIGH	16QAM	21.86	22.27	21.74	23.00
	8 (RB_Pos:0)	LOW	16QAM	21.09	21.00	20.85	22.00
	8 (RB_Pos:3)	MIDDLE	16QAM	21.08	21.01	20.91	22.00
	8 (RB_Pos:7)	HIGH	16QAM	21.02	20.96	20.84	22.00
	15 (RB_Pos:0)	LOW	16QAM	20.96	20.91	20.75	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.34	21.06	21.05	22.00
	1 (RB_Pos:8)	MIDDLE	64QAM	21.64	21.41	21.45	22.00
	1 (RB_Pos:14)	HIGH	64QAM	21.44	21.26	20.95	22.00
	8 (RB_Pos:0)	LOW	64QAM	20.58	20.59	20.38	21.00
	8 (RB_Pos:3)	MIDDLE	64QAM	20.49	20.60	20.53	21.00
	8 (RB_Pos:7)	HIGH	64QAM	20.55	20.48	20.21	21.00
	15 (RB_Pos:0)	LOW	64QAM	20.41	20.35	20.30	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131997	132322	132647	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.91	22.86	22.79	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	22.86	22.88	22.80	24.00
	1 (RB_Pos:24)	HIGH	QPSK	22.81	22.85	22.80	24.00
	12 (RB_Pos:0)	LOW	QPSK	21.94	21.90	21.82	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.97	21.92	21.83	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.92	21.89	21.81	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.96	21.89	21.78	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.13	22.37	21.88	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	22.11	22.40	21.88	23.00
	1 (RB_Pos:24)	HIGH	16QAM	22.03	22.38	21.82	23.00
	12 (RB_Pos:0)	LOW	16QAM	21.01	21.06	20.91	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	21.08	21.09	20.88	22.00
	12 (RB_Pos:13)	HIGH	16QAM	21.03	21.04	20.81	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.99	20.99	20.77	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.48	21.25	21.19	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	21.70	21.42	21.33	22.00
	1 (RB_Pos:24)	HIGH	64QAM	21.49	21.25	20.92	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.57	20.42	20.42	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.53	20.61	20.49	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.51	20.39	20.38	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.47	20.29	20.35	21.00
Bandwidth	RB Set	RB offset	Modulation	Power (dBm)			

(MHz)	Channel			132022	132322	132622	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.92	22.84	22.87	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	22.99	23.02	23.08	24.00
	1 (RB_Pos:49)	HIGH	QPSK	22.87	22.81	22.82	24.00
	25 (RB_Pos:0)	LOW	QPSK	21.97	21.91	21.90	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.96	21.94	21.84	23.00
	25 (RB_Pos:25)	HIGH	QPSK	22.00	21.93	21.84	23.00
	50 (RB_Pos:0)	LOW	QPSK	22.00	21.96	21.85	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.89	22.26	21.87	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.97	22.33	21.92	23.00
	1 (RB_Pos:49)	HIGH	16QAM	21.91	22.21	21.69	23.00
	25 (RB_Pos:0)	LOW	16QAM	21.01	21.00	20.97	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	21.01	21.02	20.91	22.00
	25 (RB_Pos:25)	HIGH	16QAM	21.06	20.97	20.89	22.00
	50 (RB_Pos:0)	LOW	16QAM	21.04	20.99	20.90	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.51	21.08	21.10	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	21.79	21.31	21.46	22.00
	1 (RB_Pos:49)	HIGH	64QAM	21.30	21.26	21.00	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.62	20.42	20.57	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.63	20.37	20.54	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.47	20.46	20.29	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.65	20.38	20.34	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132047	132322	132597	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.90	22.79	22.82	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	22.90	22.84	22.84	24.00
	1 (RB_Pos:74)	HIGH	QPSK	22.77	22.81	22.77	24.00
	36 (RB_Pos:0)	LOW	QPSK	22.02	21.98	22.04	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	22.03	22.00	22.02	23.00
	36 (RB_Pos:39)	HIGH	QPSK	22.05	21.98	21.95	23.00
	75 (RB_Pos:0)	LOW	QPSK	22.04	22.00	22.05	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.92	22.26	22.18	23.00
	1 (RB_Pos:38)	MIDDLE	16QAM	21.94	22.23	22.16	23.00
	1 (RB_Pos:74)	HIGH	16QAM	21.83	22.16	22.00	23.00
	36 (RB_Pos:0)	LOW	16QAM	21.02	20.93	20.98	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	21.01	20.97	20.91	22.00
	36 (RB_Pos:39)	HIGH	16QAM	20.99	20.98	20.86	22.00
	75 (RB_Pos:0)	LOW	16QAM	21.04	20.98	20.96	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.47	21.11	20.97	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.63	21.48	21.30	22.00
	1 (RB_Pos:74)	HIGH	64QAM	21.51	21.14	20.99	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.43	20.36	20.30	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.75	20.44	20.44	21.00

	36 (RB_Pos:39)	HIGH	64QAM	20.43	20.49	20.44	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.62	20.41	20.37	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132072	132322	132572	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.84	22.73	22.65	24.00
	1 (RB_Pos:50)	MIDDLE	QPSK	23.05	23.10	22.96	24.00
	1 (RB_Pos:99)	HIGH	QPSK	22.76	22.75	22.58	24.00
	50 (RB_Pos:0)	LOW	QPSK	21.99	21.92	21.94	23.00
	50 (RB_Pos:25)	MIDDLE	QPSK	22.01	21.95	21.89	23.00
	50 (RB_Pos:50)	HIGH	QPSK	22.06	21.88	21.81	23.00
	100 (RB_Pos:0)	LOW	QPSK	21.97	21.92	21.91	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.41	22.18	22.07	23.00
	1 (RB_Pos:50)	MIDDLE	16QAM	22.72	22.41	22.35	23.00
	1 (RB_Pos:99)	HIGH	16QAM	22.39	22.11	21.94	23.00
	50 (RB_Pos:0)	LOW	16QAM	21.05	20.95	20.94	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	21.10	20.98	20.90	22.00
	50 (RB_Pos:50)	HIGH	16QAM	21.06	20.93	20.80	22.00
	100 (RB_Pos:0)	LOW	16QAM	21.05	20.93	20.92	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.29	21.19	21.11	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	21.71	21.30	21.39	22.00
	1 (RB_Pos:99)	HIGH	64QAM	21.50	21.25	20.86	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.44	20.49	20.48	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.74	20.54	20.47	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.58	20.42	20.39	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.47	20.53	20.35	21.00

TDD LTE Band 38-ANT2							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37775	38000	38225	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	23.09	23.19	23.34	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	23.08	23.20	23.34	24.00
	1 (RB_Pos:24)	HIGH	QPSK	23.06	23.22	23.30	24.00
	12 (RB_Pos:0)	LOW	QPSK	22.02	22.10	22.26	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	22.07	22.13	22.27	23.00
	12 (RB_Pos:13)	HIGH	QPSK	22.01	22.12	22.24	23.00
	25 (RB_Pos:0)	LOW	QPSK	22.04	22.12	22.23	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.29	22.46	22.69	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	22.31	22.47	22.67	23.00
	1 (RB_Pos:24)	HIGH	16QAM	22.28	22.49	22.64	23.00
	12 (RB_Pos:0)	LOW	16QAM	21.08	21.12	21.35	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	21.12	21.15	21.37	22.00
	12 (RB_Pos:13)	HIGH	16QAM	21.04	21.14	21.34	22.00

	25 (RB_Pos:0)	LOW	16QAM	21.08	21.22	21.30	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.27	21.45	21.71	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	21.43	21.51	21.75	22.00
	1 (RB_Pos:24)	HIGH	64QAM	21.43	21.49	21.66	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.65	20.75	20.75	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.66	20.70	20.81	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.62	20.59	20.91	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.63	20.76	20.90	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37800	38000	38200	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	23.09	23.26	23.37	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	23.30	23.47	23.59	24.00
	1 (RB_Pos:49)	HIGH	QPSK	23.07	23.23	23.33	24.00
	25 (RB_Pos:0)	LOW	QPSK	22.06	22.17	22.27	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	22.05	22.20	22.27	23.00
	25 (RB_Pos:25)	HIGH	QPSK	22.06	22.18	22.26	23.00
	50 (RB_Pos:0)	LOW	QPSK	22.04	22.18	22.26	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.37	22.67	22.73	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	22.57	22.85	22.89	23.00
	1 (RB_Pos:49)	HIGH	16QAM	22.35	22.65	22.67	23.00
	25 (RB_Pos:0)	LOW	16QAM	21.12	21.20	21.33	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	21.10	21.23	21.33	22.00
	25 (RB_Pos:25)	HIGH	16QAM	21.11	21.22	21.29	22.00
	50 (RB_Pos:0)	LOW	16QAM	21.11	21.23	21.33	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.24	21.66	21.60	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	21.42	21.77	21.90	22.00
	1 (RB_Pos:49)	HIGH	64QAM	21.29	21.76	21.57	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.57	20.62	20.76	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.73	20.59	20.88	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.72	20.71	20.89	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.70	20.76	20.93	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37825	38000	38175	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	23.05	23.21	23.31	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	23.09	23.19	23.29	24.00
	1 (RB_Pos:74)	HIGH	QPSK	23.03	23.13	23.21	24.00
	36 (RB_Pos:0)	LOW	QPSK	22.07	22.19	22.29	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	22.07	22.22	22.29	23.00
	36 (RB_Pos:39)	HIGH	QPSK	22.09	22.21	22.25	23.00
	75 (RB_Pos:0)	LOW	QPSK	22.09	22.22	22.26	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.31	22.65	22.60	23.00
	1 (RB_Pos:38)	MIDDLE	16QAM	22.33	22.62	22.57	23.00
	1 (RB_Pos:74)	HIGH	16QAM	22.29	22.55	22.50	23.00

	36 (RB_Pos:0)	LOW	16QAM	21.03	21.15	21.23	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	21.05	21.18	21.26	22.00
	36 (RB_Pos:39)	HIGH	16QAM	21.04	21.17	21.24	22.00
	75 (RB_Pos:0)	LOW	16QAM	21.07	21.23	21.26	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.25	21.76	21.74	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.24	21.50	21.64	22.00
	1 (RB_Pos:74)	HIGH	64QAM	21.36	21.41	21.36	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.67	20.72	20.71	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.56	20.70	20.73	21.00
	36 (RB_Pos:39)	HIGH	64QAM	20.44	20.52	20.72	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.44	20.62	20.86	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37850	38000	38150	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.96	23.04	23.25	24.00
	1 (RB_Pos:50)	MIDDLE	QPSK	23.31	23.36	23.53	24.00
	1 (RB_Pos:99)	HIGH	QPSK	22.91	22.98	23.16	24.00
	50 (RB_Pos:0)	LOW	QPSK	22.00	22.10	22.18	23.00
	50 (RB_Pos:25)	MIDDLE	QPSK	22.07	22.17	22.19	23.00
	50 (RB_Pos:50)	HIGH	QPSK	22.04	22.16	22.15	23.00
	100 (RB_Pos:0)	LOW	QPSK	22.00	22.10	22.16	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.24	22.27	22.55	23.00
	1 (RB_Pos:50)	MIDDLE	16QAM	22.59	22.58	22.86	23.00
	1 (RB_Pos:99)	HIGH	16QAM	22.18	22.18	22.46	23.00
	50 (RB_Pos:0)	LOW	16QAM	21.01	21.11	21.26	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	21.04	21.21	21.25	22.00
	50 (RB_Pos:50)	HIGH	16QAM	21.07	21.18	21.22	22.00
	100 (RB_Pos:0)	LOW	16QAM	21.03	21.15	21.21	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.38	21.23	21.41	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	21.72	21.70	21.84	22.00
	1 (RB_Pos:99)	HIGH	64QAM	21.17	21.21	21.61	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.47	20.75	20.76	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.65	20.58	20.62	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.52	20.71	20.70	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.49	20.74	20.69	21.00

TDD LTE Band 38-ANT3							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37775	38000	38225	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	23.09	23.19	23.34	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	23.08	23.20	23.34	24.00
	1 (RB_Pos:24)	HIGH	QPSK	23.06	23.22	23.30	24.00
	12 (RB_Pos:0)	LOW	QPSK	22.02	22.10	22.26	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	22.07	22.13	22.27	23.00
	12 (RB_Pos:13)	HIGH	QPSK	22.01	22.12	22.24	23.00
	25 (RB_Pos:0)	LOW	QPSK	22.04	22.12	22.23	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.29	22.46	22.69	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	22.31	22.47	22.67	23.00
	1 (RB_Pos:24)	HIGH	16QAM	22.28	22.49	22.64	23.00
	12 (RB_Pos:0)	LOW	16QAM	21.08	21.12	21.35	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	21.12	21.15	21.37	22.00
	12 (RB_Pos:13)	HIGH	16QAM	21.04	21.14	21.34	22.00
	25 (RB_Pos:0)	LOW	16QAM	21.08	21.22	21.30	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.27	21.45	21.71	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	21.43	21.51	21.75	22.00
	1 (RB_Pos:24)	HIGH	64QAM	21.43	21.49	21.66	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.65	20.75	20.75	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.66	20.70	20.81	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.62	20.59	20.91	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.63	20.76	20.90	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37800	38000	38200	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	23.09	23.26	23.37	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	23.30	23.47	23.59	24.00
	1 (RB_Pos:49)	HIGH	QPSK	23.07	23.23	23.33	24.00
	25 (RB_Pos:0)	LOW	QPSK	22.06	22.17	22.27	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	22.05	22.20	22.27	23.00
	25 (RB_Pos:25)	HIGH	QPSK	22.06	22.18	22.26	23.00
	50 (RB_Pos:0)	LOW	QPSK	22.04	22.18	22.26	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.37	22.67	22.73	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	22.57	22.85	22.89	23.00
	1 (RB_Pos:49)	HIGH	16QAM	22.35	22.65	22.67	23.00
	25 (RB_Pos:0)	LOW	16QAM	21.12	21.20	21.33	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	21.10	21.23	21.33	22.00
	25 (RB_Pos:25)	HIGH	16QAM	21.11	21.22	21.29	22.00
	50 (RB_Pos:0)	LOW	16QAM	21.11	21.23	21.33	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.24	21.66	21.60	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	21.42	21.77	21.90	22.00

	1 (RB_Pos:49)	HIGH	64QAM	21.29	21.76	21.57	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.57	20.62	20.76	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.73	20.59	20.88	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.72	20.71	20.89	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.70	20.76	20.93	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37825	38000	38175	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	23.05	23.21	23.31	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	23.09	23.19	23.29	24.00
	1 (RB_Pos:74)	HIGH	QPSK	23.03	23.13	23.21	24.00
	36 (RB_Pos:0)	LOW	QPSK	22.07	22.19	22.29	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	22.07	22.22	22.29	23.00
	36 (RB_Pos:39)	HIGH	QPSK	22.09	22.21	22.25	23.00
	75 (RB_Pos:0)	LOW	QPSK	22.09	22.22	22.26	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.31	22.65	22.60	23.00
	1 (RB_Pos:38)	MIDDLE	16QAM	22.33	22.62	22.57	23.00
	1 (RB_Pos:74)	HIGH	16QAM	22.29	22.55	22.50	23.00
	36 (RB_Pos:0)	LOW	16QAM	21.03	21.15	21.23	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	21.05	21.18	21.26	22.00
	36 (RB_Pos:39)	HIGH	16QAM	21.04	21.17	21.24	22.00
	75 (RB_Pos:0)	LOW	16QAM	21.07	21.23	21.26	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.25	21.76	21.74	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.24	21.50	21.64	22.00
	1 (RB_Pos:74)	HIGH	64QAM	21.36	21.41	21.36	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.67	20.72	20.71	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.56	20.70	20.73	21.00
	36 (RB_Pos:39)	HIGH	64QAM	20.44	20.52	20.72	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.44	20.62	20.86	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37850	38000	38150	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.96	23.04	23.25	24.00
	1 (RB_Pos:50)	MIDDLE	QPSK	23.31	23.36	23.53	24.00
	1 (RB_Pos:99)	HIGH	QPSK	22.91	22.98	23.16	24.00
	50 (RB_Pos:0)	LOW	QPSK	22.00	22.10	22.18	23.00
	50 (RB_Pos:25)	MIDDLE	QPSK	22.07	22.17	22.19	23.00
	50 (RB_Pos:50)	HIGH	QPSK	22.04	22.16	22.15	23.00
	100 (RB_Pos:0)	LOW	QPSK	22.00	22.10	22.16	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.24	22.27	22.55	23.00
	1 (RB_Pos:50)	MIDDLE	16QAM	22.59	22.58	22.86	23.00
	1 (RB_Pos:99)	HIGH	16QAM	22.18	22.18	22.46	23.00
	50 (RB_Pos:0)	LOW	16QAM	21.01	21.11	21.26	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	21.04	21.21	21.25	22.00
	50 (RB_Pos:50)	HIGH	16QAM	21.07	21.18	21.22	22.00

	100 (RB_Pos:0)	LOW	16QAM	21.03	21.15	21.21	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.38	21.23	21.41	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	21.72	21.70	21.84	22.00
	1 (RB_Pos:99)	HIGH	64QAM	21.17	21.21	21.61	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.47	20.75	20.76	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.65	20.58	20.62	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.52	20.71	20.70	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.49	20.74	20.69	21.00

TDD LTE Band 41-ANT2							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40065	40765	41215	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	23.39	23.58	23.53	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	23.38	23.56	23.54	24.00
	1 (RB_Pos:24)	HIGH	QPSK	23.39	23.56	23.52	24.00
	12 (RB_Pos:0)	LOW	QPSK	22.37	22.54	22.49	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	22.38	22.52	22.47	23.00
	12 (RB_Pos:13)	HIGH	QPSK	22.34	22.53	22.48	23.00
	25 (RB_Pos:0)	LOW	QPSK	22.36	22.53	22.43	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.57	22.85	22.91	23.50
	1 (RB_Pos:13)	MIDDLE	16QAM	22.56	22.85	22.88	23.50
	1 (RB_Pos:24)	HIGH	16QAM	22.57	22.82	22.87	23.50
	12 (RB_Pos:0)	LOW	16QAM	21.39	21.53	21.55	22.50
	12 (RB_Pos:6)	MIDDLE	16QAM	21.43	21.55	21.58	22.50
	12 (RB_Pos:13)	HIGH	16QAM	21.39	21.51	21.58	22.50
	25 (RB_Pos:0)	LOW	16QAM	21.38	21.60	21.46	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.67	21.82	21.82	22.50
	1 (RB_Pos:13)	MIDDLE	64QAM	21.44	21.88	21.99	22.50
	1 (RB_Pos:24)	HIGH	64QAM	21.67	21.83	21.79	22.50
	12 (RB_Pos:0)	LOW	64QAM	20.84	20.96	20.94	21.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.97	20.96	20.96	21.50
	12 (RB_Pos:13)	HIGH	64QAM	20.94	20.77	20.93	21.50
	25 (RB_Pos:0)	LOW	64QAM	20.81	20.96	20.92	21.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40090	40765	41190	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	23.41	23.61	23.55	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	23.67	23.83	23.82	24.00
	1 (RB_Pos:49)	HIGH	QPSK	23.36	23.54	23.54	24.00
	25 (RB_Pos:0)	LOW	QPSK	22.37	22.59	22.53	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	22.39	22.57	22.50	23.00
	25 (RB_Pos:25)	HIGH	QPSK	22.42	22.58	22.47	23.00
	50 (RB_Pos:0)	LOW	QPSK	22.36	22.58	22.48	23.00

	1 (RB_Pos:0)	LOW	16QAM	22.62	23.03	22.92	23.50
	1 (RB_Pos:25)	MIDDLE	16QAM	22.87	23.25	23.14	23.50
	1 (RB_Pos:49)	HIGH	16QAM	22.61	22.96	22.85	23.50
	25 (RB_Pos:0)	LOW	16QAM	21.36	21.61	21.60	22.50
	25 (RB_Pos:12)	MIDDLE	16QAM	21.40	21.61	21.58	22.50
	25 (RB_Pos:25)	HIGH	16QAM	21.43	21.60	21.54	22.50
	50 (RB_Pos:0)	LOW	16QAM	21.36	21.61	21.60	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.55	22.12	22.03	22.50
	1 (RB_Pos:25)	MIDDLE	64QAM	21.86	22.30	22.07	22.50
	1 (RB_Pos:49)	HIGH	64QAM	21.61	21.92	21.97	22.50
	25 (RB_Pos:0)	LOW	64QAM	20.73	21.24	21.18	21.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.94	21.24	21.13	21.50
	25 (RB_Pos:25)	HIGH	64QAM	20.78	21.00	21.15	21.50
	50 (RB_Pos:0)	LOW	64QAM	20.81	21.25	20.95	21.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40115	40765	41165	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	23.36	23.58	23.49	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	23.39	23.58	23.54	24.00
	1 (RB_Pos:74)	HIGH	QPSK	23.34	23.47	23.46	24.00
	36 (RB_Pos:0)	LOW	QPSK	22.38	22.55	22.54	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	22.43	22.56	22.49	23.00
	36 (RB_Pos:39)	HIGH	QPSK	22.38	22.52	22.47	23.00
	75 (RB_Pos:0)	LOW	QPSK	22.36	22.55	22.49	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.57	23.02	22.80	23.50
	1 (RB_Pos:38)	MIDDLE	16QAM	22.62	23.00	22.82	23.50
	1 (RB_Pos:74)	HIGH	16QAM	22.60	22.90	22.73	23.50
	36 (RB_Pos:0)	LOW	16QAM	21.35	21.51	21.52	22.50
	36 (RB_Pos:20)	MIDDLE	16QAM	21.39	21.50	21.52	22.50
	36 (RB_Pos:39)	HIGH	16QAM	21.34	21.50	21.50	22.50
	75 (RB_Pos:0)	LOW	16QAM	21.37	21.52	21.51	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.62	22.15	21.72	22.50
	1 (RB_Pos:38)	MIDDLE	64QAM	21.61	22.06	21.87	22.50
	1 (RB_Pos:74)	HIGH	64QAM	21.54	21.77	21.76	22.50
	36 (RB_Pos:0)	LOW	64QAM	20.93	20.90	21.10	21.50
	36 (RB_Pos:20)	MIDDLE	64QAM	21.03	21.05	21.15	21.50
	36 (RB_Pos:39)	HIGH	64QAM	20.75	21.02	20.94	21.50
	75 (RB_Pos:0)	LOW	64QAM	20.79	20.89	21.01	21.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40140	40765	41140	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	23.33	23.45	23.58	24.00
	1 (RB_Pos:50)	MIDDLE	QPSK	23.68	23.79	23.84	24.00
	1 (RB_Pos:99)	HIGH	QPSK	23.32	23.40	23.49	24.00
	50 (RB_Pos:0)	LOW	QPSK	22.35	22.55	22.58	23.00

	50 (RB_Pos:25)	MIDDLE	QPSK	22.44	22.56	22.56	23.00
	50 (RB_Pos:50)	HIGH	QPSK	22.40	22.57	22.51	23.00
	100 (RB_Pos:0)	LOW	QPSK	22.40	22.55	22.55	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.55	22.66	22.91	23.50
	1 (RB_Pos:50)	MIDDLE	16QAM	22.94	23.02	23.18	23.50
	1 (RB_Pos:99)	HIGH	16QAM	22.56	22.59	22.79	23.50
	50 (RB_Pos:0)	LOW	16QAM	21.33	21.59	21.63	22.50
	50 (RB_Pos:25)	MIDDLE	16QAM	21.43	21.64	21.61	22.50
	50 (RB_Pos:50)	HIGH	16QAM	21.41	21.62	21.57	22.50
	100 (RB_Pos:0)	LOW	16QAM	21.40	21.61	21.58	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.66	21.74	22.01	22.50
	1 (RB_Pos:50)	MIDDLE	64QAM	21.93	22.10	22.27	22.50
	1 (RB_Pos:99)	HIGH	64QAM	21.70	21.70	21.92	22.50
	50 (RB_Pos:0)	LOW	64QAM	20.97	21.15	21.28	21.50
	50 (RB_Pos:25)	MIDDLE	64QAM	20.92	21.29	21.00	21.50
	50 (RB_Pos:50)	HIGH	64QAM	20.88	21.18	21.16	21.50
	100 (RB_Pos:0)	LOW	64QAM	20.90	20.97	20.99	21.50

TDD LTE Band 41-ANT3							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40065	40765	41215	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	23.39	23.58	23.53	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	23.38	23.56	23.54	24.00
	1 (RB_Pos:24)	HIGH	QPSK	23.39	23.56	23.52	24.00
	12 (RB_Pos:0)	LOW	QPSK	22.37	22.54	22.49	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	22.38	22.52	22.47	23.00
	12 (RB_Pos:13)	HIGH	QPSK	22.34	22.53	22.48	23.00
	25 (RB_Pos:0)	LOW	QPSK	22.36	22.53	22.43	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.57	22.85	22.91	23.50
	1 (RB_Pos:13)	MIDDLE	16QAM	22.56	22.85	22.88	23.50
	1 (RB_Pos:24)	HIGH	16QAM	22.57	22.82	22.87	23.50
	12 (RB_Pos:0)	LOW	16QAM	21.39	21.53	21.55	22.50
	12 (RB_Pos:6)	MIDDLE	16QAM	21.43	21.55	21.58	22.50
	12 (RB_Pos:13)	HIGH	16QAM	21.39	21.51	21.58	22.50
	25 (RB_Pos:0)	LOW	16QAM	21.38	21.60	21.46	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.67	21.82	21.82	22.50
	1 (RB_Pos:13)	MIDDLE	64QAM	21.44	21.88	21.99	22.50
	1 (RB_Pos:24)	HIGH	64QAM	21.67	21.83	21.79	22.50
	12 (RB_Pos:0)	LOW	64QAM	20.84	20.96	20.94	21.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.97	20.96	20.96	21.50
	12 (RB_Pos:13)	HIGH	64QAM	20.94	20.77	20.93	21.50
	25 (RB_Pos:0)	LOW	64QAM	20.81	20.96	20.92	21.50
Bandwidth	RB Set	RB offset	Modulation	Power (dBm)			

(MHz)	Channel			40090	40765	41190	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	23.41	23.61	23.55	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	23.67	23.83	23.82	24.00
	1 (RB_Pos:49)	HIGH	QPSK	23.36	23.54	23.54	24.00
	25 (RB_Pos:0)	LOW	QPSK	22.37	22.59	22.53	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	22.39	22.57	22.50	23.00
	25 (RB_Pos:25)	HIGH	QPSK	22.42	22.58	22.47	23.00
	50 (RB_Pos:0)	LOW	QPSK	22.36	22.58	22.48	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.62	23.03	22.92	23.50
	1 (RB_Pos:25)	MIDDLE	16QAM	22.87	23.25	23.14	23.50
	1 (RB_Pos:49)	HIGH	16QAM	22.61	22.96	22.85	23.50
	25 (RB_Pos:0)	LOW	16QAM	21.36	21.61	21.60	22.50
	25 (RB_Pos:12)	MIDDLE	16QAM	21.40	21.61	21.58	22.50
	25 (RB_Pos:25)	HIGH	16QAM	21.43	21.60	21.54	22.50
	50 (RB_Pos:0)	LOW	16QAM	21.36	21.61	21.60	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.55	22.12	22.03	22.50
	1 (RB_Pos:25)	MIDDLE	64QAM	21.86	22.30	22.07	22.50
	1 (RB_Pos:49)	HIGH	64QAM	21.61	21.92	21.97	22.50
	25 (RB_Pos:0)	LOW	64QAM	20.73	21.24	21.18	21.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.94	21.24	21.13	21.50
	25 (RB_Pos:25)	HIGH	64QAM	20.78	21.00	21.15	21.50
	50 (RB_Pos:0)	LOW	64QAM	20.81	21.25	20.95	21.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40115	40765	41165	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	23.36	23.58	23.49	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	23.39	23.58	23.54	24.00
	1 (RB_Pos:74)	HIGH	QPSK	23.34	23.47	23.46	24.00
	36 (RB_Pos:0)	LOW	QPSK	22.38	22.55	22.54	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	22.43	22.56	22.49	23.00
	36 (RB_Pos:39)	HIGH	QPSK	22.38	22.52	22.47	23.00
	75 (RB_Pos:0)	LOW	QPSK	22.36	22.55	22.49	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.57	23.02	22.80	23.50
	1 (RB_Pos:38)	MIDDLE	16QAM	22.62	23.00	22.82	23.50
	1 (RB_Pos:74)	HIGH	16QAM	22.60	22.90	22.73	23.50
	36 (RB_Pos:0)	LOW	16QAM	21.35	21.51	21.52	22.50
	36 (RB_Pos:20)	MIDDLE	16QAM	21.39	21.50	21.52	22.50
	36 (RB_Pos:39)	HIGH	16QAM	21.34	21.50	21.50	22.50
	75 (RB_Pos:0)	LOW	16QAM	21.37	21.52	21.51	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.62	22.15	21.72	22.50
	1 (RB_Pos:38)	MIDDLE	64QAM	21.61	22.06	21.87	22.50
	1 (RB_Pos:74)	HIGH	64QAM	21.54	21.77	21.76	22.50
	36 (RB_Pos:0)	LOW	64QAM	20.93	20.90	21.10	21.50
	36 (RB_Pos:20)	MIDDLE	64QAM	21.03	21.05	21.15	21.50

	36 (RB_Pos:39)	HIGH	64QAM	20.75	21.02	20.94	21.50
	75 (RB_Pos:0)	LOW	64QAM	20.79	20.89	21.01	21.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40140	40765	41140	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	23.33	23.45	23.58	24.00
	1 (RB_Pos:50)	MIDDLE	QPSK	23.68	23.79	23.84	24.00
	1 (RB_Pos:99)	HIGH	QPSK	23.32	23.40	23.49	24.00
	50 (RB_Pos:0)	LOW	QPSK	22.35	22.55	22.58	23.00
	50 (RB_Pos:25)	MIDDLE	QPSK	22.44	22.56	22.56	23.00
	50 (RB_Pos:50)	HIGH	QPSK	22.40	22.57	22.51	23.00
	100 (RB_Pos:0)	LOW	QPSK	22.40	22.55	22.55	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.55	22.66	22.91	23.50
	1 (RB_Pos:50)	MIDDLE	16QAM	22.94	23.02	23.18	23.50
	1 (RB_Pos:99)	HIGH	16QAM	22.56	22.59	22.79	23.50
	50 (RB_Pos:0)	LOW	16QAM	21.33	21.59	21.63	22.50
	50 (RB_Pos:25)	MIDDLE	16QAM	21.43	21.64	21.61	22.50
	50 (RB_Pos:50)	HIGH	16QAM	21.41	21.62	21.57	22.50
	100 (RB_Pos:0)	LOW	16QAM	21.40	21.61	21.58	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.66	21.74	22.01	22.50
	1 (RB_Pos:50)	MIDDLE	64QAM	21.93	22.10	22.27	22.50
	1 (RB_Pos:99)	HIGH	64QAM	21.70	21.70	21.92	22.50
	50 (RB_Pos:0)	LOW	64QAM	20.97	21.15	21.28	21.50
	50 (RB_Pos:25)	MIDDLE	64QAM	20.92	21.29	21.00	21.50
	50 (RB_Pos:50)	HIGH	64QAM	20.88	21.18	21.16	21.50
	100 (RB_Pos:0)	LOW	64QAM	20.90	20.97	20.99	21.50

8.4 WIFI

8.4.1 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test
2.4 (2.4~2.4835)	802.11b	1	2412	12.56	14.00	No
		6	2437	12.66	14.00	Yes
		11	2462	12.64	14.00	No
	802.11g	1	2412	15.79	17.00	No
		6	2437	17.72	19.00	No
		11	2462	16.03	17.00	No
	802.11n(HT20)	1	2412	14.85	16.00	No
		6	2437	17.66	19.00	No
		11	2462	15.30	16.00	No
	802.11n(HT40)	3	2422	13.77	15.00	No
		6	2437	17.81	19.00	No
		9	2452	14.21	15.00	No

Note1: This power table only apply for body-worn RF exposure condition.

Note2: According KDB 248227 section 5.2.2, the 802.11 b mode adjusted SAR is $0.025^* (79.43\text{mW}) / (25.12\text{mW}) = 0.079$ W/kg < 1.2 W/kg, so 2.4 GHz 802.11g/n OFDM SAR test is not required.

8.4.2 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test
5.2 (5.15~5.25)	802.11a	36	5180	16.04	17.00	No
		40	5200	18.68	20.00	No
		48	5240	18.76	20.00	No
	802.11n(HT20)	36	5180	15.92	17.00	No
		44	5220	18.48	20.00	No
		48	5240	18.61	20.00	No
	802.11n(HT40)	38	5190	13.17	14.00	No
		46	5230	17.32	19.00	No
	802.11ac(VHT20)	36	5180	16.34	17.00	No
		40	5200	18.57	20.00	No
		48	5240	18.62	20.00	No
	802.11ac(VHT40)	38	5190	15.85	17.00	No
		46	5230	17.27	19.00	No
	802.11ac(VHT80)	42	5210	14.06	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	18.71	20.00	No
		60	5300	18.78	20.00	Yes
		64	5320	15.65	16.00	No
	802.11n(HT20)	52	5260	18.58	20.00	No

		60	5300	18.64	20.00	No
		64	5320	14.98	16.00	No
	802.11n(HT40)	54	5270	17.32	19.00	No
		62	5310	12.23	13.00	No
	802.11ac(VHT20)	52	5260	18.54	20.00	No
		60	5300	18.56	20.00	No
		64	5320	15.43	16.00	No
	802.11ac(VHT40)	54	5270	17.30	19.00	No
		62	5310	14.26	15.00	No
	802.11ac(VHT80)	58	5290	13.54	14.00	No
5.6 (5.47~5.725)	802.11a	100	5500	15.31	16.00	No
		116	5580	18.60	20.00	Yes
		140	5700	15.76	16.00	No
	802.11n(HT20)	100	5500	14.61	15.00	No
		116	5580	18.47	20.00	No
		140	5700	15.69	16.00	No
	802.11n(HT40)	102	5510	12.55	13.00	No
		118	5590	17.25	19.00	No
		134	5670	17.27	19.00	No
	802.11ac(VHT20)	100	5500	15.23	16.00	No
		116	5580	18.40	20.00	No
		140	5700	15.12	16.00	No
	802.11ac(VHT40)	102	5510	13.01	14.00	No
		118	5590	17.27	19.00	No
		134	5670	17.16	19.00	No
	802.11ac(VHT80)	106	5530	12.17	13.00	No
		122	5610	17.02	19.00	No
5.8 (5.725~5.850)	802.11a	149	5745	18.67	20.00	No
		157	5785	18.56	20.00	No
		165	5825	18.50	20.00	No
	802.11n(HT20)	149	5745	18.48	20.00	No
		157	5785	18.38	20.00	No
		165	5825	18.37	20.00	No
	802.11n(HT40)	151	5755	17.20	19.00	No
		159	5795	17.16	19.00	No
	802.11ac(VHT20)	149	5745	18.54	20.00	No
		157	5785	18.37	20.00	No
		165	5825	18.35	20.00	No
	802.11ac(VHT40)	151	5755	17.21	19.00	No
		159	5795	17.25	19.00	No
	802.11ac(VHT80)	155	5775	17.02	19.00	Yes

8.5 Bluetooth

Mode	GFSK			$\pi/4$ -DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	10.98	12.21	10.47	10.58	11.56	10.32
Tune-Up Limit (dBm)	13.00	13.00	13.00	13.00	13.00	13.00
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	10.62	11.61	10.36	/	/	/
Tune-Up Limit (dBm)	13.00	13.00	13.00	/	/	/
Mode	BLE (1Mbps)			BLE (2Mbps)		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	5.50	7.33	6.45	5.58	7.40	6.52
Tune-Up Limit (dBm)	9.00	9.00	9.00	9.00	9.00	9.00

8.6 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	Transmitting
		conditions
Level 1	On (Head scenario)	WWAN Use Only
Level 2	On (Head scenario)	WWAN + WLAN 2.4G
Level 3	On (Head scenario)	WWAN + WLAN 5G
Level 4	Off (Body scenario)	WWAN Use Only
Level 5	Off (Body scenario)	WWAN + WLAN 2.4G
Level 6	Off (Body scenario)	WWAN + WLAN 5G

WLAN Reduced Power Level Table

Reduced level	Receiver state	Transmitting
		conditions
Level 1	On (Head scenario)	WLAN Only
Level 2	On (Head scenario)	WWAN + WLAN
Level 3	Off (Body scenario)	WLAN Only
Level 4	Off (Body scenario)	WWAN + WLAN

WWAN Antenna 2 Power Table

Mode	WWAN Antenna											
	Full Power	Head			Hotspot		Body-worn			Specific		
		Receiver on			Receiver off		Receiver off			Receiver off		
		Standalo ne	Simultaneous transmission		Simultaneous transmission		Standalo ne	Simultaneous transmission		Standalo ne	Simultaneous transmission	
			+2.4G WLAN	+5G WLAN	+2.4G WLAN	+5G WLAN		+2.4G WLAN	+5G WLAN		+2.4G WLAN	+5G WLAN
GSM 850	33.80	31.80	31.80	31.80	33.80	33.80	33.80	33.80	33.80	33.80	33.80	33.80
GPRS850 1 Tx Slot	33.80	31.80	31.80	31.80	33.80	33.80	33.80	33.80	33.80	33.80	33.80	33.80
GPRS850 2 Tx Slots	31.80	28.80	28.80	28.80	31.80	31.80	31.80	31.80	31.80	31.80	31.80	31.80
GPRS850 3 Tx Slots	30.80	26.80	26.80	26.80	30.80	30.80	30.80	30.80	30.80	30.80	30.80	30.80
GPRS850 4 Tx Slots	29.80	25.80	25.80	25.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80
EGPRS850 1 Tx Slot	29.80	25.80	25.80	25.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80
EGPRS850 2 Tx Slots	29.80	22.80	22.80	22.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80
EGPRS850 3 Tx Slots	27.80	20.80	20.80	20.80	27.80	27.80	27.80	27.80	27.80	27.80	27.80	27.80
EGPRS850 4 Tx Slots	26.80	19.80	19.80	19.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80
GSM 1900	29.00	26.50	26.50	26.50	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00
GPRS1900 1 Tx Slot	29.00	26.50	26.50	26.50	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00
GPRS1900 2 Tx Slots	26.00	24.50	24.50	24.50	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
GPRS1900 3 Tx Slots	24.00	22.50	22.50	22.50	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
GPRS1900 4 Tx Slots	23.00	21.00	21.00	21.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
EGPRS1900 1 Tx Slot	25.00	22.00	22.00	22.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 2 Tx Slots	21.00	19.00	19.00	19.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
EGPRS1900 3 Tx Slots	20.00	17.00	17.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
EGPRS1900 4 Tx Slots	18.00	16.00	16.00	16.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
WCDMA Band2 RMC	20.50	16.50	16.50	16.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-1	20.50	16.50	16.50	16.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-2	20.50	16.50	16.50	16.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-3	19.50	15.50	15.50	15.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
HSDPA Subtest-4	19.50	15.50	15.50	15.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
HSUPA Subtest-1	18.50	14.50	14.50	14.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-2	18.50	14.50	14.50	14.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-3	18.50	14.50	14.50	14.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-4	18.50	14.50	14.50	14.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-5	19.50	15.50	15.50	15.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
WCDMA Band4 RMC	20.50	17.50	17.50	17.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-1	20.50	17.50	17.50	17.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-2	20.50	17.50	17.50	17.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-3	19.50	16.50	16.50	16.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
HSDPA Subtest-4	19.50	16.50	16.50	16.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
HSUPA Subtest-1	18.50	15.50	15.50	15.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-2	18.50	15.50	15.50	15.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50

HSUPA Subtest-3	18.50	15.50	15.50	15.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-4	18.50	15.50	15.50	15.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-5	19.50	16.50	16.50	16.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
WCDMA Band5 RMC	24.50	24.50	21.50	21.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-1	22.50	22.50	19.50	19.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSDPA Subtest-2	22.50	22.50	19.50	19.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSDPA Subtest-3	22.50	22.50	19.50	19.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSDPA Subtest-4	21.50	21.50	18.50	18.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-1	21.50	21.50	18.50	18.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-2	21.50	21.50	18.50	18.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-3	21.50	21.50	18.50	18.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-4	20.50	20.50	17.50	17.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-5	22.50	22.50	19.50	19.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
LTE Band2	20.00	16.50	15.50	15.50	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
LTE Band4	21.50	21.50	21.50	21.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
LTE Band5	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band7	17.50	16.50	15.50	15.50	15.50	15.50	17.50	15.50	15.50	17.50	15.50	15.50
LTE Band12	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band17	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band26	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band66	21.00	20.00	19.00	19.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
LTE Band38	20.50	18.50	18.50	18.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
LTE Band41	20.50	18.50	18.50	18.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50

WWAN Antenna 3 Power Table

Mode	WWAN Antenna											
	Full Power	Head			Hotspot		Body-worn			Specific		
		Receiver on			Receiver off		Receiver off			Receiver off		
		Standalo ne	Simultaneous transmission		Simultaneous transmission		Standalo ne	Simultaneous transmission		Standalo ne	Simultaneous transmission	
			+2.4G WLAN	+5G WLAN	+2.4G WLAN	+5G WLAN		+2.4G WLAN	+5G WLAN		+2.4G WLAN	+5G WLAN
GSM 850	33.80	33.80	33.80	33.80	32.80	32.80	32.80	32.80	32.80	32.80	32.80	32.80
GPRS850 1 Tx Slot	33.80	33.80	33.80	33.80	32.80	32.80	32.80	32.80	32.80	32.80	32.80	32.80
GPRS850 2 Tx Slots	31.80	31.80	31.80	31.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80
GPRS850 3 Tx Slots	30.80	30.80	30.80	30.80	27.80	27.80	27.80	27.80	27.80	27.80	27.80	27.80
GPRS850 4 Tx Slots	29.80	29.80	29.80	29.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80
EGPRS850 1 Tx Slot	29.80	29.80	29.80	29.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80
EGPRS850 2 Tx Slots	29.80	29.80	29.80	29.80	22.80	22.80	22.80	22.80	22.80	22.80	22.80	22.80
EGPRS850 3 Tx Slots	27.80	27.80	27.80	27.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80
EGPRS850 4 Tx Slots	26.80	26.80	26.80	26.80	19.80	19.80	19.80	19.80	19.80	19.80	19.80	19.80
GSM 1900	31.00	31.00	31.00	31.00	29.00	29.00	31.00	29.00	29.00	31.00	29.00	29.00
GPRS1900 1 Tx Slot	31.00	31.00	31.00	31.00	29.00	29.00	31.00	29.00	29.00	31.00	29.00	29.00
GPRS1900 2 Tx Slots	30.00	30.00	30.00	30.00	26.00	26.00	30.00	26.00	26.00	30.00	26.00	26.00
GPRS1900 3 Tx Slots	27.00	27.00	27.00	27.00	24.00	24.00	27.00	24.00	24.00	27.00	24.00	24.00
GPRS1900 4 Tx Slots	26.00	26.00	26.00	26.00	23.00	23.00	26.00	23.00	23.00	26.00	23.00	23.00
EGPRS1900 1 Tx Slot	29.00	29.00	29.00	29.00	25.00	25.00	29.00	25.00	25.00	29.00	25.00	25.00
EGPRS1900 2 Tx Slots	28.00	28.00	28.00	28.00	21.00	21.00	28.00	21.00	21.00	28.00	21.00	21.00
EGPRS1900 3 Tx Slots	26.00	26.00	26.00	26.00	20.00	20.00	26.00	20.00	20.00	26.00	20.00	20.00
EGPRS1900 4 Tx Slots	25.00	25.00	25.00	25.00	18.00	18.00	25.00	18.00	18.00	25.00	18.00	18.00
WCDMA Band2 RMC	23.50	23.50	23.50	23.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-1	23.50	23.50	23.50	23.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-2	23.50	23.50	23.50	23.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-3	22.50	22.50	22.50	22.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
HSDPA Subtest-4	22.50	22.50	22.50	22.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
HSUPA Subtest-1	21.50	21.50	21.50	21.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-2	21.50	21.50	21.50	21.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-3	21.50	21.50	21.50	21.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-4	21.50	21.50	21.50	21.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-5	22.50	22.50	22.50	22.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
WCDMA Band4 RMC	23.50	23.50	23.50	23.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-1	23.50	23.50	23.50	23.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-2	23.50	23.50	23.50	23.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-3	22.50	22.50	22.50	22.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
HSDPA Subtest-4	22.50	22.50	22.50	22.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
HSUPA Subtest-1	21.50	21.50	21.50	21.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-2	21.50	21.50	21.50	21.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50

HSUPA Subtest-3	21.50	21.50	21.50	21.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-4	21.50	21.50	21.50	21.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-5	22.50	22.50	22.50	22.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
WCDMA Band5 RMC	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSDPA Subtest-2	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSDPA Subtest-3	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSDPA Subtest-4	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-1	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-2	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-3	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-4	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-5	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
LTE Band2	23.50	23.50	23.50	23.50	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
LTE Band4	23.50	23.50	23.50	23.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
LTE Band5	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band7	23.50	23.50	23.50	23.50	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
LTE Band12	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band17	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band26	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band66	24.00	24.00	24.00	24.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
LTE Band38	24.00	24.00	24.00	24.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
LTE Band41	24.00	24.00	24.00	24.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00

WLAN Antenna Power Table

Mode	WLAN Antenna(Tune-Up Power)							
	Full Power	Head		Hotspot	Body-worn		Specific	
		Receiver on		Receiver off	Receiver off		Receiver off	
		Standalone	Simultaneous transmission	Simultaneous transmission	Standalone	Simultaneous transmission	Standalone	Simultaneous transmission
			WWAN+WLAN	WWAN+WLAN		WWAN+WLAN		WWAN+WLAN
2.4G WLAN 802.11b	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
2.4G WLAN 802.11g	19.00	15.00	15.00	16.00	19.00	16.00	19.00	16.00
2.4G WLAN 802.11n20	19.00	15.00	15.00	16.00	19.00	16.00	19.00	16.00
2.4G WLAN 802.11n40	19.00	15.00	15.00	16.00	19.00	16.00	19.00	16.00
5.2G WLAN 802.11a	20.00	12.00	8.50	12.00	20.00	12.00	20.00	12.00
5.2G WLAN 802.11n20	20.00	12.00	8.50	12.00	20.00	12.00	20.00	12.00
5.2G WLAN 802.11n40	19.00	11.00	7.50	11.00	19.00	11.00	19.00	11.00
5.2G WLAN 802.11ac20	20.00	12.00	8.50	12.00	20.00	12.00	20.00	12.00
5.2G WLAN 802.11ac40	19.00	11.00	7.50	11.00	19.00	11.00	19.00	11.00
5.2G WLAN 802.11ac80	19.00	11.00	7.50	11.00	19.00	11.00	19.00	11.00
5.23G WLAN 802.11a	20.00	12.00	8.50	12.00	20.00	12.00	20.00	12.00
5.3G WLAN 802.11n20	20.00	12.00	8.50	12.00	20.00	12.00	20.00	12.00
5.3G WLAN 802.11n40	19.00	11.00	7.50	11.00	19.00	11.00	19.00	11.00
5.3G WLAN 802.11ac20	20.00	12.00	8.50	12.00	20.00	12.00	20.00	12.00
5.3G WLAN 802.11ac40	19.00	11.00	7.50	11.00	19.00	11.00	19.00	11.00
5.3G WLAN 802.11ac80	19.00	11.00	7.50	11.00	19.00	11.00	19.00	11.00
5.6G WLAN 802.11a	20.00	12.00	8.50	12.00	20.00	12.00	20.00	12.00
5.6G WLAN 802.11n20	20.00	12.00	8.50	12.00	20.00	12.00	20.00	12.00
5.6G WLAN 802.11n40	19.00	11.00	7.50	11.00	19.00	11.00	19.00	11.00
5.6G WLAN 802.11ac20	20.00	12.00	8.50	12.00	20.00	12.00	20.00	12.00
5.6G WLAN 802.11ac40	19.00	11.00	7.50	11.00	19.00	11.00	19.00	11.00
5.6G WLAN 802.11ac80	19.00	11.00	7.50	11.00	19.00	11.00	19.00	11.00
5.8G WLAN 802.11a	16.00	10.50	9.00	11.00	16.00	11.00	16.00	11.00
5.8G WLAN 802.11n20	16.00	10.50	9.00	11.00	16.00	11.00	16.00	11.00
5.8G WLAN 802.11n40	16.00	10.50	9.00	11.00	16.00	11.00	16.00	11.00
5.8G WLAN 802.11ac20	16.00	10.50	9.00	11.00	16.00	11.00	16.00	11.00
5.8G WLAN 802.11ac40	16.00	10.50	9.00	11.00	16.00	11.00	16.00	11.00
5.8G LAN 802.11ac80	16.00	10.50	9.00	11.00	16.00	11.00	16.00	11.00
Bluetooth	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00

8.6.1 Power Reduced Level 1&2&3-ANT2 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)	31.11	31.27	31.04	31.80	21.92	22.08	21.85	22.61
GPRS (GMSK, 1-Slot)	31.00	31.16	30.94	31.80	21.81	21.97	21.75	22.61
GPRS (GMSK, 2-Slots)	28.10	28.32	27.99	28.80	21.97	22.19	21.86	22.67
GPRS (GMSK, 3-Slots)	26.37	26.59	26.22	26.80	21.95	22.17	21.80	22.38
GPRS (GMSK, 4-Slots)	25.06	25.31	24.94	25.80	21.88	22.13	21.76	22.62
EGPRS (8PSK, 1-Slot)	24.73	24.80	24.85	25.80	15.54	15.61	15.66	16.61
EGPRS (8PSK, 2-Slots)	21.39	21.61	21.82	22.80	15.26	15.48	15.69	16.67
EGPRS (8PSK, 3-Slots)	19.46	19.49	19.77	20.80	15.04	15.07	15.35	16.38
EGPRS (8PSK, 4-Slots)	18.12	18.99	18.23	19.80	14.94	15.81	15.05	16.62

8.6.2 Power Reduced Level 4&5&6-ANT2 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)	32.97	33.02	32.91	33.80	23.78	23.83	23.72	24.61
GPRS (GMSK, 1-Slot)	33.04	33.09	32.98	33.80	23.85	23.90	23.79	24.61
GPRS (GMSK, 2-Slots)	30.94	31.08	30.98	31.80	24.81	24.95	24.85	25.67
GPRS (GMSK, 3-Slots)	29.04	29.18	29.06	30.80	24.62	24.76	24.64	26.38
GPRS (GMSK, 4-Slots)	28.12	28.27	28.15	29.80	24.94	25.09	24.97	26.62
EGPRS (8PSK, 1-Slot)	29.55	29.60	29.76	29.80	20.36	20.41	20.57	20.61
EGPRS (8PSK, 2-Slots)	28.50	28.50	28.59	29.80	22.37	22.37	22.46	23.67
EGPRS (8PSK, 3-Slots)	26.52	26.60	26.56	27.80	22.10	22.18	22.14	23.38
EGPRS (8PSK, 4-Slots)	25.44	25.48	25.60	26.80	22.26	22.30	22.42	23.62

8.6.3 Power Reduced Level 1&2&3-ANT3 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)	32.97	33.02	32.91	33.80	23.78	23.83	23.72	24.61
GPRS (GMSK, 1-Slot)	33.04	33.09	32.98	33.80	23.85	23.90	23.79	24.61
GPRS (GMSK, 2-Slots)	30.94	31.08	30.98	31.80	24.81	24.95	24.85	25.67
GPRS (GMSK, 3-Slots)	29.04	29.18	29.06	30.80	24.62	24.76	24.64	26.38
GPRS (GMSK, 4-Slots)	28.12	28.27	28.15	29.80	24.94	25.09	24.97	26.62
EGPRS (8PSK, 1-Slot)	29.55	29.60	29.76	29.80	20.36	20.41	20.57	20.61
EGPRS (8PSK, 2-Slots)	28.50	28.50	28.59	29.80	22.37	22.37	22.46	23.67
EGPRS (8PSK, 3-Slots)	26.52	26.60	26.56	27.80	22.10	22.18	22.14	23.38
EGPRS (8PSK, 4-Slots)	25.44	25.48	25.60	26.80	22.26	22.30	22.42	23.62

8.6.4 Power Reduced Level 4&5&6-ANT3 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)	31.78	31.90	31.88	32.80	22.59	22.71	22.69	23.61
GPRS (GMSK, 1-Slot)	31.92	31.78	31.91	32.80	22.73	22.59	22.72	23.61
GPRS (GMSK, 2-Slots)	28.73	28.88	28.68	29.80	22.60	22.75	22.55	23.67
GPRS (GMSK, 3-Slots)	27.00	27.14	26.94	27.80	22.58	22.72	22.52	23.38
GPRS (GMSK, 4-Slots)	25.76	25.92	25.68	26.80	22.58	22.74	22.50	23.62
EGPRS (8PSK, 1-Slot)	25.46	25.69	25.50	26.80	16.27	16.50	16.31	17.61
EGPRS (8PSK, 2-Slots)	22.31	22.35	22.42	22.80	16.18	16.22	16.29	16.67
EGPRS (8PSK, 3-Slots)	20.16	21.22	21.26	20.80	15.74	16.80	16.84	16.38
EGPRS (8PSK, 4-Slots)	18.79	18.75	18.88	19.80	15.61	15.57	15.70	16.62

8.6.5 Power Reduced Level 1&2&3-ANT2 of GSM 1900

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)	26.13	26.19	26.15	26.50	16.94	17.00	16.96	17.31
GPRS (GMSK, 1-Slot)	26.17	26.21	26.17	26.50	16.98	17.02	16.98	17.31
GPRS (GMSK, 2-Slots)	23.50	23.63	23.46	24.50	17.37	17.50	17.33	18.37
GPRS (GMSK, 3-Slots)	21.45	21.50	21.41	22.50	17.03	17.08	16.99	18.08
GPRS (GMSK, 4-Slots)	20.19	20.24	20.14	21.00	17.01	17.06	16.96	17.82
EGPRS (8PSK, 1-Slot)	21.66	21.51	21.67	22.00	12.47	12.32	12.48	12.81
EGPRS (8PSK, 2-Slots)	18.41	18.37	18.29	19.00	12.28	12.24	12.16	12.87
EGPRS (8PSK, 3-Slots)	16.50	16.43	16.44	17.00	12.08	12.01	12.02	12.58
EGPRS (8PSK, 4-Slots)	15.54	14.97	15.03	16.00	12.36	11.79	11.85	12.82

8.6.6 Power Reduced Level 4&5&6-ANT2 of GSM 1900

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)	28.61	28.67	28.61	29.00	19.42	19.48	19.42	19.81
GPRS (GMSK, 1-Slot)	28.62	28.66	28.59	29.00	19.43	19.47	19.40	19.81
GPRS (GMSK, 2-Slots)	25.66	25.71	25.65	26.00	19.53	19.58	19.52	19.87
GPRS (GMSK, 3-Slots)	23.92	23.98	23.88	24.00	19.50	19.56	19.46	19.58
GPRS (GMSK, 4-Slots)	22.63	22.68	22.58	23.00	19.45	19.50	19.40	19.82
EGPRS (8PSK, 1-Slot)	23.99	24.13	24.03	25.00	14.80	14.94	14.84	15.81
EGPRS (8PSK, 2-Slots)	20.84	20.87	20.70	21.00	14.71	14.74	14.57	14.87
EGPRS (8PSK, 3-Slots)	18.89	19.06	19.42	20.00	14.47	14.64	15.00	15.58
EGPRS (8PSK, 4-Slots)	17.49	17.47	17.47	18.00	14.31	14.29	14.29	14.82

8.6.7 Power Reduced Level 1&2&3-ANT3 of GSM 1900

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)	30.34	30.34	30.30	31.00	21.15	21.15	21.11	21.81
GPRS (GMSK, 1-Slot)	30.37	30.40	30.35	31.00	21.18	21.21	21.16	21.81
GPRS (GMSK, 2-Slots)	28.20	28.26	28.30	30.00	22.07	22.13	22.17	23.87
GPRS (GMSK, 3-Slots)	26.21	26.26	26.32	27.00	21.79	21.84	21.90	22.58
GPRS (GMSK, 4-Slots)	25.25	25.30	25.35	26.00	22.07	22.12	22.17	22.82
EGPRS (8PSK, 1-Slot)	28.50	28.62	28.75	29.00	19.31	19.43	19.56	19.81
EGPRS (8PSK, 2-Slots)	27.56	27.56	27.62	28.00	21.43	21.43	21.49	21.87
EGPRS (8PSK, 3-Slots)	25.46	25.36	25.62	26.00	21.04	20.94	21.20	21.58
EGPRS (8PSK, 4-Slots)	24.34	24.33	24.46	25.00	21.16	21.15	21.28	21.82

8.6.8 Power Reduced Level 4&5&6-ANT3 of GSM 1900

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)	28.31	28.32	28.24	29.00	19.12	19.13	19.05	19.81
GPRS (GMSK, 1-Slot)	28.27	28.17	28.24	29.00	19.08	18.98	19.05	19.81
GPRS (GMSK, 2-Slots)	25.27	25.21	25.36	26.00	19.14	19.08	19.23	19.87
GPRS (GMSK, 3-Slots)	23.31	23.28	23.23	24.00	18.89	18.86	18.81	19.58
GPRS (GMSK, 4-Slots)	22.28	22.31	22.35	23.00	19.10	19.13	19.17	19.82
EGPRS (8PSK, 1-Slot)	24.24	24.30	24.42	25.00	15.05	15.11	15.23	15.81
EGPRS (8PSK, 2-Slots)	20.30	20.22	20.20	21.00	14.17	14.09	14.07	14.87
EGPRS (8PSK, 3-Slots)	19.39	19.35	19.24	20.00	14.97	14.93	14.82	15.58
EGPRS (8PSK, 4-Slots)	17.31	17.15	17.44	18.00	14.13	13.97	14.26	14.82

8.6.9 Power Reduced Level 1&2&3-ANT2 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	16.27	16.30	16.21	16.50
HSDPA Subtest-1	16.31	16.36	16.28	16.50
HSDPA Subtest-2	16.27	16.34	16.26	16.50
HSDPA Subtest-3	15.43	15.42	15.32	15.50
HSDPA Subtest-4	15.36	15.40	15.33	15.50
HSUPA Subtest-1	14.04	14.02	13.98	14.50
HSUPA Subtest-2	14.28	14.29	14.24	14.50
HSUPA Subtest-3	14.33	14.31	14.23	14.50
HSUPA Subtest-4	13.83	13.81	13.73	14.50
HSUPA Subtest-5	15.31	15.30	15.22	15.50

8.6.10 Power Reduced Level 4&5&6-ANT2 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	19.78	19.80	19.77	20.50
HSDPA Subtest-1	19.81	19.83	19.74	20.50
HSDPA Subtest-2	19.81	19.79	19.72	20.50
HSDPA Subtest-3	19.30	19.32	19.24	19.50
HSDPA Subtest-4	19.30	19.30	19.26	19.50
HSUPA Subtest-1	17.57	17.55	17.50	18.50
HSUPA Subtest-2	17.79	17.82	17.78	18.50
HSUPA Subtest-3	17.81	17.82	17.77	18.50
HSUPA Subtest-4	17.35	17.35	17.27	18.50
HSUPA Subtest-5	18.79	18.77	18.73	19.50

8.6.11 Power Reduced Level 1&2&3-ANT3 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	22.71	22.67	22.69	23.50
HSDPA Subtest-1	22.19	22.18	22.17	23.50
HSDPA Subtest-2	22.18	22.13	22.13	23.50
HSDPA Subtest-3	21.70	21.62	21.63	22.50
HSDPA Subtest-4	21.68	21.59	21.60	22.50
HSUPA Subtest-1	20.75	20.64	20.64	21.50
HSUPA Subtest-2	20.72	20.65	20.64	21.50
HSUPA Subtest-3	20.70	20.66	20.62	21.50
HSUPA Subtest-4	20.25	20.20	20.18	21.50
HSUPA Subtest-5	21.68	21.63	21.62	22.50

8.6.12 Power Reduced Level 4&5&6-ANT3 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	19.78	19.80	19.77	20.50
HSDPA Subtest-1	19.81	19.83	19.74	20.50
HSDPA Subtest-2	19.81	19.79	19.72	20.50
HSDPA Subtest-3	19.30	19.32	19.24	19.50
HSDPA Subtest-4	19.30	19.30	19.26	19.50
HSUPA Subtest-1	17.57	17.55	17.50	18.50
HSUPA Subtest-2	17.79	17.82	17.78	18.50
HSUPA Subtest-3	17.81	17.82	17.77	18.50
HSUPA Subtest-4	17.35	17.35	17.27	18.50
HSUPA Subtest-5	18.79	18.77	18.73	19.50

8.6.13 Power Reduced Level 1&2&3-ANT2 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	17.28	17.30	17.23	17.50
HSDPA Subtest-1	17.31	17.31	17.25	17.50
HSDPA Subtest-2	17.30	17.29	17.23	17.50
HSDPA Subtest-3	16.45	16.39	16.36	16.50
HSDPA Subtest-4	16.40	16.36	16.31	16.50
HSUPA Subtest-1	15.06	15.07	15.01	15.50
HSUPA Subtest-2	15.35	15.31	15.25	15.50
HSUPA Subtest-3	15.36	15.35	15.26	15.50
HSUPA Subtest-4	14.85	14.83	14.77	15.50
HSUPA Subtest-5	16.29	16.27	16.23	16.50

8.6.14 Power Reduced Level 4&5&6-ANT2 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	20.29	20.29	20.22	20.50
HSDPA Subtest-1	20.32	20.31	20.26	20.50
HSDPA Subtest-2	20.28	20.31	20.25	20.50
HSDPA Subtest-3	19.78	19.78	19.74	19.50
HSDPA Subtest-4	19.77	19.81	19.72	19.50
HSUPA Subtest-1	18.06	18.05	18.00	18.50
HSUPA Subtest-2	18.36	18.32	18.28	18.50
HSUPA Subtest-3	18.32	18.34	18.24	18.50
HSUPA Subtest-4	17.84	17.86	17.78	18.50
HSUPA Subtest-5	19.25	19.27	19.18	19.50

8.6.15 Power Reduced Level 1&2&3-ANT3 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	22.76	22.70	22.64	23.50
HSDPA Subtest-1	22.28	22.25	22.16	23.50
HSDPA Subtest-2	22.24	22.22	22.11	23.50
HSDPA Subtest-3	21.77	21.75	21.62	22.50
HSDPA Subtest-4	21.71	21.70	21.62	22.50
HSUPA Subtest-1	20.75	20.73	20.62	21.50
HSUPA Subtest-2	20.75	20.73	20.61	21.50
HSUPA Subtest-3	20.73	20.69	20.59	21.50
HSUPA Subtest-4	20.25	20.25	20.12	21.50
HSUPA Subtest-5	21.72	21.67	21.57	22.50

8.6.16 Power Reduced Level 4&5&6-ANT3 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	20.29	20.29	20.22	20.50
HSDPA Subtest-1	20.32	20.31	20.26	20.50
HSDPA Subtest-2	20.28	20.31	20.25	20.50
HSDPA Subtest-3	19.78	19.78	19.74	19.50
HSDPA Subtest-4	19.77	19.81	19.72	19.50
HSUPA Subtest-1	18.06	18.05	18.00	18.50
HSUPA Subtest-2	18.36	18.32	18.28	18.50
HSUPA Subtest-3	18.32	18.34	18.24	18.50
HSUPA Subtest-4	17.84	17.86	17.78	18.50
HSUPA Subtest-5	19.25	19.27	19.18	19.50

8.6.17 Power Reduced Level 1-ANT2 of WCDMA Band 5

WCDMA	Band 5			
Channel	4132	4182	4233	Tune-up Limit (dBm)
RMC 12.2Kbps	23.11	23.04	23.01	24.50
HSDPA Subtest-1	21.61	21.57	21.50	22.50
HSDPA Subtest-2	21.63	21.54	21.44	22.50
HSDPA Subtest-3	21.13	21.01	20.94	22.50
HSDPA Subtest-4	21.14	20.97	20.93	21.50
HSUPA Subtest-1	20.56	20.50	20.42	21.50
HSUPA Subtest-2	20.10	20.03	19.99	21.50
HSUPA Subtest-3	20.60	20.59	20.51	21.50
HSUPA Subtest-4	19.64	19.55	19.47	20.50
HSUPA Subtest-5	21.55	21.51	21.44	22.50

8.6.18 Power Reduced Level 2&3-ANT2 of WCDMA Band 5

WCDMA	Band 5			
Channel	4132	4182	4233	Tune-up Limit (dBm)
RMC 12.2Kbps	20.11	20.05	19.92	21.50
HSDPA Subtest-1	18.55	18.72	18.53	19.50
HSDPA Subtest-2	18.50	18.53	18.58	19.50
HSDPA Subtest-3	18.09	18.14	17.96	19.50
HSDPA Subtest-4	18.22	18.09	17.85	18.50
HSUPA Subtest-1	17.50	17.39	17.28	18.50
HSUPA Subtest-2	17.00	16.95	17.13	18.50
HSUPA Subtest-3	17.53	17.48	17.66	18.50
HSUPA Subtest-4	16.68	16.69	16.44	17.50
HSUPA Subtest-5	18.65	18.48	18.40	19.50

8.6.19 Power Reduced Level 4&5&6-ANT2 of WCDMA Band 5

WCDMA	Band 5			
Channel	4132	4182	4233	Tune-up Limit (dBm)
RMC 12.2Kbps	23.11	23.04	23.01	24.50
HSDPA Subtest-1	21.61	21.57	21.50	22.50
HSDPA Subtest-2	21.63	21.54	21.44	22.50
HSDPA Subtest-3	21.13	21.01	20.94	22.50
HSDPA Subtest-4	21.14	20.97	20.93	21.50
HSUPA Subtest-1	20.56	20.50	20.42	21.50
HSUPA Subtest-2	20.10	20.03	19.99	21.50
HSUPA Subtest-3	20.60	20.59	20.51	21.50
HSUPA Subtest-4	19.64	19.55	19.47	20.50
HSUPA Subtest-5	21.55	21.51	21.44	22.50

8.6.20 Power Reduced Level 1&2&3&4&5&6-ANT3 of WCDMA Band 5

WCDMA	Band 5			
Channel	4132	4182	4233	Tune-up Limit (dBm)
RMC 12.2Kbps	23.11	23.04	23.01	24.50
HSDPA Subtest-1	21.61	21.57	21.50	22.50
HSDPA Subtest-2	21.63	21.54	21.44	22.50
HSDPA Subtest-3	21.13	21.01	20.94	22.50
HSDPA Subtest-4	21.14	20.97	20.93	21.50
HSUPA Subtest-1	20.56	20.50	20.42	21.50
HSUPA Subtest-2	20.10	20.03	19.99	21.50
HSUPA Subtest-3	20.60	20.59	20.51	21.50
HSUPA Subtest-4	19.64	19.55	19.47	20.50
HSUPA Subtest-5	21.55	21.51	21.44	22.50

8.6.21 Power Reduced Level 1-ANT2 of LTE Band 2

FDD LTE Band 2							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18607	18900	19193	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	14.27	14.21	14.19	16.50
	1 (RB_Pos:3)	MIDDLE	QPSK	14.48	14.44	15.35	16.50
	1 (RB_Pos:5)	HIGH	QPSK	14.40	14.13	15.11	16.50
	3 (RB_Pos:0)	LOW	QPSK	15.21	15.05	15.27	16.50
	3 (RB_Pos:1)	MIDDLE	QPSK	15.15	15.31	15.33	16.50
	3 (RB_Pos:3)	HIGH	QPSK	15.35	15.22	15.40	16.50
	6 (RB_Pos:0)	LOW	QPSK	15.28	15.36	15.13	16.50
	1 (RB_Pos:0)	LOW	16QAM	15.42	15.48	15.20	16.50
	1 (RB_Pos:3)	MIDDLE	16QAM	15.45	15.60	15.31	16.50
	1 (RB_Pos:5)	HIGH	16QAM	15.31	15.47	15.22	16.50
	3 (RB_Pos:0)	LOW	16QAM	15.23	15.50	15.44	16.50
	3 (RB_Pos:1)	MIDDLE	16QAM	15.37	15.22	15.44	16.50
	3 (RB_Pos:3)	HIGH	16QAM	15.41	15.26	15.35	16.50
	6 (RB_Pos:0)	LOW	16QAM	15.42	15.31	15.22	16.50
	1 (RB_Pos:0)	LOW	64QAM	15.45	15.34	15.21	16.50
	1 (RB_Pos:3)	MIDDLE	64QAM	15.41	15.82	15.37	16.50
	1 (RB_Pos:5)	HIGH	64QAM	15.33	15.31	15.07	16.50
	3 (RB_Pos:0)	LOW	64QAM	15.75	15.75	15.84	16.50
	3 (RB_Pos:1)	MIDDLE	64QAM	15.86	15.80	15.97	16.50
	3 (RB_Pos:3)	HIGH	64QAM	15.77	15.73	16.09	16.50
	6 (RB_Pos:0)	LOW	64QAM	16.01	15.59	15.84	16.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18615	18900	19185	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	15.87	15.87	15.78	16.50
	1 (RB_Pos:8)	MIDDLE	QPSK	16.08	16.26	16.02	16.50
	1 (RB_Pos:14)	HIGH	QPSK	15.92	16.06	15.83	16.50
	8 (RB_Pos:0)	LOW	QPSK	16.04	15.96	15.97	16.50
	8 (RB_Pos:3)	MIDDLE	QPSK	15.92	16.02	15.89	16.50
	8 (RB_Pos:7)	HIGH	QPSK	15.96	15.92	15.77	16.50
	15 (RB_Pos:0)	LOW	QPSK	16.05	16.19	16.08	16.50
	1 (RB_Pos:0)	LOW	16QAM	15.92	15.86	15.89	16.50
	1 (RB_Pos:8)	MIDDLE	16QAM	16.09	16.10	16.01	16.50
	1 (RB_Pos:14)	HIGH	16QAM	15.88	16.00	15.61	16.50
	8 (RB_Pos:0)	LOW	16QAM	15.75	15.98	16.31	16.50
	8 (RB_Pos:3)	MIDDLE	16QAM	15.99	16.01	15.71	16.50
	8 (RB_Pos:7)	HIGH	16QAM	15.70	15.85	15.65	16.50
	15 (RB_Pos:0)	LOW	16QAM	16.11	15.91	16.09	16.50
	1 (RB_Pos:0)	LOW	64QAM	15.92	15.81	15.95	16.50
	1 (RB_Pos:8)	MIDDLE	64QAM	15.98	16.27	16.11	16.50

	1 (RB_Pos:14)	HIGH	64QAM	15.69	15.94	15.83	16.50
	8 (RB_Pos:0)	LOW	64QAM	16.26	16.07	16.23	16.50
	8 (RB_Pos:3)	MIDDLE	64QAM	15.93	16.05	16.11	16.50
	8 (RB_Pos:7)	HIGH	64QAM	16.08	15.98	15.88	16.50
	15 (RB_Pos:0)	LOW	64QAM	15.76	16.18	15.82	16.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18625	18900	19175	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	15.98	15.82	15.82	16.50
	1 (RB_Pos:13)	MIDDLE	QPSK	15.97	16.33	16.26	16.50
	1 (RB_Pos:24)	HIGH	QPSK	15.89	16.05	15.87	16.50
	12 (RB_Pos:0)	LOW	QPSK	16.01	16.06	16.08	16.50
	12 (RB_Pos:6)	MIDDLE	QPSK	15.96	15.97	16.06	16.50
	12 (RB_Pos:13)	HIGH	QPSK	16.04	15.93	15.68	16.50
	25 (RB_Pos:0)	LOW	QPSK	15.87	16.27	15.83	16.50
	1 (RB_Pos:0)	LOW	16QAM	15.85	16.00	15.87	16.50
	1 (RB_Pos:13)	MIDDLE	16QAM	16.11	16.01	15.86	16.50
	1 (RB_Pos:24)	HIGH	16QAM	15.82	15.87	15.70	16.50
	12 (RB_Pos:0)	LOW	16QAM	15.83	16.11	16.21	16.50
	12 (RB_Pos:6)	MIDDLE	16QAM	15.89	15.99	15.94	16.50
	12 (RB_Pos:13)	HIGH	16QAM	15.85	15.85	15.60	16.50
	25 (RB_Pos:0)	LOW	16QAM	16.06	16.03	15.92	16.50
	1 (RB_Pos:0)	LOW	64QAM	15.96	16.06	15.82	16.50
	1 (RB_Pos:13)	MIDDLE	64QAM	15.95	16.31	16.26	16.50
	1 (RB_Pos:24)	HIGH	64QAM	15.96	15.98	15.66	16.50
	12 (RB_Pos:0)	LOW	64QAM	16.25	16.06	16.01	16.50
	12 (RB_Pos:6)	MIDDLE	64QAM	15.96	15.98	15.95	16.50
	12 (RB_Pos:13)	HIGH	64QAM	16.12	16.03	15.89	16.50
	25 (RB_Pos:0)	LOW	64QAM	15.94	16.29	15.92	16.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18650	18900	19150	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	15.84	16.04	15.76	16.50
	1 (RB_Pos:25)	MIDDLE	QPSK	16.19	15.93	15.98	16.50
	1 (RB_Pos:49)	HIGH	QPSK	15.83	15.77	15.58	16.50
	25 (RB_Pos:0)	LOW	QPSK	16.01	16.15	16.08	16.50
	25 (RB_Pos:12)	MIDDLE	QPSK	15.95	15.82	16.19	16.50
	25 (RB_Pos:25)	HIGH	QPSK	16.10	16.02	15.88	16.50
	50 (RB_Pos:0)	LOW	QPSK	15.79	16.32	15.87	16.50
	1 (RB_Pos:0)	LOW	16QAM	15.99	16.03	15.73	16.50
	1 (RB_Pos:25)	MIDDLE	16QAM	16.07	15.86	15.93	16.50
	1 (RB_Pos:49)	HIGH	16QAM	15.94	16.01	15.66	16.50
	25 (RB_Pos:0)	LOW	16QAM	15.85	15.88	16.25	16.50
	25 (RB_Pos:12)	MIDDLE	16QAM	16.00	16.11	15.84	16.50
	25 (RB_Pos:25)	HIGH	16QAM	15.71	16.01	15.68	16.50

	50 (RB_Pos:0)	LOW	16QAM	15.86	15.96	16.08	16.50
	1 (RB_Pos:0)	LOW	64QAM	15.76	15.82	16.08	16.50
	1 (RB_Pos:25)	MIDDLE	64QAM	16.23	16.27	16.31	16.50
	1 (RB_Pos:49)	HIGH	64QAM	15.70	16.04	15.72	16.50
	25 (RB_Pos:0)	LOW	64QAM	15.84	16.13	16.05	16.50
	25 (RB_Pos:12)	MIDDLE	64QAM	15.92	16.17	16.12	16.50
	25 (RB_Pos:25)	HIGH	64QAM	16.09	16.13	15.91	16.50
	50 (RB_Pos:0)	LOW	64QAM	15.73	16.16	15.52	16.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18675	18900	19125	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	15.97	16.05	15.90	16.50
	1 (RB_Pos:38)	MIDDLE	QPSK	16.08	16.08	16.12	16.50
	1 (RB_Pos:74)	HIGH	QPSK	15.96	15.88	15.66	16.50
	36 (RB_Pos:0)	LOW	QPSK	15.92	16.02	16.08	16.50
	36 (RB_Pos:20)	MIDDLE	QPSK	16.08	15.93	16.07	16.50
	36 (RB_Pos:39)	HIGH	QPSK	16.05	16.06	15.84	16.50
	75 (RB_Pos:0)	LOW	QPSK	15.85	16.24	15.99	16.50
	1 (RB_Pos:0)	LOW	16QAM	15.94	15.94	15.85	16.50
	1 (RB_Pos:38)	MIDDLE	16QAM	16.13	15.99	15.94	16.50
	1 (RB_Pos:74)	HIGH	16QAM	15.87	16.05	15.68	16.50
	36 (RB_Pos:0)	LOW	16QAM	15.87	15.94	16.24	16.50
	36 (RB_Pos:20)	MIDDLE	16QAM	15.85	16.09	15.97	16.50
	36 (RB_Pos:39)	HIGH	16QAM	15.71	15.88	15.61	16.50
	75 (RB_Pos:0)	LOW	16QAM	16.01	16.05	16.13	16.50
	1 (RB_Pos:0)	LOW	64QAM	15.85	15.95	15.95	16.50
	1 (RB_Pos:38)	MIDDLE	64QAM	16.10	16.38	16.26	16.50
	1 (RB_Pos:74)	HIGH	64QAM	15.69	15.93	15.74	16.50
	36 (RB_Pos:0)	LOW	64QAM	15.98	16.06	16.15	16.50
	36 (RB_Pos:20)	MIDDLE	64QAM	16.01	16.14	16.04	16.50
	36 (RB_Pos:39)	HIGH	64QAM	16.16	16.17	15.99	16.50
	75 (RB_Pos:0)	LOW	64QAM	15.88	16.21	15.66	16.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18700	18900	19100	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	15.87	15.95	15.92	16.50
	1 (RB_Pos:50)	MIDDLE	QPSK	16.09	16.22	16.15	16.50
	1 (RB_Pos:99)	HIGH	QPSK	15.87	15.91	15.76	16.50
	50 (RB_Pos:0)	LOW	QPSK	15.97	16.08	16.08	16.50
	50 (RB_Pos:25)	MIDDLE	QPSK	15.99	16.05	15.98	16.50
	50 (RB_Pos:50)	HIGH	QPSK	15.95	16.05	15.77	16.50
	100 (RB_Pos:0)	LOW	QPSK	15.95	16.12	15.94	16.50
	1 (RB_Pos:0)	LOW	16QAM	15.99	15.89	15.96	16.50
	1 (RB_Pos:50)	MIDDLE	16QAM	16.20	16.11	16.01	16.50
	1 (RB_Pos:99)	HIGH	16QAM	15.75	16.02	15.74	16.50

	50 (RB_Pos:0)	LOW	16QAM	15.85	16.02	16.17	16.50
	50 (RB_Pos:25)	MIDDLE	16QAM	15.84	15.98	15.85	16.50
	50 (RB_Pos:50)	HIGH	16QAM	15.85	15.97	15.70	16.50
	100 (RB_Pos:0)	LOW	16QAM	16.08	16.00	16.01	16.50
	1 (RB_Pos:0)	LOW	64QAM	15.82	15.93	15.82	16.50
	1 (RB_Pos:50)	MIDDLE	64QAM	15.98	16.23	16.11	16.50
	1 (RB_Pos:99)	HIGH	64QAM	15.83	15.87	15.78	16.50
	50 (RB_Pos:0)	LOW	64QAM	16.12	15.95	16.08	16.50
	50 (RB_Pos:25)	MIDDLE	64QAM	15.88	16.10	15.98	16.50
	50 (RB_Pos:50)	HIGH	64QAM	16.05	16.10	15.90	16.50
	100 (RB_Pos:0)	LOW	64QAM	15.90	16.14	15.81	16.50

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

FDD LTE Band 2							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18607	18900	19193	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	13.42	13.07	13.10	15.50
	1 (RB_Pos:3)	MIDDLE	QPSK	13.46	13.44	14.50	15.50
	1 (RB_Pos:5)	HIGH	QPSK	13.43	13.15	14.15	15.50
	3 (RB_Pos:0)	LOW	QPSK	14.30	14.12	14.29	15.50
	3 (RB_Pos:1)	MIDDLE	QPSK	14.05	14.17	14.38	15.50
	3 (RB_Pos:3)	HIGH	QPSK	14.25	14.33	14.44	15.50
	6 (RB_Pos:0)	LOW	QPSK	14.43	14.51	14.09	15.50
	1 (RB_Pos:0)	LOW	16QAM	14.39	14.37	14.27	15.50
	1 (RB_Pos:3)	MIDDLE	16QAM	14.56	14.50	14.25	15.50
	1 (RB_Pos:5)	HIGH	16QAM	14.30	14.40	14.16	15.50
	3 (RB_Pos:0)	LOW	16QAM	14.25	14.45	14.45	15.50
	3 (RB_Pos:1)	MIDDLE	16QAM	14.27	14.37	14.41	15.50
	3 (RB_Pos:3)	HIGH	16QAM	14.33	14.22	14.32	15.50
	6 (RB_Pos:0)	LOW	16QAM	14.37	14.24	14.25	15.50
	1 (RB_Pos:0)	LOW	64QAM	14.50	14.22	14.06	15.50
	1 (RB_Pos:3)	MIDDLE	64QAM	14.39	14.91	14.30	15.50
	1 (RB_Pos:5)	HIGH	64QAM	14.24	14.22	13.96	15.50
	3 (RB_Pos:0)	LOW	64QAM	14.71	14.79	14.90	15.50
	3 (RB_Pos:1)	MIDDLE	64QAM	14.78	14.70	14.88	15.50
	3 (RB_Pos:3)	HIGH	64QAM	14.92	14.59	15.14	15.50
	6 (RB_Pos:0)	LOW	64QAM	15.00	14.50	14.75	15.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18615	18900	19185	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	14.85	14.97	14.81	15.50
	1 (RB_Pos:8)	MIDDLE	QPSK	15.21	15.26	15.06	15.50
	1 (RB_Pos:14)	HIGH	QPSK	15.07	15.18	14.97	15.50

	8 (RB_Pos:0)	LOW	QPSK	15.13	14.89	15.10	15.50
	8 (RB_Pos:3)	MIDDLE	QPSK	14.82	15.11	14.89	15.50
	8 (RB_Pos:7)	HIGH	QPSK	15.06	14.83	14.80	15.50
	15 (RB_Pos:0)	LOW	QPSK	15.03	15.10	14.97	15.50
	1 (RB_Pos:0)	LOW	16QAM	15.06	14.75	14.84	15.50
	1 (RB_Pos:8)	MIDDLE	16QAM	15.05	15.12	15.15	15.50
	1 (RB_Pos:14)	HIGH	16QAM	14.83	15.03	14.68	15.50
	8 (RB_Pos:0)	LOW	16QAM	14.84	15.00	15.37	15.50
	8 (RB_Pos:3)	MIDDLE	16QAM	14.96	14.97	14.80	15.50
	8 (RB_Pos:7)	HIGH	16QAM	14.59	14.98	14.80	15.50
	15 (RB_Pos:0)	LOW	16QAM	15.09	14.96	15.09	15.50
	1 (RB_Pos:0)	LOW	64QAM	14.84	14.90	14.85	15.50
	1 (RB_Pos:8)	MIDDLE	64QAM	14.97	15.39	15.12	15.50
	1 (RB_Pos:14)	HIGH	64QAM	14.75	14.93	14.75	15.50
	8 (RB_Pos:0)	LOW	64QAM	15.36	15.11	15.25	15.50
	8 (RB_Pos:3)	MIDDLE	64QAM	15.08	15.11	15.23	15.50
	8 (RB_Pos:7)	HIGH	64QAM	14.98	14.97	14.82	15.50
	15 (RB_Pos:0)	LOW	64QAM	14.87	15.13	14.83	15.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18625	18900	19175	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	15.09	14.81	14.92	15.50
	1 (RB_Pos:13)	MIDDLE	QPSK	14.86	15.34	15.15	15.50
	1 (RB_Pos:24)	HIGH	QPSK	15.01	15.17	14.92	15.50
	12 (RB_Pos:0)	LOW	QPSK	15.14	15.05	15.04	15.50
	12 (RB_Pos:6)	MIDDLE	QPSK	15.04	15.10	14.99	15.50
	12 (RB_Pos:13)	HIGH	QPSK	15.06	14.98	14.71	15.50
	25 (RB_Pos:0)	LOW	QPSK	14.74	15.33	14.76	15.50
	1 (RB_Pos:0)	LOW	16QAM	14.83	15.06	14.84	15.50
	1 (RB_Pos:13)	MIDDLE	16QAM	15.16	15.13	14.87	15.50
	1 (RB_Pos:24)	HIGH	16QAM	14.96	14.81	14.77	15.50
	12 (RB_Pos:0)	LOW	16QAM	14.68	15.04	15.08	15.50
	12 (RB_Pos:6)	MIDDLE	16QAM	14.75	15.08	14.93	15.50
	12 (RB_Pos:13)	HIGH	16QAM	14.88	14.85	14.62	15.50
	25 (RB_Pos:0)	LOW	16QAM	15.12	15.09	14.80	15.50
	1 (RB_Pos:0)	LOW	64QAM	15.08	14.94	14.90	15.50
	1 (RB_Pos:13)	MIDDLE	64QAM	15.00	15.42	15.14	15.50
	1 (RB_Pos:24)	HIGH	64QAM	14.89	14.86	14.76	15.50
	12 (RB_Pos:0)	LOW	64QAM	15.18	14.97	14.94	15.50
	12 (RB_Pos:6)	MIDDLE	64QAM	15.10	14.90	14.88	15.50
	12 (RB_Pos:13)	HIGH	64QAM	15.15	14.98	14.89	15.50
	25 (RB_Pos:0)	LOW	64QAM	15.03	15.15	15.07	15.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18650	18900	19150	Tune up limit (dBm)

10 MHz	1 (RB_Pos:0)	LOW	QPSK	14.88	15.00	14.73	15.50
	1 (RB_Pos:25)	MIDDLE	QPSK	15.27	15.02	15.08	15.50
	1 (RB_Pos:49)	HIGH	QPSK	14.71	14.86	14.56	15.50
	25 (RB_Pos:0)	LOW	QPSK	15.14	15.02	15.03	15.50
	25 (RB_Pos:12)	MIDDLE	QPSK	15.04	14.80	15.11	15.50
	25 (RB_Pos:25)	HIGH	QPSK	15.12	14.91	14.92	15.50
	50 (RB_Pos:0)	LOW	QPSK	14.65	15.17	14.81	15.50
	1 (RB_Pos:0)	LOW	16QAM	15.09	15.13	14.59	15.50
	1 (RB_Pos:25)	MIDDLE	16QAM	15.04	14.80	14.93	15.50
	1 (RB_Pos:49)	HIGH	16QAM	14.85	15.07	14.62	15.50
	25 (RB_Pos:0)	LOW	16QAM	14.99	14.85	15.24	15.50
	25 (RB_Pos:12)	MIDDLE	16QAM	15.08	15.17	14.88	15.50
	25 (RB_Pos:25)	HIGH	16QAM	14.71	15.10	14.60	15.50
	50 (RB_Pos:0)	LOW	16QAM	14.89	14.82	15.17	15.50
	1 (RB_Pos:0)	LOW	64QAM	14.62	14.80	15.02	15.50
	1 (RB_Pos:25)	MIDDLE	64QAM	15.33	15.24	15.39	15.50
	1 (RB_Pos:49)	HIGH	64QAM	14.64	14.90	14.57	15.50
	25 (RB_Pos:0)	LOW	64QAM	14.87	15.04	15.17	15.50
	25 (RB_Pos:12)	MIDDLE	64QAM	14.89	15.24	15.26	15.50
	25 (RB_Pos:25)	HIGH	64QAM	15.02	15.07	15.00	15.50
	50 (RB_Pos:0)	LOW	64QAM	14.70	15.01	14.47	15.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18675	18900	19125	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	14.85	15.10	14.98	15.50
	1 (RB_Pos:38)	MIDDLE	QPSK	15.02	14.94	15.13	15.50
	1 (RB_Pos:74)	HIGH	QPSK	14.91	14.77	14.73	15.50
	36 (RB_Pos:0)	LOW	QPSK	14.86	14.91	14.97	15.50
	36 (RB_Pos:20)	MIDDLE	QPSK	14.94	15.05	15.16	15.50
	36 (RB_Pos:39)	HIGH	QPSK	15.03	15.03	14.94	15.50
	75 (RB_Pos:0)	LOW	QPSK	14.70	15.23	15.05	15.50
	1 (RB_Pos:0)	LOW	16QAM	14.97	15.00	14.84	15.50
	1 (RB_Pos:38)	MIDDLE	16QAM	15.16	14.86	14.99	15.50
	1 (RB_Pos:74)	HIGH	16QAM	14.80	15.01	14.74	15.50
	36 (RB_Pos:0)	LOW	16QAM	14.75	14.86	15.34	15.50
	36 (RB_Pos:20)	MIDDLE	16QAM	14.85	15.12	15.00	15.50
	36 (RB_Pos:39)	HIGH	16QAM	14.63	14.89	14.58	15.50
	75 (RB_Pos:0)	LOW	16QAM	15.06	15.00	15.25	15.50
	1 (RB_Pos:0)	LOW	64QAM	14.95	15.05	14.98	15.50
	1 (RB_Pos:38)	MIDDLE	64QAM	15.13	15.37	15.23	15.50
	1 (RB_Pos:74)	HIGH	64QAM	14.68	14.81	14.86	15.50
	36 (RB_Pos:0)	LOW	64QAM	14.90	14.93	15.13	15.50
	36 (RB_Pos:20)	MIDDLE	64QAM	15.15	15.14	15.16	15.50
	36 (RB_Pos:39)	HIGH	64QAM	15.08	15.13	15.02	15.50
	75 (RB_Pos:0)	LOW	64QAM	14.80	15.07	14.57	15.50

Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18700	18900	19100	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	14.90	14.98	14.91	15.50
	1 (RB_Pos:50)	MIDDLE	QPSK	15.13	15.22	15.12	15.50
	1 (RB_Pos:99)	HIGH	QPSK	14.92	14.90	14.78	15.50
	50 (RB_Pos:0)	LOW	QPSK	14.98	15.08	15.06	15.50
	50 (RB_Pos:25)	MIDDLE	QPSK	15.00	15.05	14.98	15.50
	50 (RB_Pos:50)	HIGH	QPSK	14.97	15.07	14.81	15.50
	100 (RB_Pos:0)	LOW	QPSK	14.95	15.12	14.96	15.50
	1 (RB_Pos:0)	LOW	16QAM	15.03	14.77	14.99	15.50
	1 (RB_Pos:50)	MIDDLE	16QAM	15.34	15.08	15.11	15.50
	1 (RB_Pos:99)	HIGH	16QAM	14.68	14.99	14.72	15.50
	50 (RB_Pos:0)	LOW	16QAM	14.73	15.15	15.08	15.50
	50 (RB_Pos:25)	MIDDLE	16QAM	14.70	14.96	14.93	15.50
	50 (RB_Pos:50)	HIGH	16QAM	14.86	14.89	14.56	15.50
	100 (RB_Pos:0)	LOW	16QAM	15.07	14.94	14.93	15.50
	1 (RB_Pos:0)	LOW	64QAM	14.82	14.95	14.69	15.50
	1 (RB_Pos:50)	MIDDLE	64QAM	14.90	15.33	15.18	15.50
	1 (RB_Pos:99)	HIGH	64QAM	14.93	14.87	14.72	15.50
	50 (RB_Pos:0)	LOW	64QAM	15.05	14.81	14.97	15.50
	50 (RB_Pos:25)	MIDDLE	64QAM	15.00	15.04	15.01	15.50
	50 (RB_Pos:50)	HIGH	64QAM	14.93	14.96	14.96	15.50
	100 (RB_Pos:0)	LOW	64QAM	14.83	15.20	14.84	15.50

8.6.23 Power Reduced Level 4&5&6-ANT2 of LTE Band 2

FDD LTE Band 2							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18607	18900	19193	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	19.31	19.39	19.52	20.00
	1 (RB_Pos:3)	MIDDLE	QPSK	19.54	19.70	19.66	20.00
	1 (RB_Pos:5)	HIGH	QPSK	19.58	19.40	19.33	20.00
	3 (RB_Pos:0)	LOW	QPSK	19.45	19.61	19.57	20.00
	3 (RB_Pos:1)	MIDDLE	QPSK	19.67	19.68	19.45	20.00
	3 (RB_Pos:3)	HIGH	QPSK	19.67	19.54	19.41	20.00
	6 (RB_Pos:0)	LOW	QPSK	19.48	19.51	19.50	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.42	19.57	19.48	20.00
	1 (RB_Pos:3)	MIDDLE	16QAM	19.72	19.60	19.54	20.00
	1 (RB_Pos:5)	HIGH	16QAM	19.65	19.48	19.24	20.00
	3 (RB_Pos:0)	LOW	16QAM	19.62	19.64	19.63	20.00
	3 (RB_Pos:1)	MIDDLE	16QAM	19.74	19.54	19.71	20.00
	3 (RB_Pos:3)	HIGH	16QAM	19.68	19.74	19.39	20.00
	6 (RB_Pos:0)	LOW	16QAM	19.40	19.75	19.26	20.00

	1 (RB_Pos:0)	LOW	64QAM	19.42	19.34	19.52	20.00
	1 (RB_Pos:3)	MIDDLE	64QAM	19.45	19.61	19.49	20.00
	1 (RB_Pos:5)	HIGH	64QAM	19.60	19.39	19.23	20.00
	3 (RB_Pos:0)	LOW	64QAM	19.44	19.38	19.48	20.00
	3 (RB_Pos:1)	MIDDLE	64QAM	19.89	19.66	19.89	20.00
	3 (RB_Pos:3)	HIGH	64QAM	19.61	19.57	19.44	20.00
	6 (RB_Pos:0)	LOW	64QAM	19.32	19.91	19.30	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18615	18900	19185	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	19.56	19.45	19.34	20.00
	1 (RB_Pos:8)	MIDDLE	QPSK	19.51	19.81	19.67	20.00
	1 (RB_Pos:14)	HIGH	QPSK	19.37	19.49	19.20	20.00
	8 (RB_Pos:0)	LOW	QPSK	19.42	19.52	19.46	20.00
	8 (RB_Pos:3)	MIDDLE	QPSK	19.47	19.52	19.67	20.00
	8 (RB_Pos:7)	HIGH	QPSK	19.41	19.70	19.44	20.00
	15 (RB_Pos:0)	LOW	QPSK	19.57	19.51	19.51	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.57	19.46	19.33	20.00
	1 (RB_Pos:8)	MIDDLE	16QAM	19.70	19.62	19.65	20.00
	1 (RB_Pos:14)	HIGH	16QAM	19.39	19.18	19.34	20.00
	8 (RB_Pos:0)	LOW	16QAM	19.57	19.72	19.55	20.00
	8 (RB_Pos:3)	MIDDLE	16QAM	19.53	19.54	19.74	20.00
	8 (RB_Pos:7)	HIGH	16QAM	19.55	19.76	19.39	20.00
	15 (RB_Pos:0)	LOW	16QAM	19.54	19.83	19.24	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.43	19.48	19.59	20.00
	1 (RB_Pos:8)	MIDDLE	64QAM	19.43	19.77	19.62	20.00
	1 (RB_Pos:14)	HIGH	64QAM	19.47	19.28	19.30	20.00
	8 (RB_Pos:0)	LOW	64QAM	19.52	19.65	19.53	20.00
	8 (RB_Pos:3)	MIDDLE	64QAM	19.79	19.88	19.94	20.00
	8 (RB_Pos:7)	HIGH	64QAM	19.60	19.68	19.25	20.00
	15 (RB_Pos:0)	LOW	64QAM	19.42	19.77	19.27	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18625	18900	19175	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	19.49	19.54	19.40	20.00
	1 (RB_Pos:13)	MIDDLE	QPSK	19.75	19.75	19.60	20.00
	1 (RB_Pos:24)	HIGH	QPSK	19.31	19.40	19.24	20.00
	12 (RB_Pos:0)	LOW	QPSK	19.61	19.77	19.66	20.00
	12 (RB_Pos:6)	MIDDLE	QPSK	19.43	19.46	19.48	20.00
	12 (RB_Pos:13)	HIGH	QPSK	19.48	19.48	19.22	20.00
	25 (RB_Pos:0)	LOW	QPSK	19.44	19.77	19.50	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.33	19.54	19.43	20.00
	1 (RB_Pos:13)	MIDDLE	16QAM	19.46	19.60	19.74	20.00
	1 (RB_Pos:24)	HIGH	16QAM	19.65	19.46	19.29	20.00
	12 (RB_Pos:0)	LOW	16QAM	19.39	19.53	19.64	20.00

	12 (RB_Pos:6)	MIDDLE	16QAM	19.62	19.71	19.66	20.00
	12 (RB_Pos:13)	HIGH	16QAM	19.61	19.80	19.29	20.00
	25 (RB_Pos:0)	LOW	16QAM	19.59	19.69	19.42	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.33	19.32	19.48	20.00
	1 (RB_Pos:13)	MIDDLE	64QAM	19.53	19.67	19.64	20.00
	1 (RB_Pos:24)	HIGH	64QAM	19.47	19.34	19.51	20.00
	12 (RB_Pos:0)	LOW	64QAM	19.58	19.47	19.67	20.00
	12 (RB_Pos:6)	MIDDLE	64QAM	19.92	19.71	19.80	20.00
	12 (RB_Pos:13)	HIGH	64QAM	19.71	19.57	19.26	20.00
	25 (RB_Pos:0)	LOW	64QAM	19.26	19.79	19.40	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18650	18900	19150	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	19.56	19.65	19.32	20.00
	1 (RB_Pos:25)	MIDDLE	QPSK	19.77	19.79	19.75	20.00
	1 (RB_Pos:49)	HIGH	QPSK	19.47	19.56	19.17	20.00
	25 (RB_Pos:0)	LOW	QPSK	19.38	19.75	19.53	20.00
	25 (RB_Pos:12)	MIDDLE	QPSK	19.46	19.61	19.64	20.00
	25 (RB_Pos:25)	HIGH	QPSK	19.41	19.50	19.30	20.00
	50 (RB_Pos:0)	LOW	QPSK	19.57	19.49	19.52	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.36	19.51	19.38	20.00
	1 (RB_Pos:25)	MIDDLE	16QAM	19.50	19.60	19.46	20.00
	1 (RB_Pos:49)	HIGH	16QAM	19.55	19.47	19.48	20.00
	25 (RB_Pos:0)	LOW	16QAM	19.61	19.64	19.73	20.00
	25 (RB_Pos:12)	MIDDLE	16QAM	19.53	19.76	19.56	20.00
	25 (RB_Pos:25)	HIGH	16QAM	19.70	19.74	19.24	20.00
	50 (RB_Pos:0)	LOW	16QAM	19.40	19.84	19.29	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.40	19.46	19.54	20.00
	1 (RB_Pos:25)	MIDDLE	64QAM	19.46	19.63	19.67	20.00
	1 (RB_Pos:49)	HIGH	64QAM	19.47	19.41	19.46	20.00
	25 (RB_Pos:0)	LOW	64QAM	19.43	19.67	19.55	20.00
	25 (RB_Pos:12)	MIDDLE	64QAM	19.85	19.75	19.88	20.00
	25 (RB_Pos:25)	HIGH	64QAM	19.73	19.49	19.36	20.00
	50 (RB_Pos:0)	LOW	64QAM	19.51	19.72	19.32	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18675	18900	19125	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	19.49	19.37	19.50	20.00
	1 (RB_Pos:38)	MIDDLE	QPSK	19.67	19.78	19.63	20.00
	1 (RB_Pos:74)	HIGH	QPSK	19.29	19.47	19.29	20.00
	36 (RB_Pos:0)	LOW	QPSK	19.55	19.76	19.68	20.00
	36 (RB_Pos:20)	MIDDLE	QPSK	19.42	19.54	19.64	20.00
	36 (RB_Pos:39)	HIGH	QPSK	19.39	19.69	19.24	20.00
	75 (RB_Pos:0)	LOW	QPSK	19.65	19.67	19.61	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.35	19.40	19.39	20.00

	1 (RB_Pos:38)	MIDDLE	16QAM	19.48	19.76	19.47	20.00
	1 (RB_Pos:74)	HIGH	16QAM	19.62	19.33	19.46	20.00
	36 (RB_Pos:0)	LOW	16QAM	19.50	19.45	19.67	20.00
	36 (RB_Pos:20)	MIDDLE	16QAM	19.69	19.68	19.80	20.00
	36 (RB_Pos:39)	HIGH	16QAM	19.73	19.53	19.28	20.00
	75 (RB_Pos:0)	LOW	16QAM	19.51	19.82	19.34	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.39	19.37	19.46	20.00
	1 (RB_Pos:38)	MIDDLE	64QAM	19.56	19.55	19.61	20.00
	1 (RB_Pos:74)	HIGH	64QAM	19.58	19.44	19.40	20.00
	36 (RB_Pos:0)	LOW	64QAM	19.58	19.66	19.56	20.00
	36 (RB_Pos:20)	MIDDLE	64QAM	19.75	19.83	19.71	20.00
	36 (RB_Pos:39)	HIGH	64QAM	19.62	19.62	19.52	20.00
	75 (RB_Pos:0)	LOW	64QAM	19.42	19.69	19.39	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18700	18900	19100	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	19.42	19.52	19.46	20.00
	1 (RB_Pos:50)	MIDDLE	QPSK	19.65	19.75	19.65	20.00
	1 (RB_Pos:99)	HIGH	QPSK	19.43	19.45	19.30	20.00
	50 (RB_Pos:0)	LOW	QPSK	19.48	19.64	19.60	20.00
	50 (RB_Pos:25)	MIDDLE	QPSK	19.53	19.61	19.52	20.00
	50 (RB_Pos:50)	HIGH	QPSK	19.53	19.57	19.30	20.00
	100 (RB_Pos:0)	LOW	QPSK	19.50	19.63	19.46	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.42	19.44	19.42	20.00
	1 (RB_Pos:50)	MIDDLE	16QAM	19.59	19.71	19.60	20.00
	1 (RB_Pos:99)	HIGH	16QAM	19.54	19.33	19.39	20.00
	50 (RB_Pos:0)	LOW	16QAM	19.51	19.60	19.65	20.00
	50 (RB_Pos:25)	MIDDLE	16QAM	19.67	19.67	19.66	20.00
	50 (RB_Pos:50)	HIGH	16QAM	19.61	19.68	19.39	20.00
	100 (RB_Pos:0)	LOW	16QAM	19.50	19.70	19.38	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.29	19.44	19.57	20.00
	1 (RB_Pos:50)	MIDDLE	64QAM	19.58	19.70	19.63	20.00
	1 (RB_Pos:99)	HIGH	64QAM	19.45	19.35	19.36	20.00
	50 (RB_Pos:0)	LOW	64QAM	19.48	19.53	19.60	20.00
	50 (RB_Pos:25)	MIDDLE	64QAM	19.79	19.75	19.79	20.00
	50 (RB_Pos:50)	HIGH	64QAM	19.60	19.61	19.40	20.00
	100 (RB_Pos:0)	LOW	64QAM	19.38	19.79	19.34	20.00

8.6.24 Power Reduced Level 1&2&3-ANT3 of LTE Band 2

FDD LTE Band 2							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18607	18900	19193	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	21.30	21.30	21.34	23.50
	1 (RB_Pos:3)	MIDDLE	QPSK	21.41	21.47	22.31	23.50
	1 (RB_Pos:5)	HIGH	QPSK	21.52	21.20	22.17	23.50
	3 (RB_Pos:0)	LOW	QPSK	22.25	22.18	22.25	23.50
	3 (RB_Pos:1)	MIDDLE	QPSK	22.22	22.31	22.29	23.50
	3 (RB_Pos:3)	HIGH	QPSK	22.26	22.27	22.30	23.50
	6 (RB_Pos:0)	LOW	QPSK	21.21	21.21	21.22	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.36	21.48	21.19	22.50
	1 (RB_Pos:3)	MIDDLE	16QAM	21.39	21.60	21.30	22.50
	1 (RB_Pos:5)	HIGH	16QAM	21.33	21.49	21.19	22.50
	3 (RB_Pos:0)	LOW	16QAM	21.28	21.35	21.39	22.50
	3 (RB_Pos:1)	MIDDLE	16QAM	21.30	21.36	21.44	22.50
	3 (RB_Pos:3)	HIGH	16QAM	21.29	21.38	21.44	22.50
	6 (RB_Pos:0)	LOW	16QAM	20.34	20.18	20.36	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.31	20.40	20.08	21.50
	1 (RB_Pos:3)	MIDDLE	64QAM	20.31	20.71	20.44	21.50
	1 (RB_Pos:5)	HIGH	64QAM	20.27	20.43	20.15	21.50
	3 (RB_Pos:0)	LOW	64QAM	20.73	20.85	20.92	21.50
	3 (RB_Pos:1)	MIDDLE	64QAM	20.75	20.75	20.97	21.50
	3 (RB_Pos:3)	HIGH	64QAM	20.79	20.83	21.03	21.50
	6 (RB_Pos:0)	LOW	64QAM	19.93	19.73	19.92	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18615	18900	19185	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.37	22.47	22.40	23.50
	1 (RB_Pos:8)	MIDDLE	QPSK	22.22	22.32	22.35	23.50
	1 (RB_Pos:14)	HIGH	QPSK	22.28	22.33	22.29	23.50
	8 (RB_Pos:0)	LOW	QPSK	21.28	21.34	21.25	22.50
	8 (RB_Pos:3)	MIDDLE	QPSK	21.28	21.34	21.29	22.50
	8 (RB_Pos:7)	HIGH	QPSK	21.33	21.31	21.23	22.50
	15 (RB_Pos:0)	LOW	QPSK	21.23	21.29	21.22	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.31	21.65	21.27	22.50
	1 (RB_Pos:8)	MIDDLE	16QAM	21.29	21.60	21.16	22.50
	1 (RB_Pos:14)	HIGH	16QAM	21.30	21.63	21.28	22.50
	8 (RB_Pos:0)	LOW	16QAM	20.44	20.37	20.23	21.50
	8 (RB_Pos:3)	MIDDLE	16QAM	20.36	20.41	20.29	21.50
	8 (RB_Pos:7)	HIGH	16QAM	20.38	20.35	20.31	21.50
	15 (RB_Pos:0)	LOW	16QAM	20.35	20.30	20.16	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.21	20.68	20.14	21.50
	1 (RB_Pos:8)	MIDDLE	64QAM	20.35	20.50	20.26	21.50

	1 (RB_Pos:14)	HIGH	64QAM	20.38	20.72	20.15	21.50
	8 (RB_Pos:0)	LOW	64QAM	19.85	19.98	19.83	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	19.94	19.86	19.85	20.50
	8 (RB_Pos:7)	HIGH	64QAM	19.98	19.87	19.81	20.50
	15 (RB_Pos:0)	LOW	64QAM	19.83	19.79	19.71	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18625	18900	19175	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.37	22.45	22.32	23.50
	1 (RB_Pos:13)	MIDDLE	QPSK	22.33	22.46	22.26	23.50
	1 (RB_Pos:24)	HIGH	QPSK	22.31	22.35	22.29	23.50
	12 (RB_Pos:0)	LOW	QPSK	21.27	21.32	21.23	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.35	21.33	21.26	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.29	21.31	21.19	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.30	21.27	21.22	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.48	21.81	21.33	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.48	21.77	21.42	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.50	21.79	21.40	22.50
	12 (RB_Pos:0)	LOW	16QAM	20.33	20.42	20.37	21.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.36	20.43	20.28	21.50
	12 (RB_Pos:13)	HIGH	16QAM	20.36	20.39	20.25	21.50
	25 (RB_Pos:0)	LOW	16QAM	20.33	20.32	20.21	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.51	20.76	20.42	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.55	20.66	20.46	21.50
	1 (RB_Pos:24)	HIGH	64QAM	20.61	20.84	20.51	21.50
	12 (RB_Pos:0)	LOW	64QAM	19.74	19.99	19.92	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	19.73	19.92	19.85	20.50
	12 (RB_Pos:13)	HIGH	64QAM	19.86	19.79	19.82	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.70	19.90	19.62	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18650	18900	19150	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.34	22.42	22.37	23.50
	1 (RB_Pos:25)	MIDDLE	QPSK	22.42	22.43	22.39	23.50
	1 (RB_Pos:49)	HIGH	QPSK	22.29	22.32	22.36	23.50
	25 (RB_Pos:0)	LOW	QPSK	21.32	21.35	21.24	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.35	21.31	21.21	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.38	21.35	21.18	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.37	21.37	21.29	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.24	21.64	21.25	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.35	21.75	21.32	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.17	21.62	21.28	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.27	20.33	20.33	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.28	20.33	20.27	21.50
	25 (RB_Pos:25)	HIGH	16QAM	20.38	20.29	20.31	21.50

	50 (RB_Pos:0)	LOW	16QAM	20.31	20.32	20.31	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.35	20.64	20.28	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.24	20.82	20.32	21.50
	1 (RB_Pos:49)	HIGH	64QAM	20.10	20.71	20.40	21.50
	25 (RB_Pos:0)	LOW	64QAM	19.85	19.98	19.72	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	19.82	19.68	19.73	20.50
	25 (RB_Pos:25)	HIGH	64QAM	19.99	19.92	19.66	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.74	19.74	19.68	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18675	18900	19125	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.32	22.38	22.41	23.50
	1 (RB_Pos:38)	MIDDLE	QPSK	22.27	22.41	22.37	23.50
	1 (RB_Pos:74)	HIGH	QPSK	22.22	22.36	22.23	23.50
	36 (RB_Pos:0)	LOW	QPSK	21.35	21.47	21.39	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.39	21.43	21.39	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.38	21.42	21.31	22.50
	75 (RB_Pos:0)	LOW	QPSK	21.42	21.41	21.39	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.19	21.61	21.71	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	21.25	21.64	21.62	22.50
	1 (RB_Pos:74)	HIGH	16QAM	21.13	21.66	21.54	22.50
	36 (RB_Pos:0)	LOW	16QAM	20.31	20.35	20.26	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.36	20.32	20.30	21.50
	36 (RB_Pos:39)	HIGH	16QAM	20.35	20.22	20.25	21.50
	75 (RB_Pos:0)	LOW	16QAM	20.38	20.29	20.31	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.11	20.53	20.56	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.18	20.61	20.76	21.50
	1 (RB_Pos:74)	HIGH	64QAM	20.06	20.67	20.43	21.50
	36 (RB_Pos:0)	LOW	64QAM	19.82	19.92	19.74	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.88	19.86	19.94	20.50
	36 (RB_Pos:39)	HIGH	64QAM	19.82	19.83	19.65	20.50
	75 (RB_Pos:0)	LOW	64QAM	19.98	19.83	19.78	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18700	18900	19100	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.21	22.23	22.24	23.50
	1 (RB_Pos:50)	MIDDLE	QPSK	22.33	22.54	22.37	23.50
	1 (RB_Pos:99)	HIGH	QPSK	22.08	22.11	22.08	23.50
	50 (RB_Pos:0)	LOW	QPSK	21.27	21.33	21.33	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.36	21.34	21.24	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.36	21.31	21.16	22.50
	100 (RB_Pos:0)	LOW	QPSK	21.32	21.34	21.27	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.62	21.48	21.54	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	21.90	21.83	21.76	22.50
	1 (RB_Pos:99)	HIGH	16QAM	21.51	21.53	21.42	22.50

	50 (RB_Pos:0)	LOW	16QAM	20.32	20.34	20.30	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.34	20.34	20.29	21.50
	50 (RB_Pos:50)	HIGH	16QAM	20.34	20.34	20.14	21.50
	100 (RB_Pos:0)	LOW	16QAM	20.34	20.34	20.28	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.63	20.61	20.47	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	20.87	20.78	20.71	21.50
	1 (RB_Pos:99)	HIGH	64QAM	20.45	20.67	20.53	21.50
	50 (RB_Pos:0)	LOW	64QAM	19.87	19.71	19.94	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.98	19.96	19.86	20.50
	50 (RB_Pos:50)	HIGH	64QAM	19.89	19.74	19.75	20.50
	100 (RB_Pos:0)	LOW	64QAM	19.74	19.92	19.90	20.50

8.6.25 Power Reduced Level 4&5&6-ANT3 of LTE Band 2

FDD LTE Band 2							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18607	18900	19193	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	19.31	19.39	19.52	20.00
	1 (RB_Pos:3)	MIDDLE	QPSK	19.54	19.70	19.66	20.00
	1 (RB_Pos:5)	HIGH	QPSK	19.58	19.40	19.33	20.00
	3 (RB_Pos:0)	LOW	QPSK	19.45	19.61	19.57	20.00
	3 (RB_Pos:1)	MIDDLE	QPSK	19.67	19.68	19.45	20.00
	3 (RB_Pos:3)	HIGH	QPSK	19.67	19.54	19.41	20.00
	6 (RB_Pos:0)	LOW	QPSK	19.48	19.51	19.50	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.42	19.57	19.48	20.00
	1 (RB_Pos:3)	MIDDLE	16QAM	19.72	19.60	19.54	20.00
	1 (RB_Pos:5)	HIGH	16QAM	19.65	19.48	19.24	20.00
	3 (RB_Pos:0)	LOW	16QAM	19.62	19.64	19.63	20.00
	3 (RB_Pos:1)	MIDDLE	16QAM	19.74	19.54	19.71	20.00
	3 (RB_Pos:3)	HIGH	16QAM	19.68	19.74	19.39	20.00
	6 (RB_Pos:0)	LOW	16QAM	19.40	19.75	19.26	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.42	19.34	19.52	20.00
	1 (RB_Pos:3)	MIDDLE	64QAM	19.45	19.61	19.49	20.00
	1 (RB_Pos:5)	HIGH	64QAM	19.60	19.39	19.23	20.00
	3 (RB_Pos:0)	LOW	64QAM	19.44	19.38	19.48	20.00
	3 (RB_Pos:1)	MIDDLE	64QAM	19.89	19.66	19.89	20.00
	3 (RB_Pos:3)	HIGH	64QAM	19.61	19.57	19.44	20.00
	6 (RB_Pos:0)	LOW	64QAM	19.32	19.91	19.30	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18615	18900	19185	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	19.56	19.45	19.34	20.00
	1 (RB_Pos:8)	MIDDLE	QPSK	19.51	19.81	19.67	20.00
	1 (RB_Pos:14)	HIGH	QPSK	19.37	19.49	19.20	20.00

	8 (RB_Pos:0)	LOW	QPSK	19.42	19.52	19.46	20.00
	8 (RB_Pos:3)	MIDDLE	QPSK	19.47	19.52	19.67	20.00
	8 (RB_Pos:7)	HIGH	QPSK	19.41	19.70	19.44	20.00
	15 (RB_Pos:0)	LOW	QPSK	19.57	19.51	19.51	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.57	19.46	19.33	20.00
	1 (RB_Pos:8)	MIDDLE	16QAM	19.70	19.62	19.65	20.00
	1 (RB_Pos:14)	HIGH	16QAM	19.39	19.18	19.34	20.00
	8 (RB_Pos:0)	LOW	16QAM	19.57	19.72	19.55	20.00
	8 (RB_Pos:3)	MIDDLE	16QAM	19.53	19.54	19.74	20.00
	8 (RB_Pos:7)	HIGH	16QAM	19.55	19.76	19.39	20.00
	15 (RB_Pos:0)	LOW	16QAM	19.54	19.83	19.24	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.43	19.48	19.59	20.00
	1 (RB_Pos:8)	MIDDLE	64QAM	19.43	19.77	19.62	20.00
	1 (RB_Pos:14)	HIGH	64QAM	19.47	19.28	19.30	20.00
	8 (RB_Pos:0)	LOW	64QAM	19.52	19.65	19.53	20.00
	8 (RB_Pos:3)	MIDDLE	64QAM	19.79	19.88	19.94	20.00
	8 (RB_Pos:7)	HIGH	64QAM	19.60	19.68	19.25	20.00
	15 (RB_Pos:0)	LOW	64QAM	19.42	19.77	19.27	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18625	18900	19175	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	19.49	19.54	19.40	20.00
	1 (RB_Pos:13)	MIDDLE	QPSK	19.75	19.75	19.60	20.00
	1 (RB_Pos:24)	HIGH	QPSK	19.31	19.40	19.24	20.00
	12 (RB_Pos:0)	LOW	QPSK	19.61	19.77	19.66	20.00
	12 (RB_Pos:6)	MIDDLE	QPSK	19.43	19.46	19.48	20.00
	12 (RB_Pos:13)	HIGH	QPSK	19.48	19.48	19.22	20.00
	25 (RB_Pos:0)	LOW	QPSK	19.44	19.77	19.50	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.33	19.54	19.43	20.00
	1 (RB_Pos:13)	MIDDLE	16QAM	19.46	19.60	19.74	20.00
	1 (RB_Pos:24)	HIGH	16QAM	19.65	19.46	19.29	20.00
	12 (RB_Pos:0)	LOW	16QAM	19.39	19.53	19.64	20.00
	12 (RB_Pos:6)	MIDDLE	16QAM	19.62	19.71	19.66	20.00
	12 (RB_Pos:13)	HIGH	16QAM	19.61	19.80	19.29	20.00
	25 (RB_Pos:0)	LOW	16QAM	19.59	19.69	19.42	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.33	19.32	19.48	20.00
	1 (RB_Pos:13)	MIDDLE	64QAM	19.53	19.67	19.64	20.00
	1 (RB_Pos:24)	HIGH	64QAM	19.47	19.34	19.51	20.00
	12 (RB_Pos:0)	LOW	64QAM	19.58	19.47	19.67	20.00
	12 (RB_Pos:6)	MIDDLE	64QAM	19.92	19.71	19.80	20.00
	12 (RB_Pos:13)	HIGH	64QAM	19.71	19.57	19.26	20.00
	25 (RB_Pos:0)	LOW	64QAM	19.26	19.79	19.40	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18650	18900	19150	Tune up limit (dBm)

10 MHz	1 (RB_Pos:0)	LOW	QPSK	19.56	19.65	19.32	20.00
	1 (RB_Pos:25)	MIDDLE	QPSK	19.77	19.79	19.75	20.00
	1 (RB_Pos:49)	HIGH	QPSK	19.47	19.56	19.17	20.00
	25 (RB_Pos:0)	LOW	QPSK	19.38	19.75	19.53	20.00
	25 (RB_Pos:12)	MIDDLE	QPSK	19.46	19.61	19.64	20.00
	25 (RB_Pos:25)	HIGH	QPSK	19.41	19.50	19.30	20.00
	50 (RB_Pos:0)	LOW	QPSK	19.57	19.49	19.52	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.36	19.51	19.38	20.00
	1 (RB_Pos:25)	MIDDLE	16QAM	19.50	19.60	19.46	20.00
	1 (RB_Pos:49)	HIGH	16QAM	19.55	19.47	19.48	20.00
	25 (RB_Pos:0)	LOW	16QAM	19.61	19.64	19.73	20.00
	25 (RB_Pos:12)	MIDDLE	16QAM	19.53	19.76	19.56	20.00
	25 (RB_Pos:25)	HIGH	16QAM	19.70	19.74	19.24	20.00
	50 (RB_Pos:0)	LOW	16QAM	19.40	19.84	19.29	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.40	19.46	19.54	20.00
	1 (RB_Pos:25)	MIDDLE	64QAM	19.46	19.63	19.67	20.00
	1 (RB_Pos:49)	HIGH	64QAM	19.47	19.41	19.46	20.00
	25 (RB_Pos:0)	LOW	64QAM	19.43	19.67	19.55	20.00
	25 (RB_Pos:12)	MIDDLE	64QAM	19.85	19.75	19.88	20.00
	25 (RB_Pos:25)	HIGH	64QAM	19.73	19.49	19.36	20.00
	50 (RB_Pos:0)	LOW	64QAM	19.51	19.72	19.32	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18675	18900	19125	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	19.49	19.37	19.50	20.00
	1 (RB_Pos:38)	MIDDLE	QPSK	19.67	19.78	19.63	20.00
	1 (RB_Pos:74)	HIGH	QPSK	19.29	19.47	19.29	20.00
	36 (RB_Pos:0)	LOW	QPSK	19.55	19.76	19.68	20.00
	36 (RB_Pos:20)	MIDDLE	QPSK	19.42	19.54	19.64	20.00
	36 (RB_Pos:39)	HIGH	QPSK	19.39	19.69	19.24	20.00
	75 (RB_Pos:0)	LOW	QPSK	19.65	19.67	19.61	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.35	19.40	19.39	20.00
	1 (RB_Pos:38)	MIDDLE	16QAM	19.48	19.76	19.47	20.00
	1 (RB_Pos:74)	HIGH	16QAM	19.62	19.33	19.46	20.00
	36 (RB_Pos:0)	LOW	16QAM	19.50	19.45	19.67	20.00
	36 (RB_Pos:20)	MIDDLE	16QAM	19.69	19.68	19.80	20.00
	36 (RB_Pos:39)	HIGH	16QAM	19.73	19.53	19.28	20.00
	75 (RB_Pos:0)	LOW	16QAM	19.51	19.82	19.34	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.39	19.37	19.46	20.00
	1 (RB_Pos:38)	MIDDLE	64QAM	19.56	19.55	19.61	20.00
	1 (RB_Pos:74)	HIGH	64QAM	19.58	19.44	19.40	20.00
	36 (RB_Pos:0)	LOW	64QAM	19.58	19.66	19.56	20.00
	36 (RB_Pos:20)	MIDDLE	64QAM	19.75	19.83	19.71	20.00
	36 (RB_Pos:39)	HIGH	64QAM	19.62	19.62	19.52	20.00
	75 (RB_Pos:0)	LOW	64QAM	19.42	19.69	19.39	20.00

Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			18700	18900	19100	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	19.42	19.52	19.46	20.00
	1 (RB_Pos:50)	MIDDLE	QPSK	19.65	19.75	19.65	20.00
	1 (RB_Pos:99)	HIGH	QPSK	19.43	19.45	19.30	20.00
	50 (RB_Pos:0)	LOW	QPSK	19.48	19.64	19.60	20.00
	50 (RB_Pos:25)	MIDDLE	QPSK	19.53	19.61	19.52	20.00
	50 (RB_Pos:50)	HIGH	QPSK	19.53	19.57	19.30	20.00
	100 (RB_Pos:0)	LOW	QPSK	19.50	19.63	19.46	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.42	19.44	19.42	20.00
	1 (RB_Pos:50)	MIDDLE	16QAM	19.59	19.71	19.60	20.00
	1 (RB_Pos:99)	HIGH	16QAM	19.54	19.33	19.39	20.00
	50 (RB_Pos:0)	LOW	16QAM	19.51	19.60	19.65	20.00
	50 (RB_Pos:25)	MIDDLE	16QAM	19.67	19.67	19.66	20.00
	50 (RB_Pos:50)	HIGH	16QAM	19.61	19.68	19.39	20.00
	100 (RB_Pos:0)	LOW	16QAM	19.50	19.70	19.38	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.29	19.44	19.57	20.00
	1 (RB_Pos:50)	MIDDLE	64QAM	19.58	19.70	19.63	20.00
	1 (RB_Pos:99)	HIGH	64QAM	19.45	19.35	19.36	20.00
	50 (RB_Pos:0)	LOW	64QAM	19.48	19.53	19.60	20.00
	50 (RB_Pos:25)	MIDDLE	64QAM	19.79	19.75	19.79	20.00
	50 (RB_Pos:50)	HIGH	64QAM	19.60	19.61	19.40	20.00
	100 (RB_Pos:0)	LOW	64QAM	19.38	19.79	19.34	20.00

8.6.26 Power Reduced Level 1&2&3-ANT2 of LTE Band 4

FDD LTE Band 4							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19957	20175	20393	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	20.92	20.96	20.93	21.50
	1 (RB_Pos:3)	MIDDLE	QPSK	21.25	21.01	21.09	21.50
	1 (RB_Pos:5)	HIGH	QPSK	20.80	20.94	20.84	21.50
	3 (RB_Pos:0)	LOW	QPSK	21.15	21.12	21.12	21.50
	3 (RB_Pos:1)	MIDDLE	QPSK	21.30	21.16	21.05	21.50
	3 (RB_Pos:3)	HIGH	QPSK	21.15	20.92	21.05	21.50
	6 (RB_Pos:0)	LOW	QPSK	20.86	21.31	21.22	21.50
	1 (RB_Pos:0)	LOW	16QAM	20.84	21.04	21.15	21.50
	1 (RB_Pos:3)	MIDDLE	16QAM	21.23	21.23	21.07	21.50
	1 (RB_Pos:5)	HIGH	16QAM	20.83	20.73	20.84	21.50
	3 (RB_Pos:0)	LOW	16QAM	21.16	21.03	21.08	21.50
	3 (RB_Pos:1)	MIDDLE	16QAM	21.14	21.11	21.27	21.50
	3 (RB_Pos:3)	HIGH	16QAM	21.07	21.00	20.87	21.50
	6 (RB_Pos:0)	LOW	16QAM	21.04	21.14	21.18	21.50

	1 (RB_Pos:0)	LOW	64QAM	20.89	21.01	21.05	21.50
	1 (RB_Pos:3)	MIDDLE	64QAM	21.05	21.07	21.24	21.50
	1 (RB_Pos:5)	HIGH	64QAM	20.79	20.88	21.02	21.50
	3 (RB_Pos:0)	LOW	64QAM	20.95	20.98	21.16	21.50
	3 (RB_Pos:1)	MIDDLE	64QAM	21.25	21.25	21.12	21.50
	3 (RB_Pos:3)	HIGH	64QAM	21.16	21.03	21.12	21.50
	6 (RB_Pos:0)	LOW	64QAM	20.24	20.42	20.07	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19965	20175	20385	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	20.66	21.00	20.93	21.50
	1 (RB_Pos:8)	MIDDLE	QPSK	21.24	21.24	21.11	21.50
	1 (RB_Pos:14)	HIGH	QPSK	20.79	20.88	21.00	21.50
	8 (RB_Pos:0)	LOW	QPSK	21.16	21.25	21.23	21.50
	8 (RB_Pos:3)	MIDDLE	QPSK	21.39	21.33	21.07	21.50
	8 (RB_Pos:7)	HIGH	QPSK	21.13	21.11	20.91	21.50
	15 (RB_Pos:0)	LOW	QPSK	21.16	21.26	21.09	21.50
	1 (RB_Pos:0)	LOW	16QAM	20.76	20.88	21.14	21.50
	1 (RB_Pos:8)	MIDDLE	16QAM	21.26	21.17	21.17	21.50
	1 (RB_Pos:14)	HIGH	16QAM	20.78	20.82	20.74	21.50
	8 (RB_Pos:0)	LOW	16QAM	21.06	20.98	21.28	21.50
	8 (RB_Pos:3)	MIDDLE	16QAM	21.39	21.11	21.08	21.50
	8 (RB_Pos:7)	HIGH	16QAM	21.09	20.88	21.15	21.50
	15 (RB_Pos:0)	LOW	16QAM	21.05	21.28	21.16	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.71	21.15	20.92	21.50
	1 (RB_Pos:8)	MIDDLE	64QAM	21.09	21.33	21.26	21.50
	1 (RB_Pos:14)	HIGH	64QAM	20.78	20.73	21.10	21.50
	8 (RB_Pos:0)	LOW	64QAM	20.04	19.92	20.35	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	19.94	19.85	19.87	20.50
	8 (RB_Pos:7)	HIGH	64QAM	20.34	20.04	20.04	20.50
	15 (RB_Pos:0)	LOW	64QAM	20.10	20.35	19.86	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19975	20175	20375	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	20.79	20.89	21.02	21.50
	1 (RB_Pos:13)	MIDDLE	QPSK	21.13	21.15	21.19	21.50
	1 (RB_Pos:24)	HIGH	QPSK	20.91	20.83	20.89	21.50
	12 (RB_Pos:0)	LOW	QPSK	21.10	21.11	21.20	21.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.26	21.20	21.13	21.50
	12 (RB_Pos:13)	HIGH	QPSK	21.10	21.03	21.02	21.50
	25 (RB_Pos:0)	LOW	QPSK	21.01	21.24	21.14	21.50
	1 (RB_Pos:0)	LOW	16QAM	20.81	21.10	21.06	21.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.07	21.32	21.14	21.50
	1 (RB_Pos:24)	HIGH	16QAM	20.89	20.80	21.03	21.50
	12 (RB_Pos:0)	LOW	16QAM	21.21	20.97	21.23	21.50

	12 (RB_Pos:6)	MIDDLE	16QAM	21.19	21.18	21.08	21.50
	12 (RB_Pos:13)	HIGH	16QAM	21.14	21.09	21.08	21.50
	25 (RB_Pos:0)	LOW	16QAM	21.23	21.22	21.10	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.90	20.91	20.88	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	21.24	21.34	21.34	21.50
	1 (RB_Pos:24)	HIGH	64QAM	21.04	20.82	21.11	21.50
	12 (RB_Pos:0)	LOW	64QAM	20.03	20.04	20.34	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.08	20.08	20.03	20.50
	12 (RB_Pos:13)	HIGH	64QAM	20.29	20.07	19.94	20.50
	25 (RB_Pos:0)	LOW	64QAM	20.37	20.41	19.95	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20000	20175	20350	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	20.80	21.09	21.01	21.50
	1 (RB_Pos:25)	MIDDLE	QPSK	21.13	21.16	21.26	21.50
	1 (RB_Pos:49)	HIGH	QPSK	20.83	20.90	20.79	21.50
	25 (RB_Pos:0)	LOW	QPSK	21.16	20.96	21.05	21.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.24	21.02	21.08	21.50
	25 (RB_Pos:25)	HIGH	QPSK	21.37	21.08	21.08	21.50
	50 (RB_Pos:0)	LOW	QPSK	21.26	21.08	21.17	21.50
	1 (RB_Pos:0)	LOW	16QAM	20.74	20.95	21.11	21.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.23	21.12	21.32	21.50
	1 (RB_Pos:49)	HIGH	16QAM	20.95	20.76	20.85	21.50
	25 (RB_Pos:0)	LOW	16QAM	21.27	21.06	21.16	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	21.14	21.00	21.17	21.50
	25 (RB_Pos:25)	HIGH	16QAM	21.24	21.19	21.18	21.50
	50 (RB_Pos:0)	LOW	16QAM	21.19	21.15	20.95	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.86	21.06	20.71	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	21.36	21.20	21.13	21.50
	1 (RB_Pos:49)	HIGH	64QAM	20.94	20.94	20.89	21.50
	25 (RB_Pos:0)	LOW	64QAM	20.18	19.91	20.34	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.04	19.94	19.82	20.50
	25 (RB_Pos:25)	HIGH	64QAM	20.11	20.08	19.85	20.50
	50 (RB_Pos:0)	LOW	64QAM	20.30	20.34	19.93	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20025	20175	20325	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	21.00	21.01	21.11	21.50
	1 (RB_Pos:38)	MIDDLE	QPSK	21.24	21.25	21.25	21.50
	1 (RB_Pos:74)	HIGH	QPSK	20.90	20.85	20.88	21.50
	36 (RB_Pos:0)	LOW	QPSK	21.05	21.21	21.21	21.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.23	21.20	20.94	21.50
	36 (RB_Pos:39)	HIGH	QPSK	21.22	21.24	21.16	21.50
	75 (RB_Pos:0)	LOW	QPSK	21.13	21.27	21.18	21.50
	1 (RB_Pos:0)	LOW	16QAM	20.80	21.08	20.85	21.50

	1 (RB_Pos:38)	MIDDLE	16QAM	21.17	21.27	21.33	21.50
	1 (RB_Pos:74)	HIGH	16QAM	20.88	20.97	20.96	21.50
	36 (RB_Pos:0)	LOW	16QAM	21.12	21.01	21.23	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.99	21.25	21.15	21.50
	36 (RB_Pos:39)	HIGH	16QAM	21.21	21.22	21.17	21.50
	75 (RB_Pos:0)	LOW	16QAM	21.02	21.10	20.95	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.84	20.93	20.93	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	21.34	21.34	21.14	21.50
	1 (RB_Pos:74)	HIGH	64QAM	20.97	20.92	21.08	21.50
	36 (RB_Pos:0)	LOW	64QAM	20.12	20.06	20.19	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.87	20.10	19.78	20.50
	36 (RB_Pos:39)	HIGH	64QAM	20.13	20.20	20.09	20.50
	75 (RB_Pos:0)	LOW	64QAM	20.24	20.33	20.02	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20050	20175	20300	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	20.87	21.01	21.00	21.50
	1 (RB_Pos:50)	MIDDLE	QPSK	21.21	21.25	21.23	21.50
	1 (RB_Pos:99)	HIGH	QPSK	20.83	20.91	20.89	21.50
	50 (RB_Pos:0)	LOW	QPSK	21.13	21.11	21.09	21.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.12	21.13	21.07	21.50
	50 (RB_Pos:50)	HIGH	QPSK	21.24	21.17	21.04	21.50
	100 (RB_Pos:0)	LOW	QPSK	21.15	21.17	21.04	21.50
	1 (RB_Pos:0)	LOW	16QAM	20.84	20.94	20.86	21.50
	1 (RB_Pos:50)	MIDDLE	16QAM	21.28	21.28	21.28	21.50
	1 (RB_Pos:99)	HIGH	16QAM	20.93	20.82	21.02	21.50
	50 (RB_Pos:0)	LOW	16QAM	21.05	20.97	21.23	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.98	21.00	20.93	21.50
	50 (RB_Pos:50)	HIGH	16QAM	21.21	21.08	20.97	21.50
	100 (RB_Pos:0)	LOW	16QAM	21.22	21.29	20.98	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.94	20.97	20.98	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	21.28	21.33	21.16	21.50
	1 (RB_Pos:99)	HIGH	64QAM	20.80	20.85	20.91	21.50
	50 (RB_Pos:0)	LOW	64QAM	20.11	19.89	20.23	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.87	20.04	20.02	20.50
	50 (RB_Pos:50)	HIGH	64QAM	20.28	20.14	20.06	20.50
	100 (RB_Pos:0)	LOW	64QAM	20.33	20.31	20.08	20.50

8.6.27 Power Reduced Level 4&5&6-ANT2 of LTE Band 4

FDD LTE Band 4							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19957	20175	20393	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	19.94	19.98	20.10	20.50
	1 (RB_Pos:3)	MIDDLE	QPSK	20.11	20.21	20.16	20.50
	1 (RB_Pos:5)	HIGH	QPSK	19.86	19.84	19.87	20.50
	3 (RB_Pos:0)	LOW	QPSK	20.33	20.15	20.08	20.50
	3 (RB_Pos:1)	MIDDLE	QPSK	20.09	20.20	20.18	20.50
	3 (RB_Pos:3)	HIGH	QPSK	20.29	20.08	20.05	20.50
	6 (RB_Pos:0)	LOW	QPSK	20.10	20.34	20.00	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.68	19.82	20.08	20.50
	1 (RB_Pos:3)	MIDDLE	16QAM	20.36	20.47	20.22	20.50
	1 (RB_Pos:5)	HIGH	16QAM	19.83	19.80	19.76	20.50
	3 (RB_Pos:0)	LOW	16QAM	20.23	20.27	19.99	20.50
	3 (RB_Pos:1)	MIDDLE	16QAM	20.29	20.24	20.39	20.50
	3 (RB_Pos:3)	HIGH	16QAM	20.19	20.15	20.05	20.50
	6 (RB_Pos:0)	LOW	16QAM	20.39	20.11	19.99	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.80	19.83	20.05	20.50
	1 (RB_Pos:3)	MIDDLE	64QAM	20.44	20.39	20.35	20.50
	1 (RB_Pos:5)	HIGH	64QAM	20.08	19.90	19.96	20.50
	3 (RB_Pos:0)	LOW	64QAM	20.10	20.12	20.18	20.50
	3 (RB_Pos:1)	MIDDLE	64QAM	20.18	20.05	20.32	20.50
	3 (RB_Pos:3)	HIGH	64QAM	20.24	20.16	20.05	20.50
	6 (RB_Pos:0)	LOW	64QAM	20.06	20.37	20.17	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19965	20175	20385	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	20.09	20.10	19.94	20.50
	1 (RB_Pos:8)	MIDDLE	QPSK	20.15	20.41	20.36	20.50
	1 (RB_Pos:14)	HIGH	QPSK	19.79	19.93	20.02	20.50
	8 (RB_Pos:0)	LOW	QPSK	20.33	20.20	20.08	20.50
	8 (RB_Pos:3)	MIDDLE	QPSK	20.31	20.16	20.06	20.50
	8 (RB_Pos:7)	HIGH	QPSK	20.20	20.34	20.15	20.50
	15 (RB_Pos:0)	LOW	QPSK	20.05	20.27	19.97	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.90	19.95	19.97	20.50
	1 (RB_Pos:8)	MIDDLE	16QAM	20.43	20.17	20.12	20.50
	1 (RB_Pos:14)	HIGH	16QAM	19.92	20.01	19.98	20.50
	8 (RB_Pos:0)	LOW	16QAM	20.09	20.18	20.09	20.50
	8 (RB_Pos:3)	MIDDLE	16QAM	20.30	20.19	20.26	20.50
	8 (RB_Pos:7)	HIGH	16QAM	20.29	20.35	20.10	20.50
	15 (RB_Pos:0)	LOW	16QAM	20.21	19.96	20.18	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.98	19.86	19.99	20.50
	1 (RB_Pos:8)	MIDDLE	64QAM	20.48	20.41	20.27	20.50

	1 (RB_Pos:14)	HIGH	64QAM	20.14	19.87	20.19	20.50
	8 (RB_Pos:0)	LOW	64QAM	20.24	20.24	20.06	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	20.13	20.07	20.19	20.50
	8 (RB_Pos:7)	HIGH	64QAM	20.35	20.28	20.12	20.50
	15 (RB_Pos:0)	LOW	64QAM	20.07	20.23	20.24	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19975	20175	20375	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	20.09	19.93	20.07	20.50
	1 (RB_Pos:13)	MIDDLE	QPSK	20.24	20.43	20.34	20.50
	1 (RB_Pos:24)	HIGH	QPSK	19.89	20.06	19.78	20.50
	12 (RB_Pos:0)	LOW	QPSK	20.17	20.07	20.32	20.50
	12 (RB_Pos:6)	MIDDLE	QPSK	20.27	20.30	20.22	20.50
	12 (RB_Pos:13)	HIGH	QPSK	20.20	20.07	20.12	20.50
	25 (RB_Pos:0)	LOW	QPSK	20.20	20.28	20.11	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.94	19.97	20.11	20.50
	1 (RB_Pos:13)	MIDDLE	16QAM	20.39	20.30	19.99	20.50
	1 (RB_Pos:24)	HIGH	16QAM	19.92	19.93	19.82	20.50
	12 (RB_Pos:0)	LOW	16QAM	20.03	20.18	19.98	20.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.32	20.26	20.40	20.50
	12 (RB_Pos:13)	HIGH	16QAM	20.23	20.39	20.03	20.50
	25 (RB_Pos:0)	LOW	16QAM	20.16	19.97	19.99	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.77	20.07	19.90	20.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.43	20.29	20.29	20.50
	1 (RB_Pos:24)	HIGH	64QAM	19.91	19.96	20.10	20.50
	12 (RB_Pos:0)	LOW	64QAM	20.23	20.06	20.18	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.28	20.18	20.09	20.50
	12 (RB_Pos:13)	HIGH	64QAM	20.47	20.33	20.07	20.50
	25 (RB_Pos:0)	LOW	64QAM	20.09	20.29	20.17	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20000	20175	20350	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	19.92	20.00	20.11	20.50
	1 (RB_Pos:25)	MIDDLE	QPSK	20.37	20.31	20.13	20.50
	1 (RB_Pos:49)	HIGH	QPSK	19.85	19.91	20.07	20.50
	25 (RB_Pos:0)	LOW	QPSK	20.25	20.14	20.15	20.50
	25 (RB_Pos:12)	MIDDLE	QPSK	20.10	20.27	20.16	20.50
	25 (RB_Pos:25)	HIGH	QPSK	20.14	20.35	20.04	20.50
	50 (RB_Pos:0)	LOW	QPSK	20.11	20.10	20.25	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.93	19.87	20.01	20.50
	1 (RB_Pos:25)	MIDDLE	16QAM	20.43	20.44	19.97	20.50
	1 (RB_Pos:49)	HIGH	16QAM	19.77	20.02	19.93	20.50
	25 (RB_Pos:0)	LOW	16QAM	20.21	20.34	20.02	20.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.29	19.99	20.21	20.50
	25 (RB_Pos:25)	HIGH	16QAM	20.21	20.38	19.93	20.50

	50 (RB_Pos:0)	LOW	16QAM	20.42	20.13	20.17	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.83	19.97	20.09	20.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.36	20.22	20.27	20.50
	1 (RB_Pos:49)	HIGH	64QAM	20.18	20.04	20.09	20.50
	25 (RB_Pos:0)	LOW	64QAM	20.20	20.18	20.08	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.13	20.16	20.36	20.50
	25 (RB_Pos:25)	HIGH	64QAM	20.31	20.37	20.02	20.50
	50 (RB_Pos:0)	LOW	64QAM	20.11	20.39	20.32	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20025	20175	20325	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	19.88	20.07	20.18	20.50
	1 (RB_Pos:38)	MIDDLE	QPSK	20.23	20.23	20.21	20.50
	1 (RB_Pos:74)	HIGH	QPSK	20.02	20.09	20.02	20.50
	36 (RB_Pos:0)	LOW	QPSK	20.10	20.06	20.25	20.50
	36 (RB_Pos:20)	MIDDLE	QPSK	20.14	20.18	20.13	20.50
	36 (RB_Pos:39)	HIGH	QPSK	20.28	20.12	19.93	20.50
	75 (RB_Pos:0)	LOW	QPSK	20.27	20.21	20.02	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.80	19.83	19.92	20.50
	1 (RB_Pos:38)	MIDDLE	16QAM	20.41	20.37	19.99	20.50
	1 (RB_Pos:74)	HIGH	16QAM	19.95	19.93	19.84	20.50
	36 (RB_Pos:0)	LOW	16QAM	19.99	20.23	19.97	20.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.32	20.24	20.15	20.50
	36 (RB_Pos:39)	HIGH	16QAM	20.07	20.33	20.15	20.50
	75 (RB_Pos:0)	LOW	16QAM	20.37	19.98	19.96	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.97	19.94	20.01	20.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.37	20.21	20.26	20.50
	1 (RB_Pos:74)	HIGH	64QAM	20.11	19.83	20.09	20.50
	36 (RB_Pos:0)	LOW	64QAM	20.08	20.22	20.21	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	20.13	20.13	20.33	20.50
	36 (RB_Pos:39)	HIGH	64QAM	20.25	20.34	19.88	20.50
	75 (RB_Pos:0)	LOW	64QAM	20.17	20.16	20.13	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20050	20175	20300	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	19.95	20.04	20.09	20.50
	1 (RB_Pos:50)	MIDDLE	QPSK	20.26	20.30	20.22	20.50
	1 (RB_Pos:99)	HIGH	QPSK	19.89	19.97	19.93	20.50
	50 (RB_Pos:0)	LOW	QPSK	20.18	20.20	20.21	20.50
	50 (RB_Pos:25)	MIDDLE	QPSK	20.21	20.17	20.13	20.50
	50 (RB_Pos:50)	HIGH	QPSK	20.25	20.20	20.06	20.50
	100 (RB_Pos:0)	LOW	QPSK	20.17	20.19	20.11	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.82	19.94	20.07	20.50
	1 (RB_Pos:50)	MIDDLE	16QAM	20.33	20.32	20.09	20.50
	1 (RB_Pos:99)	HIGH	16QAM	19.92	19.94	19.83	20.50

	50 (RB_Pos:0)	LOW	16QAM	20.08	20.26	20.06	20.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.26	20.12	20.25	20.50
	50 (RB_Pos:50)	HIGH	16QAM	20.21	20.27	20.03	20.50
	100 (RB_Pos:0)	LOW	16QAM	20.28	20.04	20.07	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.83	19.92	19.96	20.50
	1 (RB_Pos:50)	MIDDLE	64QAM	20.40	20.36	20.33	20.50
	1 (RB_Pos:99)	HIGH	64QAM	20.04	19.93	20.05	20.50
	50 (RB_Pos:0)	LOW	64QAM	20.10	20.10	20.19	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	20.23	20.16	20.22	20.50
	50 (RB_Pos:50)	HIGH	64QAM	20.32	20.22	20.00	20.50
	100 (RB_Pos:0)	LOW	64QAM	20.10	20.31	20.21	20.50

8.6.28 Power Reduced Level 1&2&3-ANT3 of LTE Band 4

FDD LTE Band 4							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19957	20175	20393	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	22.45	22.50	22.43	23.50
	1 (RB_Pos:3)	MIDDLE	QPSK	22.57	22.63	22.63	23.50
	1 (RB_Pos:5)	HIGH	QPSK	22.48	22.52	22.42	23.50
	3 (RB_Pos:0)	LOW	QPSK	22.68	22.70	22.56	23.50
	3 (RB_Pos:1)	MIDDLE	QPSK	22.68	22.71	22.58	23.50
	3 (RB_Pos:3)	HIGH	QPSK	22.70	22.71	22.63	23.50
	6 (RB_Pos:0)	LOW	QPSK	21.47	21.51	21.45	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.66	22.04	21.50	22.50
	1 (RB_Pos:3)	MIDDLE	16QAM	21.82	22.14	21.61	22.50
	1 (RB_Pos:5)	HIGH	16QAM	21.66	22.05	21.55	22.50
	3 (RB_Pos:0)	LOW	16QAM	21.73	21.96	21.69	22.50
	3 (RB_Pos:1)	MIDDLE	16QAM	21.71	21.91	21.75	22.50
	3 (RB_Pos:3)	HIGH	16QAM	21.73	21.92	21.77	22.50
	6 (RB_Pos:0)	LOW	16QAM	20.73	20.53	20.67	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.81	21.01	20.53	21.50
	1 (RB_Pos:3)	MIDDLE	64QAM	20.93	21.28	20.47	21.50
	1 (RB_Pos:5)	HIGH	64QAM	20.68	21.18	20.66	21.50
	3 (RB_Pos:0)	LOW	64QAM	21.34	21.33	21.33	21.50
	3 (RB_Pos:1)	MIDDLE	64QAM	21.17	21.32	21.14	21.50
	3 (RB_Pos:3)	HIGH	64QAM	21.37	21.45	21.18	21.50
	6 (RB_Pos:0)	LOW	64QAM	20.32	20.05	20.02	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19965	20175	20385	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.56	22.57	22.54	23.50
	1 (RB_Pos:8)	MIDDLE	QPSK	22.45	22.45	22.47	23.50
	1 (RB_Pos:14)	HIGH	QPSK	22.51	22.58	22.53	23.50

	8 (RB_Pos:0)	LOW	QPSK	21.61	21.60	21.49	22.50
	8 (RB_Pos:3)	MIDDLE	QPSK	21.64	21.65	21.50	22.50
	8 (RB_Pos:7)	HIGH	QPSK	21.59	21.63	21.44	22.50
	15 (RB_Pos:0)	LOW	QPSK	21.60	21.64	21.50	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.56	22.12	21.57	22.50
	1 (RB_Pos:8)	MIDDLE	16QAM	21.46	22.04	21.46	22.50
	1 (RB_Pos:14)	HIGH	16QAM	21.47	22.07	21.52	22.50
	8 (RB_Pos:0)	LOW	16QAM	20.75	20.76	20.54	21.50
	8 (RB_Pos:3)	MIDDLE	16QAM	20.75	20.75	20.55	21.50
	8 (RB_Pos:7)	HIGH	16QAM	20.71	20.70	20.52	21.50
	15 (RB_Pos:0)	LOW	16QAM	20.63	20.65	20.46	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.57	21.02	20.63	21.50
	1 (RB_Pos:8)	MIDDLE	64QAM	20.45	20.94	20.52	21.50
	1 (RB_Pos:14)	HIGH	64QAM	20.56	21.00	20.58	21.50
	8 (RB_Pos:0)	LOW	64QAM	20.29	20.25	20.07	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	20.27	20.17	19.92	20.50
	8 (RB_Pos:7)	HIGH	64QAM	20.12	20.24	20.08	20.50
	15 (RB_Pos:0)	LOW	64QAM	20.10	20.06	19.85	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19975	20175	20375	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.57	22.52	22.50	23.50
	1 (RB_Pos:13)	MIDDLE	QPSK	22.51	22.54	22.49	23.50
	1 (RB_Pos:24)	HIGH	QPSK	22.53	22.52	22.49	23.50
	12 (RB_Pos:0)	LOW	QPSK	21.63	21.62	21.51	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.63	21.67	21.54	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.61	21.66	21.52	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.62	21.65	21.52	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.83	22.19	21.62	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.78	22.20	21.58	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.80	22.17	21.60	22.50
	12 (RB_Pos:0)	LOW	16QAM	20.73	20.75	20.63	21.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.76	20.81	20.63	21.50
	12 (RB_Pos:13)	HIGH	16QAM	20.74	20.78	20.54	21.50
	25 (RB_Pos:0)	LOW	16QAM	20.72	20.72	20.50	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.85	21.24	20.54	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.64	21.21	20.51	21.50
	1 (RB_Pos:24)	HIGH	64QAM	20.85	21.05	20.59	21.50
	12 (RB_Pos:0)	LOW	64QAM	20.37	20.12	20.06	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.31	20.36	20.13	20.50
	12 (RB_Pos:13)	HIGH	64QAM	20.25	20.17	19.90	20.50
	25 (RB_Pos:0)	LOW	64QAM	20.22	20.34	20.09	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20000	20175	20350	Tune up limit (dBm)

10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.54	22.49	22.48	23.50
	1 (RB_Pos:25)	MIDDLE	QPSK	22.61	22.73	22.65	23.50
	1 (RB_Pos:49)	HIGH	QPSK	22.50	22.47	22.46	23.50
	25 (RB_Pos:0)	LOW	QPSK	21.67	21.60	21.53	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.66	21.59	21.53	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.62	21.66	21.52	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.64	21.69	21.56	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.54	22.02	21.48	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.62	22.16	21.67	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.55	21.97	21.46	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.70	20.73	20.63	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.69	20.68	20.67	21.50
	25 (RB_Pos:25)	HIGH	16QAM	20.75	20.74	20.63	21.50
	50 (RB_Pos:0)	LOW	16QAM	20.68	20.74	20.58	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.54	20.93	20.43	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.77	21.16	20.76	21.50
	1 (RB_Pos:49)	HIGH	64QAM	20.45	20.89	20.33	21.50
	25 (RB_Pos:0)	LOW	64QAM	20.07	20.22	20.10	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.31	20.17	20.03	20.50
	25 (RB_Pos:25)	HIGH	64QAM	20.22	20.16	20.18	20.50
	50 (RB_Pos:0)	LOW	64QAM	20.24	20.39	20.11	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20025	20175	20325	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.52	22.52	22.45	23.50
	1 (RB_Pos:38)	MIDDLE	QPSK	22.47	22.51	22.54	23.50
	1 (RB_Pos:74)	HIGH	QPSK	22.42	22.46	22.45	23.50
	36 (RB_Pos:0)	LOW	QPSK	21.59	21.60	21.55	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.61	21.61	21.62	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.67	21.64	21.62	22.50
	75 (RB_Pos:0)	LOW	QPSK	21.65	21.65	21.65	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.55	22.03	21.94	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	21.52	21.99	21.92	22.50
	1 (RB_Pos:74)	HIGH	16QAM	21.50	21.92	21.84	22.50
	36 (RB_Pos:0)	LOW	16QAM	20.66	20.66	20.52	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.70	20.71	20.54	21.50
	36 (RB_Pos:39)	HIGH	16QAM	20.66	20.70	20.55	21.50
	75 (RB_Pos:0)	LOW	16QAM	20.67	20.70	20.56	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.41	21.06	20.98	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.48	20.97	20.94	21.50
	1 (RB_Pos:74)	HIGH	64QAM	20.45	20.91	20.78	21.50
	36 (RB_Pos:0)	LOW	64QAM	20.25	20.14	20.08	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	20.19	20.23	20.15	20.50
	36 (RB_Pos:39)	HIGH	64QAM	20.08	20.18	20.05	20.50
	75 (RB_Pos:0)	LOW	64QAM	20.28	20.22	20.13	20.50

Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20050	20175	20300	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.49	22.46	22.31	23.50
	1 (RB_Pos:50)	MIDDLE	QPSK	22.73	22.67	22.52	23.50
	1 (RB_Pos:99)	HIGH	QPSK	22.34	22.42	22.29	23.50
	50 (RB_Pos:0)	LOW	QPSK	21.59	21.60	21.49	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.67	21.59	21.56	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.69	21.67	21.53	22.50
	100 (RB_Pos:0)	LOW	QPSK	21.62	21.65	21.52	22.50
	1 (RB_Pos:0)	LOW	16QAM	22.07	22.02	21.86	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	22.34	22.17	22.06	22.50
	1 (RB_Pos:99)	HIGH	16QAM	22.00	21.86	21.75	22.50
	50 (RB_Pos:0)	LOW	16QAM	20.72	20.62	20.57	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.83	20.68	20.59	21.50
	50 (RB_Pos:50)	HIGH	16QAM	20.79	20.66	20.51	21.50
	100 (RB_Pos:0)	LOW	16QAM	20.70	20.66	20.54	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.96	21.10	20.93	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	21.47	21.29	20.97	21.50
	1 (RB_Pos:99)	HIGH	64QAM	21.03	20.87	20.82	21.50
	50 (RB_Pos:0)	LOW	64QAM	20.30	20.22	20.03	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	20.38	20.23	20.23	20.50
	50 (RB_Pos:50)	HIGH	64QAM	20.23	20.26	20.06	20.50
	100 (RB_Pos:0)	LOW	64QAM	20.10	20.17	20.19	20.50

8.6.29 Power Reduced Level 4&5&6-ANT3 of LTE Band 4

FDD LTE Band 4							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19957	20175	20393	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	19.94	19.98	20.10	20.50
	1 (RB_Pos:3)	MIDDLE	QPSK	20.11	20.21	20.16	20.50
	1 (RB_Pos:5)	HIGH	QPSK	19.86	19.84	19.87	20.50
	3 (RB_Pos:0)	LOW	QPSK	20.33	20.15	20.08	20.50
	3 (RB_Pos:1)	MIDDLE	QPSK	20.09	20.20	20.18	20.50
	3 (RB_Pos:3)	HIGH	QPSK	20.29	20.08	20.05	20.50
	6 (RB_Pos:0)	LOW	QPSK	20.10	20.34	20.00	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.68	19.82	20.08	20.50
	1 (RB_Pos:3)	MIDDLE	16QAM	20.36	20.47	20.22	20.50
	1 (RB_Pos:5)	HIGH	16QAM	19.83	19.80	19.76	20.50
	3 (RB_Pos:0)	LOW	16QAM	20.23	20.27	19.99	20.50
	3 (RB_Pos:1)	MIDDLE	16QAM	20.29	20.24	20.39	20.50
	3 (RB_Pos:3)	HIGH	16QAM	20.19	20.15	20.05	20.50
	6 (RB_Pos:0)	LOW	16QAM	20.39	20.11	19.99	20.50

	1 (RB_Pos:0)	LOW	64QAM	19.80	19.83	20.05	20.50
	1 (RB_Pos:3)	MIDDLE	64QAM	20.44	20.39	20.35	20.50
	1 (RB_Pos:5)	HIGH	64QAM	20.08	19.90	19.96	20.50
	3 (RB_Pos:0)	LOW	64QAM	20.10	20.12	20.18	20.50
	3 (RB_Pos:1)	MIDDLE	64QAM	20.18	20.05	20.32	20.50
	3 (RB_Pos:3)	HIGH	64QAM	20.24	20.16	20.05	20.50
	6 (RB_Pos:0)	LOW	64QAM	20.06	20.37	20.17	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19965	20175	20385	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	20.09	20.10	19.94	20.50
	1 (RB_Pos:8)	MIDDLE	QPSK	20.15	20.41	20.36	20.50
	1 (RB_Pos:14)	HIGH	QPSK	19.79	19.93	20.02	20.50
	8 (RB_Pos:0)	LOW	QPSK	20.33	20.20	20.08	20.50
	8 (RB_Pos:3)	MIDDLE	QPSK	20.31	20.16	20.06	20.50
	8 (RB_Pos:7)	HIGH	QPSK	20.20	20.34	20.15	20.50
	15 (RB_Pos:0)	LOW	QPSK	20.05	20.27	19.97	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.90	19.95	19.97	20.50
	1 (RB_Pos:8)	MIDDLE	16QAM	20.43	20.17	20.12	20.50
	1 (RB_Pos:14)	HIGH	16QAM	19.92	20.01	19.98	20.50
	8 (RB_Pos:0)	LOW	16QAM	20.09	20.18	20.09	20.50
	8 (RB_Pos:3)	MIDDLE	16QAM	20.30	20.19	20.26	20.50
	8 (RB_Pos:7)	HIGH	16QAM	20.29	20.35	20.10	20.50
	15 (RB_Pos:0)	LOW	16QAM	20.21	19.96	20.18	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.98	19.86	19.99	20.50
	1 (RB_Pos:8)	MIDDLE	64QAM	20.48	20.41	20.27	20.50
	1 (RB_Pos:14)	HIGH	64QAM	20.14	19.87	20.19	20.50
	8 (RB_Pos:0)	LOW	64QAM	20.24	20.24	20.06	20.50
	8 (RB_Pos:3)	MIDDLE	64QAM	20.13	20.07	20.19	20.50
	8 (RB_Pos:7)	HIGH	64QAM	20.35	20.28	20.12	20.50
	15 (RB_Pos:0)	LOW	64QAM	20.07	20.23	20.24	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			19975	20175	20375	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	20.09	19.93	20.07	20.50
	1 (RB_Pos:13)	MIDDLE	QPSK	20.24	20.43	20.34	20.50
	1 (RB_Pos:24)	HIGH	QPSK	19.89	20.06	19.78	20.50
	12 (RB_Pos:0)	LOW	QPSK	20.17	20.07	20.32	20.50
	12 (RB_Pos:6)	MIDDLE	QPSK	20.27	20.30	20.22	20.50
	12 (RB_Pos:13)	HIGH	QPSK	20.20	20.07	20.12	20.50
	25 (RB_Pos:0)	LOW	QPSK	20.20	20.28	20.11	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.94	19.97	20.11	20.50
	1 (RB_Pos:13)	MIDDLE	16QAM	20.39	20.30	19.99	20.50
	1 (RB_Pos:24)	HIGH	16QAM	19.92	19.93	19.82	20.50
	12 (RB_Pos:0)	LOW	16QAM	20.03	20.18	19.98	20.50

	12 (RB_Pos:6)	MIDDLE	16QAM	20.32	20.26	20.40	20.50
	12 (RB_Pos:13)	HIGH	16QAM	20.23	20.39	20.03	20.50
	25 (RB_Pos:0)	LOW	16QAM	20.16	19.97	19.99	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.77	20.07	19.90	20.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.43	20.29	20.29	20.50
	1 (RB_Pos:24)	HIGH	64QAM	19.91	19.96	20.10	20.50
	12 (RB_Pos:0)	LOW	64QAM	20.23	20.06	20.18	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.28	20.18	20.09	20.50
	12 (RB_Pos:13)	HIGH	64QAM	20.47	20.33	20.07	20.50
	25 (RB_Pos:0)	LOW	64QAM	20.09	20.29	20.17	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20000	20175	20350	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	19.92	20.00	20.11	20.50
	1 (RB_Pos:25)	MIDDLE	QPSK	20.37	20.31	20.13	20.50
	1 (RB_Pos:49)	HIGH	QPSK	19.85	19.91	20.07	20.50
	25 (RB_Pos:0)	LOW	QPSK	20.25	20.14	20.15	20.50
	25 (RB_Pos:12)	MIDDLE	QPSK	20.10	20.27	20.16	20.50
	25 (RB_Pos:25)	HIGH	QPSK	20.14	20.35	20.04	20.50
	50 (RB_Pos:0)	LOW	QPSK	20.11	20.10	20.25	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.93	19.87	20.01	20.50
	1 (RB_Pos:25)	MIDDLE	16QAM	20.43	20.44	19.97	20.50
	1 (RB_Pos:49)	HIGH	16QAM	19.77	20.02	19.93	20.50
	25 (RB_Pos:0)	LOW	16QAM	20.21	20.34	20.02	20.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.29	19.99	20.21	20.50
	25 (RB_Pos:25)	HIGH	16QAM	20.21	20.38	19.93	20.50
	50 (RB_Pos:0)	LOW	16QAM	20.42	20.13	20.17	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.83	19.97	20.09	20.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.36	20.22	20.27	20.50
	1 (RB_Pos:49)	HIGH	64QAM	20.18	20.04	20.09	20.50
	25 (RB_Pos:0)	LOW	64QAM	20.20	20.18	20.08	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.13	20.16	20.36	20.50
	25 (RB_Pos:25)	HIGH	64QAM	20.31	20.37	20.02	20.50
	50 (RB_Pos:0)	LOW	64QAM	20.11	20.39	20.32	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20025	20175	20325	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	19.88	20.07	20.18	20.50
	1 (RB_Pos:38)	MIDDLE	QPSK	20.23	20.23	20.21	20.50
	1 (RB_Pos:74)	HIGH	QPSK	20.02	20.09	20.02	20.50
	36 (RB_Pos:0)	LOW	QPSK	20.10	20.06	20.25	20.50
	36 (RB_Pos:20)	MIDDLE	QPSK	20.14	20.18	20.13	20.50
	36 (RB_Pos:39)	HIGH	QPSK	20.28	20.12	19.93	20.50
	75 (RB_Pos:0)	LOW	QPSK	20.27	20.21	20.02	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.80	19.83	19.92	20.50

	1 (RB_Pos:38)	MIDDLE	16QAM	20.41	20.37	19.99	20.50
	1 (RB_Pos:74)	HIGH	16QAM	19.95	19.93	19.84	20.50
	36 (RB_Pos:0)	LOW	16QAM	19.99	20.23	19.97	20.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.32	20.24	20.15	20.50
	36 (RB_Pos:39)	HIGH	16QAM	20.07	20.33	20.15	20.50
	75 (RB_Pos:0)	LOW	16QAM	20.37	19.98	19.96	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.97	19.94	20.01	20.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.37	20.21	20.26	20.50
	1 (RB_Pos:74)	HIGH	64QAM	20.11	19.83	20.09	20.50
	36 (RB_Pos:0)	LOW	64QAM	20.08	20.22	20.21	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	20.13	20.13	20.33	20.50
	36 (RB_Pos:39)	HIGH	64QAM	20.25	20.34	19.88	20.50
	75 (RB_Pos:0)	LOW	64QAM	20.17	20.16	20.13	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20050	20175	20300	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	19.95	20.04	20.09	20.50
	1 (RB_Pos:50)	MIDDLE	QPSK	20.26	20.30	20.22	20.50
	1 (RB_Pos:99)	HIGH	QPSK	19.89	19.97	19.93	20.50
	50 (RB_Pos:0)	LOW	QPSK	20.18	20.20	20.21	20.50
	50 (RB_Pos:25)	MIDDLE	QPSK	20.21	20.17	20.13	20.50
	50 (RB_Pos:50)	HIGH	QPSK	20.25	20.20	20.06	20.50
	100 (RB_Pos:0)	LOW	QPSK	20.17	20.19	20.11	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.82	19.94	20.07	20.50
	1 (RB_Pos:50)	MIDDLE	16QAM	20.33	20.32	20.09	20.50
	1 (RB_Pos:99)	HIGH	16QAM	19.92	19.94	19.83	20.50
	50 (RB_Pos:0)	LOW	16QAM	20.08	20.26	20.06	20.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.26	20.12	20.25	20.50
	50 (RB_Pos:50)	HIGH	16QAM	20.21	20.27	20.03	20.50
	100 (RB_Pos:0)	LOW	16QAM	20.28	20.04	20.07	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.83	19.92	19.96	20.50
	1 (RB_Pos:50)	MIDDLE	64QAM	20.40	20.36	20.33	20.50
	1 (RB_Pos:99)	HIGH	64QAM	20.04	19.93	20.05	20.50
	50 (RB_Pos:0)	LOW	64QAM	20.10	20.10	20.19	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	20.23	20.16	20.22	20.50
	50 (RB_Pos:50)	HIGH	64QAM	20.32	20.22	20.00	20.50
	100 (RB_Pos:0)	LOW	64QAM	20.10	20.31	20.21	20.50

8.6.30 Power Reduced Level 1-ANT2 of LTE Band 7

FDD LTE Band 7							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20775	21100	21425	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	16.00	16.13	16.04	16.50
	1 (RB_Pos:13)	MIDDLE	QPSK	15.87	16.11	16.09	16.50
	1 (RB_Pos:24)	HIGH	QPSK	15.92	15.96	16.15	16.50
	12 (RB_Pos:0)	LOW	QPSK	16.08	16.10	15.95	16.50
	12 (RB_Pos:6)	MIDDLE	QPSK	16.05	15.88	16.15	16.50
	12 (RB_Pos:13)	HIGH	QPSK	15.89	16.01	15.87	16.50
	25 (RB_Pos:0)	LOW	QPSK	16.11	15.90	16.08	16.50
	1 (RB_Pos:0)	LOW	16QAM	16.01	16.08	15.89	16.50
	1 (RB_Pos:13)	MIDDLE	16QAM	15.89	15.91	15.88	16.50
	1 (RB_Pos:24)	HIGH	16QAM	15.89	16.11	16.03	16.50
	12 (RB_Pos:0)	LOW	16QAM	15.95	15.90	16.13	16.50
	12 (RB_Pos:6)	MIDDLE	16QAM	16.05	16.05	15.93	16.50
	12 (RB_Pos:13)	HIGH	16QAM	16.04	15.99	15.87	16.50
	25 (RB_Pos:0)	LOW	16QAM	15.97	16.11	15.87	16.50
	1 (RB_Pos:0)	LOW	64QAM	15.96	15.87	16.11	16.50
	1 (RB_Pos:13)	MIDDLE	64QAM	15.87	15.92	16.07	16.50
	1 (RB_Pos:24)	HIGH	64QAM	16.10	16.03	16.03	16.50
	12 (RB_Pos:0)	LOW	64QAM	16.10	15.94	15.99	16.50
	12 (RB_Pos:6)	MIDDLE	64QAM	16.07	16.13	16.04	16.50
	12 (RB_Pos:13)	HIGH	64QAM	16.07	16.00	15.95	16.50
	25 (RB_Pos:0)	LOW	64QAM	16.04	16.10	16.00	16.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20800	21100	21400	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	15.86	16.06	16.09	16.50
	1 (RB_Pos:25)	MIDDLE	QPSK	16.14	15.98	16.11	16.50
	1 (RB_Pos:49)	HIGH	QPSK	15.88	15.96	15.94	16.50
	25 (RB_Pos:0)	LOW	QPSK	16.05	16.08	15.90	16.50
	25 (RB_Pos:12)	MIDDLE	QPSK	16.07	16.08	15.94	16.50
	25 (RB_Pos:25)	HIGH	QPSK	16.09	16.04	15.89	16.50
	50 (RB_Pos:0)	LOW	QPSK	16.01	15.85	15.98	16.50
	1 (RB_Pos:0)	LOW	16QAM	15.91	15.86	15.87	16.50
	1 (RB_Pos:25)	MIDDLE	16QAM	15.88	15.99	15.97	16.50
	1 (RB_Pos:49)	HIGH	16QAM	16.08	15.93	16.04	16.50
	25 (RB_Pos:0)	LOW	16QAM	15.99	15.92	15.85	16.50
	25 (RB_Pos:12)	MIDDLE	16QAM	16.00	15.98	15.98	16.50
	25 (RB_Pos:25)	HIGH	16QAM	15.85	15.92	16.05	16.50
	50 (RB_Pos:0)	LOW	16QAM	15.91	15.93	15.93	16.50
	1 (RB_Pos:0)	LOW	64QAM	15.96	16.14	16.09	16.50
	1 (RB_Pos:25)	MIDDLE	64QAM	15.85	16.02	15.85	16.50

	1 (RB_Pos:49)	HIGH	64QAM	15.97	15.90	15.96	16.50
	25 (RB_Pos:0)	LOW	64QAM	16.05	16.15	15.85	16.50
	25 (RB_Pos:12)	MIDDLE	64QAM	16.07	16.05	16.00	16.50
	25 (RB_Pos:25)	HIGH	64QAM	16.09	16.01	15.95	16.50
	50 (RB_Pos:0)	LOW	64QAM	15.95	15.86	15.99	16.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20825	21100	21375	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	16.08	16.03	15.90	16.50
	1 (RB_Pos:38)	MIDDLE	QPSK	16.04	16.05	16.15	16.50
	1 (RB_Pos:74)	HIGH	QPSK	16.06	16.04	16.06	16.50
	36 (RB_Pos:0)	LOW	QPSK	15.86	16.13	16.03	16.50
	36 (RB_Pos:20)	MIDDLE	QPSK	15.87	16.06	16.10	16.50
	36 (RB_Pos:39)	HIGH	QPSK	16.06	16.02	16.01	16.50
	75 (RB_Pos:0)	LOW	QPSK	15.98	16.11	16.05	16.50
	1 (RB_Pos:0)	LOW	16QAM	15.92	15.99	16.09	16.50
	1 (RB_Pos:38)	MIDDLE	16QAM	15.96	16.05	16.14	16.50
	1 (RB_Pos:74)	HIGH	16QAM	15.99	15.86	15.90	16.50
	36 (RB_Pos:0)	LOW	16QAM	15.89	15.88	16.10	16.50
	36 (RB_Pos:20)	MIDDLE	16QAM	15.95	16.12	15.90	16.50
	36 (RB_Pos:39)	HIGH	16QAM	16.03	16.13	15.91	16.50
	75 (RB_Pos:0)	LOW	16QAM	16.13	15.94	16.04	16.50
	1 (RB_Pos:0)	LOW	64QAM	16.03	16.10	15.88	16.50
	1 (RB_Pos:38)	MIDDLE	64QAM	15.93	15.96	16.02	16.50
	1 (RB_Pos:74)	HIGH	64QAM	16.12	16.13	16.05	16.50
	36 (RB_Pos:0)	LOW	64QAM	15.92	15.88	15.95	16.50
	36 (RB_Pos:20)	MIDDLE	64QAM	15.89	15.97	16.11	16.50
	36 (RB_Pos:39)	HIGH	64QAM	16.14	15.86	15.92	16.50
	75 (RB_Pos:0)	LOW	64QAM	15.96	15.93	16.09	16.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20850	21100	21350	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	16.09	16.09	16.05	16.50
	1 (RB_Pos:50)	MIDDLE	QPSK	16.00	15.91	16.04	16.50
	1 (RB_Pos:99)	HIGH	QPSK	16.12	15.93	15.87	16.50
	50 (RB_Pos:0)	LOW	QPSK	16.08	16.03	16.04	16.50
	50 (RB_Pos:25)	MIDDLE	QPSK	15.96	16.03	15.89	16.50
	50 (RB_Pos:50)	HIGH	QPSK	16.00	16.01	15.87	16.50
	100 (RB_Pos:0)	LOW	QPSK	15.86	16.07	15.97	16.50
	1 (RB_Pos:0)	LOW	16QAM	16.09	15.85	16.11	16.50
	1 (RB_Pos:50)	MIDDLE	16QAM	16.09	15.87	16.06	16.50
	1 (RB_Pos:99)	HIGH	16QAM	16.02	16.08	16.10	16.50
	50 (RB_Pos:0)	LOW	16QAM	15.97	15.94	15.89	16.50
	50 (RB_Pos:25)	MIDDLE	16QAM	16.02	15.92	16.14	16.50
	50 (RB_Pos:50)	HIGH	16QAM	16.07	16.13	15.97	16.50

	100 (RB_Pos:0)	LOW	16QAM	15.99	16.10	16.01	16.50
	1 (RB_Pos:0)	LOW	64QAM	16.02	15.97	15.89	16.50
	1 (RB_Pos:50)	MIDDLE	64QAM	16.12	16.03	16.09	16.50
	1 (RB_Pos:99)	HIGH	64QAM	15.93	16.02	15.95	16.50
	50 (RB_Pos:0)	LOW	64QAM	15.85	16.04	16.01	16.50
	50 (RB_Pos:25)	MIDDLE	64QAM	15.91	16.00	15.99	16.50
	50 (RB_Pos:50)	HIGH	64QAM	16.02	16.13	16.05	16.50
	100 (RB_Pos:0)	LOW	64QAM	16.10	15.87	16.14	16.50

8.6.31 Power Reduced Level 2&3&5&6-ANT2 of LTE Band 7

FDD LTE Band 7							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20775	21100	21425	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	15.06	14.85	15.12	15.50
	1 (RB_Pos:13)	MIDDLE	QPSK	15.07	15.36	15.18	15.50
	1 (RB_Pos:24)	HIGH	QPSK	14.83	14.78	14.84	15.50
	12 (RB_Pos:0)	LOW	QPSK	14.94	15.02	15.28	15.50
	12 (RB_Pos:6)	MIDDLE	QPSK	14.92	15.12	15.08	15.50
	12 (RB_Pos:13)	HIGH	QPSK	15.14	15.20	15.02	15.50
	25 (RB_Pos:0)	LOW	QPSK	15.13	15.13	15.07	15.50
	1 (RB_Pos:0)	LOW	16QAM	15.08	14.88	15.12	15.50
	1 (RB_Pos:13)	MIDDLE	16QAM	15.26	14.98	15.16	15.50
	1 (RB_Pos:24)	HIGH	16QAM	15.12	14.78	15.18	15.50
	12 (RB_Pos:0)	LOW	16QAM	14.71	14.97	15.07	15.50
	12 (RB_Pos:6)	MIDDLE	16QAM	14.86	14.98	14.84	15.50
	12 (RB_Pos:13)	HIGH	16QAM	15.17	14.98	15.25	15.50
	25 (RB_Pos:0)	LOW	16QAM	15.23	15.08	15.00	15.50
	1 (RB_Pos:0)	LOW	64QAM	14.99	14.93	14.94	15.50
	1 (RB_Pos:13)	MIDDLE	64QAM	15.28	15.14	15.45	15.50
	1 (RB_Pos:24)	HIGH	64QAM	15.19	14.98	15.13	15.50
	12 (RB_Pos:0)	LOW	64QAM	14.99	14.90	15.08	15.50
	12 (RB_Pos:6)	MIDDLE	64QAM	14.91	14.99	15.10	15.50
	12 (RB_Pos:13)	HIGH	64QAM	15.36	15.07	15.19	15.50
	25 (RB_Pos:0)	LOW	64QAM	14.87	15.11	14.87	15.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20800	21100	21400	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	14.84	14.94	15.13	15.50
	1 (RB_Pos:25)	MIDDLE	QPSK	15.36	15.29	15.37	15.50
	1 (RB_Pos:49)	HIGH	QPSK	14.95	14.98	15.13	15.50
	25 (RB_Pos:0)	LOW	QPSK	14.86	15.12	15.28	15.50
	25 (RB_Pos:12)	MIDDLE	QPSK	15.08	15.17	15.22	15.50
	25 (RB_Pos:25)	HIGH	QPSK	15.18	15.11	15.19	15.50

	50 (RB_Pos:0)	LOW	QPSK	15.14	15.07	15.23	15.50
	1 (RB_Pos:0)	LOW	16QAM	14.88	14.86	15.00	15.50
	1 (RB_Pos:25)	MIDDLE	16QAM	15.39	15.00	15.16	15.50
	1 (RB_Pos:49)	HIGH	16QAM	15.10	14.88	15.07	15.50
	25 (RB_Pos:0)	LOW	16QAM	14.72	14.84	15.16	15.50
	25 (RB_Pos:12)	MIDDLE	16QAM	14.89	14.99	14.99	15.50
	25 (RB_Pos:25)	HIGH	16QAM	15.20	14.90	15.34	15.50
	50 (RB_Pos:0)	LOW	16QAM	15.15	15.00	14.97	15.50
	1 (RB_Pos:0)	LOW	64QAM	15.14	15.01	15.14	15.50
	1 (RB_Pos:25)	MIDDLE	64QAM	15.42	15.14	15.25	15.50
	1 (RB_Pos:49)	HIGH	64QAM	14.97	14.96	15.28	15.50
	25 (RB_Pos:0)	LOW	64QAM	14.77	14.94	15.24	15.50
	25 (RB_Pos:12)	MIDDLE	64QAM	14.98	15.00	14.93	15.50
	25 (RB_Pos:25)	HIGH	64QAM	15.29	14.99	15.26	15.50
	50 (RB_Pos:0)	LOW	64QAM	15.03	15.04	14.88	15.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20825	21100	21375	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	14.89	14.89	15.14	15.50
	1 (RB_Pos:38)	MIDDLE	QPSK	15.09	15.19	15.31	15.50
	1 (RB_Pos:74)	HIGH	QPSK	14.89	14.85	15.10	15.50
	36 (RB_Pos:0)	LOW	QPSK	15.06	15.00	15.05	15.50
	36 (RB_Pos:20)	MIDDLE	QPSK	15.20	15.07	15.13	15.50
	36 (RB_Pos:39)	HIGH	QPSK	14.96	14.97	15.07	15.50
	75 (RB_Pos:0)	LOW	QPSK	15.05	15.18	15.00	15.50
	1 (RB_Pos:0)	LOW	16QAM	14.88	14.97	15.08	15.50
	1 (RB_Pos:38)	MIDDLE	16QAM	15.29	15.26	15.27	15.50
	1 (RB_Pos:74)	HIGH	16QAM	15.07	14.88	15.22	15.50
	36 (RB_Pos:0)	LOW	16QAM	14.73	15.01	15.23	15.50
	36 (RB_Pos:20)	MIDDLE	16QAM	14.87	14.88	14.88	15.50
	36 (RB_Pos:39)	HIGH	16QAM	15.14	14.82	15.18	15.50
	75 (RB_Pos:0)	LOW	16QAM	15.02	14.98	15.03	15.50
	1 (RB_Pos:0)	LOW	64QAM	15.03	14.87	15.11	15.50
	1 (RB_Pos:38)	MIDDLE	64QAM	15.46	15.34	15.45	15.50
	1 (RB_Pos:74)	HIGH	64QAM	15.17	14.96	15.16	15.50
	36 (RB_Pos:0)	LOW	64QAM	15.04	14.75	15.29	15.50
	36 (RB_Pos:20)	MIDDLE	64QAM	15.02	15.06	14.97	15.50
	36 (RB_Pos:39)	HIGH	64QAM	15.30	15.11	15.27	15.50
	75 (RB_Pos:0)	LOW	64QAM	15.06	15.11	14.78	15.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20850	21100	21350	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	14.95	14.93	15.00	15.50
	1 (RB_Pos:50)	MIDDLE	QPSK	15.21	15.23	15.32	15.50
	1 (RB_Pos:99)	HIGH	QPSK	14.89	14.86	14.99	15.50

	50 (RB_Pos:0)	LOW	QPSK	14.99	15.09	15.17	15.50
	50 (RB_Pos:25)	MIDDLE	QPSK	15.06	15.08	15.13	15.50
	50 (RB_Pos:50)	HIGH	QPSK	15.08	15.09	15.08	15.50
	100 (RB_Pos:0)	LOW	QPSK	15.01	15.09	15.13	15.50
	1 (RB_Pos:0)	LOW	16QAM	14.98	14.98	15.08	15.50
	1 (RB_Pos:50)	MIDDLE	16QAM	15.35	15.13	15.30	15.50
	1 (RB_Pos:99)	HIGH	16QAM	15.03	14.93	15.09	15.50
	50 (RB_Pos:0)	LOW	16QAM	14.86	14.95	15.22	15.50
	50 (RB_Pos:25)	MIDDLE	16QAM	14.91	15.00	14.99	15.50
	50 (RB_Pos:50)	HIGH	16QAM	15.19	14.97	15.23	15.50
	100 (RB_Pos:0)	LOW	16QAM	15.10	15.09	15.01	15.50
	1 (RB_Pos:0)	LOW	64QAM	15.08	14.98	15.04	15.50
	1 (RB_Pos:50)	MIDDLE	64QAM	15.41	15.28	15.40	15.50
	1 (RB_Pos:99)	HIGH	64QAM	15.09	15.06	15.17	15.50
	50 (RB_Pos:0)	LOW	64QAM	14.89	14.83	15.15	15.50
	50 (RB_Pos:25)	MIDDLE	64QAM	15.06	15.04	15.00	15.50
	50 (RB_Pos:50)	HIGH	64QAM	15.33	15.00	15.23	15.50
	100 (RB_Pos:0)	LOW	64QAM	14.97	15.05	14.92	15.50

8.6.32 Power Reduced Level 4-ANT2 of LTE Band 7

FDD LTE Band 7							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20775	21100	21425	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	16.93	17.00	16.96	17.50
	1 (RB_Pos:13)	MIDDLE	QPSK	16.95	16.93	16.89	17.50
	1 (RB_Pos:24)	HIGH	QPSK	17.09	16.85	17.13	17.50
	12 (RB_Pos:0)	LOW	QPSK	17.05	16.86	16.87	17.50
	12 (RB_Pos:6)	MIDDLE	QPSK	16.95	17.03	17.11	17.50
	12 (RB_Pos:13)	HIGH	QPSK	17.13	17.13	17.06	17.50
	25 (RB_Pos:0)	LOW	QPSK	17.00	17.02	16.89	17.50
	1 (RB_Pos:0)	LOW	16QAM	16.97	16.85	16.92	17.50
	1 (RB_Pos:13)	MIDDLE	16QAM	16.94	17.14	17.03	17.50
	1 (RB_Pos:24)	HIGH	16QAM	16.99	17.07	16.92	17.50
	12 (RB_Pos:0)	LOW	16QAM	16.91	17.10	17.02	17.50
	12 (RB_Pos:6)	MIDDLE	16QAM	16.91	17.07	16.97	17.50
	12 (RB_Pos:13)	HIGH	16QAM	17.08	16.87	16.96	17.50
	25 (RB_Pos:0)	LOW	16QAM	17.05	17.15	16.86	17.50
	1 (RB_Pos:0)	LOW	64QAM	17.03	17.13	17.04	17.50
	1 (RB_Pos:13)	MIDDLE	64QAM	17.08	16.85	17.00	17.50
	1 (RB_Pos:24)	HIGH	64QAM	16.95	16.94	17.09	17.50
	12 (RB_Pos:0)	LOW	64QAM	17.07	17.12	16.88	17.50
	12 (RB_Pos:6)	MIDDLE	64QAM	16.99	16.97	17.13	17.50
	12 (RB_Pos:13)	HIGH	64QAM	17.02	16.95	17.06	17.50

	25 (RB_Pos:0)	LOW	64QAM	17.05	17.03	16.87	17.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20800	21100	21400	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	17.07	16.99	16.99	17.50
	1 (RB_Pos:25)	MIDDLE	QPSK	16.91	16.94	17.15	17.50
	1 (RB_Pos:49)	HIGH	QPSK	17.13	16.90	16.99	17.50
	25 (RB_Pos:0)	LOW	QPSK	17.15	17.13	17.05	17.50
	25 (RB_Pos:12)	MIDDLE	QPSK	17.03	17.08	17.13	17.50
	25 (RB_Pos:25)	HIGH	QPSK	16.97	16.91	16.96	17.50
	50 (RB_Pos:0)	LOW	QPSK	16.94	16.86	16.99	17.50
	1 (RB_Pos:0)	LOW	16QAM	16.87	16.90	16.99	17.50
	1 (RB_Pos:25)	MIDDLE	16QAM	17.02	16.91	17.12	17.50
	1 (RB_Pos:49)	HIGH	16QAM	17.13	16.94	16.85	17.50
	25 (RB_Pos:0)	LOW	16QAM	16.91	16.93	17.13	17.50
	25 (RB_Pos:12)	MIDDLE	16QAM	16.90	17.09	16.85	17.50
	25 (RB_Pos:25)	HIGH	16QAM	16.92	17.05	16.86	17.50
	50 (RB_Pos:0)	LOW	16QAM	17.10	17.05	16.96	17.50
	1 (RB_Pos:0)	LOW	64QAM	16.96	17.14	16.88	17.50
	1 (RB_Pos:25)	MIDDLE	64QAM	17.02	16.99	16.85	17.50
	1 (RB_Pos:49)	HIGH	64QAM	17.01	17.07	16.99	17.50
	25 (RB_Pos:0)	LOW	64QAM	16.86	17.03	17.01	17.50
	25 (RB_Pos:12)	MIDDLE	64QAM	16.89	16.86	17.01	17.50
	25 (RB_Pos:25)	HIGH	64QAM	17.05	16.98	17.14	17.50
	50 (RB_Pos:0)	LOW	64QAM	16.95	16.88	17.06	17.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20825	21100	21375	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	17.06	16.93	16.88	17.50
	1 (RB_Pos:38)	MIDDLE	QPSK	17.02	17.14	17.04	17.50
	1 (RB_Pos:74)	HIGH	QPSK	16.92	17.05	16.90	17.50
	36 (RB_Pos:0)	LOW	QPSK	17.05	16.92	17.01	17.50
	36 (RB_Pos:20)	MIDDLE	QPSK	17.00	16.93	17.00	17.50
	36 (RB_Pos:39)	HIGH	QPSK	17.08	17.09	16.99	17.50
	75 (RB_Pos:0)	LOW	QPSK	16.88	17.12	17.03	17.50
	1 (RB_Pos:0)	LOW	16QAM	16.85	16.96	16.96	17.50
	1 (RB_Pos:38)	MIDDLE	16QAM	17.09	17.10	17.12	17.50
	1 (RB_Pos:74)	HIGH	16QAM	17.02	17.02	17.14	17.50
	36 (RB_Pos:0)	LOW	16QAM	17.00	17.11	17.14	17.50
	36 (RB_Pos:20)	MIDDLE	16QAM	16.99	17.14	17.15	17.50
	36 (RB_Pos:39)	HIGH	16QAM	16.87	17.06	16.97	17.50
	75 (RB_Pos:0)	LOW	16QAM	17.10	17.09	17.12	17.50
	1 (RB_Pos:0)	LOW	64QAM	17.04	17.02	17.12	17.50
	1 (RB_Pos:38)	MIDDLE	64QAM	17.14	17.02	16.97	17.50
	1 (RB_Pos:74)	HIGH	64QAM	16.94	16.93	16.98	17.50

	36 (RB_Pos:0)	LOW	64QAM	16.94	16.88	16.99	17.50
	36 (RB_Pos:20)	MIDDLE	64QAM	16.92	17.04	16.90	17.50
	36 (RB_Pos:39)	HIGH	64QAM	16.85	16.88	16.90	17.50
	75 (RB_Pos:0)	LOW	64QAM	16.85	16.96	17.08	17.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20850	21100	21350	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	16.86	17.08	16.90	17.50
	1 (RB_Pos:50)	MIDDLE	QPSK	17.09	17.12	16.98	17.50
	1 (RB_Pos:99)	HIGH	QPSK	17.13	17.07	17.02	17.50
	50 (RB_Pos:0)	LOW	QPSK	16.91	17.06	16.89	17.50
	50 (RB_Pos:25)	MIDDLE	QPSK	17.11	17.14	16.98	17.50
	50 (RB_Pos:50)	HIGH	QPSK	17.07	16.96	17.05	17.50
	100 (RB_Pos:0)	LOW	QPSK	16.95	16.89	16.96	17.50
	1 (RB_Pos:0)	LOW	16QAM	17.00	17.05	16.92	17.50
	1 (RB_Pos:50)	MIDDLE	16QAM	16.99	17.02	17.00	17.50
	1 (RB_Pos:99)	HIGH	16QAM	17.04	17.04	17.04	17.50
	50 (RB_Pos:0)	LOW	16QAM	17.08	17.07	17.00	17.50
	50 (RB_Pos:25)	MIDDLE	16QAM	17.02	16.87	16.86	17.50
	50 (RB_Pos:50)	HIGH	16QAM	16.89	17.13	16.91	17.50
	100 (RB_Pos:0)	LOW	16QAM	17.09	17.11	17.13	17.50
	1 (RB_Pos:0)	LOW	64QAM	16.99	17.15	17.09	17.50
	1 (RB_Pos:50)	MIDDLE	64QAM	17.13	16.92	16.92	17.50
	1 (RB_Pos:99)	HIGH	64QAM	17.05	16.92	16.91	17.50
	50 (RB_Pos:0)	LOW	64QAM	17.00	16.98	16.91	17.50
	50 (RB_Pos:25)	MIDDLE	64QAM	17.10	17.11	16.94	17.50
	50 (RB_Pos:50)	HIGH	64QAM	16.91	16.88	16.86	17.50
	100 (RB_Pos:0)	LOW	64QAM	17.08	17.14	17.09	17.50

8.6.33 Power Reduced Level 1&2&3-ANT3 of LTE Band 7

FDD LTE Band 7							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20775	21100	21425	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.23	22.28	22.28	23.50
	1 (RB_Pos:13)	MIDDLE	QPSK	22.22	22.28	22.31	23.50
	1 (RB_Pos:24)	HIGH	QPSK	22.20	22.27	22.29	23.50
	12 (RB_Pos:0)	LOW	QPSK	21.27	21.32	21.30	22.50
	12 (RB_Pos:6)	MIDDLE	QPSK	21.29	21.33	21.34	22.50
	12 (RB_Pos:13)	HIGH	QPSK	21.28	21.30	21.34	22.50
	25 (RB_Pos:0)	LOW	QPSK	21.27	21.30	21.27	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.42	21.79	21.37	22.50
	1 (RB_Pos:13)	MIDDLE	16QAM	21.43	21.79	21.42	22.50
	1 (RB_Pos:24)	HIGH	16QAM	21.39	21.79	21.40	22.50

	12 (RB_Pos:0)	LOW	16QAM	20.28	20.47	20.33	21.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.38	20.47	20.43	21.50
	12 (RB_Pos:13)	HIGH	16QAM	20.37	20.42	20.40	21.50
	25 (RB_Pos:0)	LOW	16QAM	20.28	20.42	20.26	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.39	20.73	20.35	21.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.45	20.82	20.35	21.50
	1 (RB_Pos:24)	HIGH	64QAM	20.42	20.73	20.41	21.50
	12 (RB_Pos:0)	LOW	64QAM	19.80	19.83	19.72	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	19.76	20.00	19.81	20.50
	12 (RB_Pos:13)	HIGH	64QAM	19.79	19.89	19.99	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.85	19.92	19.91	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20800	21100	21400	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.25	22.28	22.35	23.50
	1 (RB_Pos:25)	MIDDLE	QPSK	22.35	22.43	22.49	23.50
	1 (RB_Pos:49)	HIGH	QPSK	22.20	22.28	22.35	23.50
	25 (RB_Pos:0)	LOW	QPSK	21.25	21.28	21.34	22.50
	25 (RB_Pos:12)	MIDDLE	QPSK	21.27	21.30	21.35	22.50
	25 (RB_Pos:25)	HIGH	QPSK	21.28	21.37	21.33	22.50
	50 (RB_Pos:0)	LOW	QPSK	21.31	21.36	21.34	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.21	21.63	21.32	22.50
	1 (RB_Pos:25)	MIDDLE	16QAM	21.24	21.71	21.39	22.50
	1 (RB_Pos:49)	HIGH	16QAM	21.14	21.67	21.29	22.50
	25 (RB_Pos:0)	LOW	16QAM	20.27	20.36	20.47	21.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.30	20.40	20.44	21.50
	25 (RB_Pos:25)	HIGH	16QAM	20.35	20.42	20.45	21.50
	50 (RB_Pos:0)	LOW	16QAM	20.29	20.41	20.39	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.38	20.82	20.26	21.50
	1 (RB_Pos:25)	MIDDLE	64QAM	20.31	20.88	20.34	21.50
	1 (RB_Pos:49)	HIGH	64QAM	20.53	20.90	20.38	21.50
	25 (RB_Pos:0)	LOW	64QAM	19.72	20.10	19.79	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	19.82	19.93	20.03	20.50
	25 (RB_Pos:25)	HIGH	64QAM	19.96	20.02	19.77	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.90	19.87	19.83	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20825	21100	21375	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.38	22.23	22.32	23.50
	1 (RB_Pos:38)	MIDDLE	QPSK	22.37	22.29	22.31	23.50
	1 (RB_Pos:74)	HIGH	QPSK	22.30	22.23	22.27	23.50
	36 (RB_Pos:0)	LOW	QPSK	21.43	21.34	21.40	22.50
	36 (RB_Pos:20)	MIDDLE	QPSK	21.50	21.37	21.41	22.50
	36 (RB_Pos:39)	HIGH	QPSK	21.49	21.38	21.38	22.50
	75 (RB_Pos:0)	LOW	QPSK	21.46	21.35	21.38	22.50

	1 (RB_Pos:0)	LOW	16QAM	21.35	21.62	21.66	22.50
	1 (RB_Pos:38)	MIDDLE	16QAM	21.30	21.65	21.66	22.50
	1 (RB_Pos:74)	HIGH	16QAM	21.23	21.60	21.60	22.50
	36 (RB_Pos:0)	LOW	16QAM	20.46	20.37	20.33	21.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.45	20.42	20.34	21.50
	36 (RB_Pos:39)	HIGH	16QAM	20.42	20.43	20.33	21.50
	75 (RB_Pos:0)	LOW	16QAM	20.47	20.38	20.38	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.49	20.69	20.41	21.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.54	20.72	20.55	21.50
	1 (RB_Pos:74)	HIGH	64QAM	20.49	20.65	20.42	21.50
	36 (RB_Pos:0)	LOW	64QAM	19.86	19.89	19.89	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.78	19.82	19.95	20.50
	36 (RB_Pos:39)	HIGH	64QAM	19.74	19.95	19.90	20.50
	75 (RB_Pos:0)	LOW	64QAM	19.76	20.01	19.62	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20850	21100	21350	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.15	22.21	22.10	23.50
	1 (RB_Pos:50)	MIDDLE	QPSK	22.35	22.45	22.42	23.50
	1 (RB_Pos:99)	HIGH	QPSK	22.02	22.13	22.12	23.50
	50 (RB_Pos:0)	LOW	QPSK	21.19	21.31	21.32	22.50
	50 (RB_Pos:25)	MIDDLE	QPSK	21.30	21.34	21.33	22.50
	50 (RB_Pos:50)	HIGH	QPSK	21.28	21.39	21.34	22.50
	100 (RB_Pos:0)	LOW	QPSK	21.22	21.35	21.33	22.50
	1 (RB_Pos:0)	LOW	16QAM	21.64	21.62	21.51	22.50
	1 (RB_Pos:50)	MIDDLE	16QAM	21.87	21.82	21.78	22.50
	1 (RB_Pos:99)	HIGH	16QAM	21.51	21.57	21.56	22.50
	50 (RB_Pos:0)	LOW	16QAM	20.23	20.33	20.33	21.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.35	20.39	20.32	21.50
	50 (RB_Pos:50)	HIGH	16QAM	20.28	20.43	20.33	21.50
	100 (RB_Pos:0)	LOW	16QAM	20.29	20.41	20.34	21.50
	1 (RB_Pos:0)	LOW	64QAM	20.40	20.75	20.40	21.50
	1 (RB_Pos:50)	MIDDLE	64QAM	20.50	20.72	20.56	21.50
	1 (RB_Pos:99)	HIGH	64QAM	20.38	20.69	20.37	21.50
	50 (RB_Pos:0)	LOW	64QAM	19.63	19.84	19.69	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.83	20.12	19.85	20.50
	50 (RB_Pos:50)	HIGH	64QAM	19.82	19.98	19.78	20.50
	100 (RB_Pos:0)	LOW	64QAM	19.65	19.90	19.83	20.50

8.6.34 Power Reduced Level 4&5&6-ANT3 of LTE Band 7

FDD LTE Band 7							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20775	21100	21425	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	19.53	19.65	19.47	21.00
	1 (RB_Pos:13)	MIDDLE	QPSK	19.75	19.96	19.78	21.00
	1 (RB_Pos:24)	HIGH	QPSK	19.37	19.78	19.56	21.00
	12 (RB_Pos:0)	LOW	QPSK	19.84	19.80	19.88	21.00
	12 (RB_Pos:6)	MIDDLE	QPSK	19.93	19.92	19.87	21.00
	12 (RB_Pos:13)	HIGH	QPSK	19.82	19.99	19.84	21.00
	25 (RB_Pos:0)	LOW	QPSK	19.85	19.83	19.94	21.00
	1 (RB_Pos:0)	LOW	16QAM	19.62	19.54	19.51	21.00
	1 (RB_Pos:13)	MIDDLE	16QAM	19.72	20.08	19.80	21.00
	1 (RB_Pos:24)	HIGH	16QAM	19.49	19.74	19.61	21.00
	12 (RB_Pos:0)	LOW	16QAM	19.91	19.85	19.81	21.00
	12 (RB_Pos:6)	MIDDLE	16QAM	19.99	19.97	19.98	21.00
	12 (RB_Pos:13)	HIGH	16QAM	19.78	20.11	19.70	21.00
	25 (RB_Pos:0)	LOW	16QAM	19.82	19.98	19.82	21.00
	1 (RB_Pos:0)	LOW	64QAM	19.68	19.50	19.51	21.00
	1 (RB_Pos:13)	MIDDLE	64QAM	19.82	20.03	19.90	21.00
	1 (RB_Pos:24)	HIGH	64QAM	19.54	19.74	19.72	21.00
	12 (RB_Pos:0)	LOW	64QAM	19.76	19.82	19.62	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	19.84	20.17	19.97	20.50
	12 (RB_Pos:13)	HIGH	64QAM	19.73	20.00	19.88	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.62	19.92	19.83	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20800	21100	21400	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	19.52	19.56	19.57	21.00
	1 (RB_Pos:25)	MIDDLE	QPSK	19.97	20.03	19.77	21.00
	1 (RB_Pos:49)	HIGH	QPSK	19.67	19.62	19.54	21.00
	25 (RB_Pos:0)	LOW	QPSK	19.64	19.95	19.88	21.00
	25 (RB_Pos:12)	MIDDLE	QPSK	19.81	19.69	19.88	21.00
	25 (RB_Pos:25)	HIGH	QPSK	19.68	19.85	19.96	21.00
	50 (RB_Pos:0)	LOW	QPSK	19.61	19.84	19.93	21.00
	1 (RB_Pos:0)	LOW	16QAM	19.51	19.62	19.46	21.00
	1 (RB_Pos:25)	MIDDLE	16QAM	19.70	20.00	19.73	21.00
	1 (RB_Pos:49)	HIGH	16QAM	19.47	19.63	19.67	21.00
	25 (RB_Pos:0)	LOW	16QAM	19.97	19.79	19.95	21.00
	25 (RB_Pos:12)	MIDDLE	16QAM	19.96	19.86	19.84	21.00
	25 (RB_Pos:25)	HIGH	16QAM	19.73	20.13	19.83	21.00
	50 (RB_Pos:0)	LOW	16QAM	19.90	19.89	20.07	21.00
	1 (RB_Pos:0)	LOW	64QAM	19.77	19.43	19.43	21.00
	1 (RB_Pos:25)	MIDDLE	64QAM	19.79	19.99	19.90	21.00

	1 (RB_Pos:49)	HIGH	64QAM	19.53	19.77	19.57	21.00
	25 (RB_Pos:0)	LOW	64QAM	19.78	19.73	19.64	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	19.79	20.05	19.81	20.50
	25 (RB_Pos:25)	HIGH	64QAM	19.79	19.94	19.79	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.74	19.86	19.76	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20825	21100	21375	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	19.57	19.83	19.71	21.00
	1 (RB_Pos:38)	MIDDLE	QPSK	19.80	19.96	19.93	21.00
	1 (RB_Pos:74)	HIGH	QPSK	19.56	19.59	19.73	21.00
	36 (RB_Pos:0)	LOW	QPSK	19.55	19.90	19.69	21.00
	36 (RB_Pos:20)	MIDDLE	QPSK	19.69	19.75	19.88	21.00
	36 (RB_Pos:39)	HIGH	QPSK	19.77	20.00	19.85	21.00
	75 (RB_Pos:0)	LOW	QPSK	19.59	19.76	19.95	21.00
	1 (RB_Pos:0)	LOW	16QAM	19.40	19.77	19.50	21.00
	1 (RB_Pos:38)	MIDDLE	16QAM	19.76	19.99	19.88	21.00
	1 (RB_Pos:74)	HIGH	16QAM	19.25	19.93	19.64	21.00
	36 (RB_Pos:0)	LOW	16QAM	19.81	19.78	19.98	21.00
	36 (RB_Pos:20)	MIDDLE	16QAM	19.99	20.07	19.94	21.00
	36 (RB_Pos:39)	HIGH	16QAM	19.86	20.04	19.82	21.00
	75 (RB_Pos:0)	LOW	16QAM	19.96	19.79	19.98	21.00
	1 (RB_Pos:0)	LOW	64QAM	19.73	19.63	19.41	21.00
	1 (RB_Pos:38)	MIDDLE	64QAM	19.76	20.09	19.70	21.00
	1 (RB_Pos:74)	HIGH	64QAM	19.34	19.88	19.74	21.00
	36 (RB_Pos:0)	LOW	64QAM	19.51	19.79	19.58	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.91	20.07	19.74	20.50
	36 (RB_Pos:39)	HIGH	64QAM	19.70	19.88	19.75	20.50
	75 (RB_Pos:0)	LOW	64QAM	19.54	20.01	19.88	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			20850	21100	21350	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	19.57	19.69	19.75	21.00
	1 (RB_Pos:50)	MIDDLE	QPSK	19.91	19.94	19.90	21.00
	1 (RB_Pos:99)	HIGH	QPSK	19.44	19.63	19.48	21.00
	50 (RB_Pos:0)	LOW	QPSK	19.79	19.77	19.90	21.00
	50 (RB_Pos:25)	MIDDLE	QPSK	19.75	19.74	19.70	21.00
	50 (RB_Pos:50)	HIGH	QPSK	19.69	20.01	19.99	21.00
	100 (RB_Pos:0)	LOW	QPSK	19.62	19.92	19.84	21.00
	1 (RB_Pos:0)	LOW	16QAM	19.53	19.52	19.36	21.00
	1 (RB_Pos:50)	MIDDLE	16QAM	19.61	19.98	19.70	21.00
	1 (RB_Pos:99)	HIGH	16QAM	19.46	19.72	19.53	21.00
	50 (RB_Pos:0)	LOW	16QAM	19.75	19.83	19.73	21.00
	50 (RB_Pos:25)	MIDDLE	16QAM	19.90	20.03	19.81	21.00
	50 (RB_Pos:50)	HIGH	16QAM	19.82	19.98	19.87	21.00

	100 (RB_Pos:0)	LOW	16QAM	19.93	19.72	19.92	21.00
	1 (RB_Pos:0)	LOW	64QAM	19.71	19.42	19.38	21.00
	1 (RB_Pos:50)	MIDDLE	64QAM	19.67	20.07	19.75	21.00
	1 (RB_Pos:99)	HIGH	64QAM	19.46	19.77	19.62	21.00
	50 (RB_Pos:0)	LOW	64QAM	19.74	19.85	19.79	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.84	20.12	19.89	20.50
	50 (RB_Pos:50)	HIGH	64QAM	19.80	20.05	19.65	20.50
	100 (RB_Pos:0)	LOW	64QAM	19.69	19.78	19.93	20.50

8.6.35 Power Reduced Level 1-ANT2 of LTE Band 66

FDD LTE Band 66							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131979	132322	132665	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	19.56	19.59	19.38	20.00
	1 (RB_Pos:3)	MIDDLE	QPSK	19.61	19.45	19.47	20.00
	1 (RB_Pos:5)	HIGH	QPSK	19.57	19.48	19.57	20.00
	3 (RB_Pos:0)	LOW	QPSK	19.55	19.35	19.53	20.00
	3 (RB_Pos:1)	MIDDLE	QPSK	19.51	19.65	19.45	20.00
	3 (RB_Pos:3)	HIGH	QPSK	19.54	19.64	19.38	20.00
	6 (RB_Pos:0)	LOW	QPSK	19.63	19.42	19.56	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.42	19.52	19.46	20.00
	1 (RB_Pos:3)	MIDDLE	16QAM	19.43	19.61	19.47	20.00
	1 (RB_Pos:5)	HIGH	16QAM	19.63	19.52	19.61	20.00
	3 (RB_Pos:0)	LOW	16QAM	19.40	19.36	19.44	20.00
	3 (RB_Pos:1)	MIDDLE	16QAM	19.53	19.46	19.63	20.00
	3 (RB_Pos:3)	HIGH	16QAM	19.52	19.64	19.39	20.00
	6 (RB_Pos:0)	LOW	16QAM	19.36	19.47	19.46	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.43	19.48	19.55	20.00
	1 (RB_Pos:3)	MIDDLE	64QAM	19.37	19.44	19.36	20.00
	1 (RB_Pos:5)	HIGH	64QAM	19.57	19.57	19.54	20.00
	3 (RB_Pos:0)	LOW	64QAM	19.37	19.65	19.62	20.00
	3 (RB_Pos:1)	MIDDLE	64QAM	19.63	19.41	19.38	20.00
	3 (RB_Pos:3)	HIGH	64QAM	19.49	19.41	19.59	20.00
	6 (RB_Pos:0)	LOW	64QAM	19.51	19.39	19.61	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131987	132322	132657	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	19.40	19.44	19.37	20.00
	1 (RB_Pos:8)	MIDDLE	QPSK	19.50	19.48	19.39	20.00
	1 (RB_Pos:14)	HIGH	QPSK	19.41	19.56	19.39	20.00
	8 (RB_Pos:0)	LOW	QPSK	19.38	19.55	19.52	20.00
	8 (RB_Pos:3)	MIDDLE	QPSK	19.60	19.46	19.60	20.00
	8 (RB_Pos:7)	HIGH	QPSK	19.38	19.40	19.47	20.00

	15 (RB_Pos:0)	LOW	QPSK	19.36	19.44	19.40	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.61	19.57	19.39	20.00
	1 (RB_Pos:8)	MIDDLE	16QAM	19.39	19.41	19.63	20.00
	1 (RB_Pos:14)	HIGH	16QAM	19.39	19.40	19.45	20.00
	8 (RB_Pos:0)	LOW	16QAM	19.44	19.65	19.42	20.00
	8 (RB_Pos:3)	MIDDLE	16QAM	19.46	19.52	19.58	20.00
	8 (RB_Pos:7)	HIGH	16QAM	19.47	19.50	19.36	20.00
	15 (RB_Pos:0)	LOW	16QAM	19.51	19.35	19.57	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.49	19.37	19.57	20.00
	1 (RB_Pos:8)	MIDDLE	64QAM	19.41	19.47	19.41	20.00
	1 (RB_Pos:14)	HIGH	64QAM	19.56	19.52	19.40	20.00
	8 (RB_Pos:0)	LOW	64QAM	19.46	19.52	19.47	20.00
	8 (RB_Pos:3)	MIDDLE	64QAM	19.44	19.52	19.55	20.00
	8 (RB_Pos:7)	HIGH	64QAM	19.64	19.41	19.44	20.00
	15 (RB_Pos:0)	LOW	64QAM	19.54	19.39	19.50	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131997	132322	132647	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	19.35	19.60	19.39	20.00
	1 (RB_Pos:13)	MIDDLE	QPSK	19.42	19.58	19.54	20.00
	1 (RB_Pos:24)	HIGH	QPSK	19.42	19.56	19.61	20.00
	12 (RB_Pos:0)	LOW	QPSK	19.57	19.50	19.49	20.00
	12 (RB_Pos:6)	MIDDLE	QPSK	19.56	19.62	19.55	20.00
	12 (RB_Pos:13)	HIGH	QPSK	19.59	19.58	19.50	20.00
	25 (RB_Pos:0)	LOW	QPSK	19.54	19.36	19.40	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.38	19.51	19.61	20.00
	1 (RB_Pos:13)	MIDDLE	16QAM	19.43	19.56	19.40	20.00
	1 (RB_Pos:24)	HIGH	16QAM	19.61	19.53	19.62	20.00
	12 (RB_Pos:0)	LOW	16QAM	19.36	19.63	19.56	20.00
	12 (RB_Pos:6)	MIDDLE	16QAM	19.49	19.40	19.56	20.00
	12 (RB_Pos:13)	HIGH	16QAM	19.37	19.63	19.62	20.00
	25 (RB_Pos:0)	LOW	16QAM	19.35	19.60	19.59	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.42	19.63	19.55	20.00
	1 (RB_Pos:13)	MIDDLE	64QAM	19.39	19.52	19.54	20.00
	1 (RB_Pos:24)	HIGH	64QAM	19.64	19.47	19.52	20.00
	12 (RB_Pos:0)	LOW	64QAM	19.64	19.35	19.51	20.00
	12 (RB_Pos:6)	MIDDLE	64QAM	19.58	19.62	19.53	20.00
	12 (RB_Pos:13)	HIGH	64QAM	19.51	19.45	19.48	20.00
	25 (RB_Pos:0)	LOW	64QAM	19.40	19.54	19.42	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132022	132322	132622	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	19.63	19.60	19.40	20.00
	1 (RB_Pos:25)	MIDDLE	QPSK	19.35	19.39	19.50	20.00
	1 (RB_Pos:49)	HIGH	QPSK	19.36	19.44	19.46	20.00

	25 (RB_Pos:0)	LOW	QPSK	19.36	19.55	19.53	20.00
	25 (RB_Pos:12)	MIDDLE	QPSK	19.57	19.53	19.42	20.00
	25 (RB_Pos:25)	HIGH	QPSK	19.51	19.53	19.38	20.00
	50 (RB_Pos:0)	LOW	QPSK	19.41	19.47	19.49	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.37	19.49	19.45	20.00
	1 (RB_Pos:25)	MIDDLE	16QAM	19.47	19.60	19.53	20.00
	1 (RB_Pos:49)	HIGH	16QAM	19.42	19.45	19.38	20.00
	25 (RB_Pos:0)	LOW	16QAM	19.64	19.46	19.50	20.00
	25 (RB_Pos:12)	MIDDLE	16QAM	19.56	19.45	19.55	20.00
	25 (RB_Pos:25)	HIGH	16QAM	19.47	19.54	19.47	20.00
	50 (RB_Pos:0)	LOW	16QAM	19.57	19.56	19.63	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.63	19.58	19.54	20.00
	1 (RB_Pos:25)	MIDDLE	64QAM	19.57	19.56	19.62	20.00
	1 (RB_Pos:49)	HIGH	64QAM	19.53	19.36	19.43	20.00
	25 (RB_Pos:0)	LOW	64QAM	19.43	19.42	19.47	20.00
	25 (RB_Pos:12)	MIDDLE	64QAM	19.42	19.65	19.62	20.00
	25 (RB_Pos:25)	HIGH	64QAM	19.42	19.63	19.54	20.00
	50 (RB_Pos:0)	LOW	64QAM	19.45	19.53	19.50	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132047	132322	132597	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	19.50	19.59	19.53	20.00
	1 (RB_Pos:38)	MIDDLE	QPSK	19.51	19.44	19.35	20.00
	1 (RB_Pos:74)	HIGH	QPSK	19.49	19.39	19.54	20.00
	36 (RB_Pos:0)	LOW	QPSK	19.50	19.40	19.54	20.00
	36 (RB_Pos:20)	MIDDLE	QPSK	19.47	19.47	19.47	20.00
	36 (RB_Pos:39)	HIGH	QPSK	19.42	19.62	19.61	20.00
	75 (RB_Pos:0)	LOW	QPSK	19.47	19.55	19.52	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.38	19.62	19.55	20.00
	1 (RB_Pos:38)	MIDDLE	16QAM	19.35	19.53	19.40	20.00
	1 (RB_Pos:74)	HIGH	16QAM	19.65	19.42	19.48	20.00
	36 (RB_Pos:0)	LOW	16QAM	19.52	19.47	19.39	20.00
	36 (RB_Pos:20)	MIDDLE	16QAM	19.48	19.35	19.44	20.00
	36 (RB_Pos:39)	HIGH	16QAM	19.40	19.51	19.42	20.00
	75 (RB_Pos:0)	LOW	16QAM	19.49	19.60	19.58	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.39	19.37	19.52	20.00
	1 (RB_Pos:38)	MIDDLE	64QAM	19.36	19.59	19.54	20.00
	1 (RB_Pos:74)	HIGH	64QAM	19.65	19.39	19.55	20.00
	36 (RB_Pos:0)	LOW	64QAM	19.41	19.38	19.63	20.00
	36 (RB_Pos:20)	MIDDLE	64QAM	19.40	19.49	19.43	20.00
	36 (RB_Pos:39)	HIGH	64QAM	19.60	19.62	19.38	20.00
	75 (RB_Pos:0)	LOW	64QAM	19.44	19.65	19.53	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132072	132322	132572	Tune up limit (dBm)

20 MHz	1 (RB_Pos:0)	LOW	QPSK	19.37	19.39	19.40	20.00
	1 (RB_Pos:50)	MIDDLE	QPSK	19.65	19.52	19.45	20.00
	1 (RB_Pos:99)	HIGH	QPSK	19.35	19.46	19.43	20.00
	50 (RB_Pos:0)	LOW	QPSK	19.49	19.50	19.56	20.00
	50 (RB_Pos:25)	MIDDLE	QPSK	19.39	19.35	19.49	20.00
	50 (RB_Pos:50)	HIGH	QPSK	19.46	19.43	19.43	20.00
	100 (RB_Pos:0)	LOW	QPSK	19.59	19.39	19.48	20.00
	1 (RB_Pos:0)	LOW	16QAM	19.56	19.49	19.55	20.00
	1 (RB_Pos:50)	MIDDLE	16QAM	19.63	19.46	19.48	20.00
	1 (RB_Pos:99)	HIGH	16QAM	19.47	19.50	19.42	20.00
	50 (RB_Pos:0)	LOW	16QAM	19.61	19.46	19.52	20.00
	50 (RB_Pos:25)	MIDDLE	16QAM	19.43	19.43	19.41	20.00
	50 (RB_Pos:50)	HIGH	16QAM	19.41	19.60	19.60	20.00
	100 (RB_Pos:0)	LOW	16QAM	19.45	19.53	19.64	20.00
	1 (RB_Pos:0)	LOW	64QAM	19.49	19.65	19.40	20.00
	1 (RB_Pos:50)	MIDDLE	64QAM	19.65	19.56	19.63	20.00
	1 (RB_Pos:99)	HIGH	64QAM	19.36	19.37	19.42	20.00
	50 (RB_Pos:0)	LOW	64QAM	19.53	19.39	19.51	20.00
	50 (RB_Pos:25)	MIDDLE	64QAM	19.49	19.59	19.56	20.00
	50 (RB_Pos:50)	HIGH	64QAM	19.37	19.42	19.62	20.00
	100 (RB_Pos:0)	LOW	64QAM	19.55	19.65	19.56	20.00

8.6.36 Power Reduced Level 2&3-ANT2 of LTE Band 66

FDD LTE Band 66							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131979	132322	132665	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	18.35	18.52	18.37	19.00
	1 (RB_Pos:3)	MIDDLE	QPSK	18.63	18.64	18.66	19.00
	1 (RB_Pos:5)	HIGH	QPSK	18.51	18.42	18.37	19.00
	3 (RB_Pos:0)	LOW	QPSK	18.49	18.70	18.67	19.00
	3 (RB_Pos:1)	MIDDLE	QPSK	18.59	18.50	18.58	19.00
	3 (RB_Pos:3)	HIGH	QPSK	18.69	18.52	18.46	19.00
	6 (RB_Pos:0)	LOW	QPSK	18.46	18.60	18.59	19.00
	1 (RB_Pos:0)	LOW	16QAM	18.46	18.42	18.39	19.00
	1 (RB_Pos:3)	MIDDLE	16QAM	18.43	18.95	18.47	19.00
	1 (RB_Pos:5)	HIGH	16QAM	18.46	18.39	18.17	19.00
	3 (RB_Pos:0)	LOW	16QAM	18.57	18.49	18.61	19.00
	3 (RB_Pos:1)	MIDDLE	16QAM	18.54	18.62	18.53	19.00
	3 (RB_Pos:3)	HIGH	16QAM	18.66	18.51	18.41	19.00
	6 (RB_Pos:0)	LOW	16QAM	18.48	18.49	18.57	19.00
	1 (RB_Pos:0)	LOW	64QAM	18.55	18.52	18.23	19.00
	1 (RB_Pos:3)	MIDDLE	64QAM	18.78	18.66	18.47	19.00
	1 (RB_Pos:5)	HIGH	64QAM	18.33	18.53	18.22	19.00

	3 (RB_Pos:0)	LOW	64QAM	18.66	18.65	18.38	19.00
	3 (RB_Pos:1)	MIDDLE	64QAM	18.25	18.72	18.73	19.00
	3 (RB_Pos:3)	HIGH	64QAM	18.69	18.72	18.64	19.00
	6 (RB_Pos:0)	LOW	64QAM	18.47	18.85	18.44	19.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131987	132322	132657	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	18.61	18.56	18.44	19.00
	1 (RB_Pos:8)	MIDDLE	QPSK	18.72	18.79	18.78	19.00
	1 (RB_Pos:14)	HIGH	QPSK	18.36	18.38	18.43	19.00
	8 (RB_Pos:0)	LOW	QPSK	18.47	18.71	18.46	19.00
	8 (RB_Pos:3)	MIDDLE	QPSK	18.54	18.59	18.67	19.00
	8 (RB_Pos:7)	HIGH	QPSK	18.55	18.34	18.57	19.00
	15 (RB_Pos:0)	LOW	QPSK	18.46	18.51	18.54	19.00
	1 (RB_Pos:0)	LOW	16QAM	18.31	18.48	18.46	19.00
	1 (RB_Pos:8)	MIDDLE	16QAM	18.53	18.69	18.48	19.00
	1 (RB_Pos:14)	HIGH	16QAM	18.65	18.58	18.15	19.00
	8 (RB_Pos:0)	LOW	16QAM	18.76	18.79	18.60	19.00
	8 (RB_Pos:3)	MIDDLE	16QAM	18.65	18.70	18.72	19.00
	8 (RB_Pos:7)	HIGH	16QAM	18.73	18.66	18.53	19.00
	15 (RB_Pos:0)	LOW	16QAM	18.76	18.70	18.63	19.00
	1 (RB_Pos:0)	LOW	64QAM	18.52	18.50	18.23	19.00
	1 (RB_Pos:8)	MIDDLE	64QAM	18.80	18.59	18.49	19.00
	1 (RB_Pos:14)	HIGH	64QAM	18.32	18.59	18.11	19.00
	8 (RB_Pos:0)	LOW	64QAM	18.77	18.85	18.60	19.00
	8 (RB_Pos:3)	MIDDLE	64QAM	18.26	18.51	18.57	19.00
	8 (RB_Pos:7)	HIGH	64QAM	18.45	18.71	18.61	19.00
	15 (RB_Pos:0)	LOW	64QAM	18.60	18.72	18.41	19.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131997	132322	132647	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	18.36	18.42	18.36	19.00
	1 (RB_Pos:13)	MIDDLE	QPSK	18.86	18.54	18.58	19.00
	1 (RB_Pos:24)	HIGH	QPSK	18.44	18.28	18.38	19.00
	12 (RB_Pos:0)	LOW	QPSK	18.53	18.55	18.72	19.00
	12 (RB_Pos:6)	MIDDLE	QPSK	18.50	18.51	18.57	19.00
	12 (RB_Pos:13)	HIGH	QPSK	18.55	18.60	18.61	19.00
	25 (RB_Pos:0)	LOW	QPSK	18.70	18.50	18.59	19.00
	1 (RB_Pos:0)	LOW	16QAM	18.50	18.53	18.44	19.00
	1 (RB_Pos:13)	MIDDLE	16QAM	18.52	18.89	18.49	19.00
	1 (RB_Pos:24)	HIGH	16QAM	18.46	18.36	18.17	19.00
	12 (RB_Pos:0)	LOW	16QAM	18.75	18.55	18.44	19.00
	12 (RB_Pos:6)	MIDDLE	16QAM	18.46	18.72	18.69	19.00
	12 (RB_Pos:13)	HIGH	16QAM	18.57	18.65	18.52	19.00
	25 (RB_Pos:0)	LOW	16QAM	18.67	18.60	18.68	19.00

	1 (RB_Pos:0)	LOW	64QAM	18.63	18.50	18.39	19.00
	1 (RB_Pos:13)	MIDDLE	64QAM	18.83	18.66	18.62	19.00
	1 (RB_Pos:24)	HIGH	64QAM	18.37	18.71	18.13	19.00
	12 (RB_Pos:0)	LOW	64QAM	18.75	18.89	18.35	19.00
	12 (RB_Pos:6)	MIDDLE	64QAM	18.45	18.46	18.63	19.00
	12 (RB_Pos:13)	HIGH	64QAM	18.65	18.74	18.73	19.00
	25 (RB_Pos:0)	LOW	64QAM	18.50	18.80	18.58	19.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132022	132322	132622	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	18.44	18.57	18.35	19.00
	1 (RB_Pos:25)	MIDDLE	QPSK	18.60	18.76	18.83	19.00
	1 (RB_Pos:49)	HIGH	QPSK	18.42	18.46	18.37	19.00
	25 (RB_Pos:0)	LOW	QPSK	18.64	18.57	18.57	19.00
	25 (RB_Pos:12)	MIDDLE	QPSK	18.60	18.57	18.56	19.00
	25 (RB_Pos:25)	HIGH	QPSK	18.62	18.35	18.59	19.00
	50 (RB_Pos:0)	LOW	QPSK	18.72	18.52	18.56	19.00
	1 (RB_Pos:0)	LOW	16QAM	18.32	18.71	18.30	19.00
	1 (RB_Pos:25)	MIDDLE	16QAM	18.56	18.91	18.70	19.00
	1 (RB_Pos:49)	HIGH	16QAM	18.43	18.37	18.09	19.00
	25 (RB_Pos:0)	LOW	16QAM	18.51	18.72	18.63	19.00
	25 (RB_Pos:12)	MIDDLE	16QAM	18.55	18.62	18.65	19.00
	25 (RB_Pos:25)	HIGH	16QAM	18.59	18.63	18.44	19.00
	50 (RB_Pos:0)	LOW	16QAM	18.49	18.72	18.73	19.00
	1 (RB_Pos:0)	LOW	64QAM	18.69	18.50	18.26	19.00
	1 (RB_Pos:25)	MIDDLE	64QAM	18.78	18.69	18.58	19.00
	1 (RB_Pos:49)	HIGH	64QAM	18.42	18.67	18.23	19.00
	25 (RB_Pos:0)	LOW	64QAM	18.70	18.74	18.38	19.00
	25 (RB_Pos:12)	MIDDLE	64QAM	18.48	18.44	18.52	19.00
	25 (RB_Pos:25)	HIGH	64QAM	18.57	18.71	18.59	19.00
	50 (RB_Pos:0)	LOW	64QAM	18.51	18.88	18.51	19.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132047	132322	132597	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	18.44	18.45	18.46	19.00
	1 (RB_Pos:38)	MIDDLE	QPSK	18.70	18.64	18.82	19.00
	1 (RB_Pos:74)	HIGH	QPSK	18.41	18.27	18.33	19.00
	36 (RB_Pos:0)	LOW	QPSK	18.63	18.57	18.44	19.00
	36 (RB_Pos:20)	MIDDLE	QPSK	18.66	18.41	18.64	19.00
	36 (RB_Pos:39)	HIGH	QPSK	18.69	18.59	18.52	19.00
	75 (RB_Pos:0)	LOW	QPSK	18.55	18.40	18.57	19.00
	1 (RB_Pos:0)	LOW	16QAM	18.38	18.67	18.34	19.00
	1 (RB_Pos:38)	MIDDLE	16QAM	18.50	18.75	18.48	19.00
	1 (RB_Pos:74)	HIGH	16QAM	18.48	18.53	18.24	19.00
	36 (RB_Pos:0)	LOW	16QAM	18.52	18.73	18.49	19.00

	36 (RB_Pos:20)	MIDDLE	16QAM	18.59	18.59	18.68	19.00
	36 (RB_Pos:39)	HIGH	16QAM	18.71	18.62	18.68	19.00
	75 (RB_Pos:0)	LOW	16QAM	18.69	18.69	18.72	19.00
	1 (RB_Pos:0)	LOW	64QAM	18.52	18.66	18.22	19.00
	1 (RB_Pos:38)	MIDDLE	64QAM	18.63	18.57	18.36	19.00
	1 (RB_Pos:74)	HIGH	64QAM	18.50	18.69	18.03	19.00
	36 (RB_Pos:0)	LOW	64QAM	18.89	18.80	18.45	19.00
	36 (RB_Pos:20)	MIDDLE	64QAM	18.52	18.72	18.52	19.00
	36 (RB_Pos:39)	HIGH	64QAM	18.50	18.73	18.60	19.00
	75 (RB_Pos:0)	LOW	64QAM	18.56	18.76	18.40	19.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132072	132322	132572	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	18.48	18.53	18.32	19.00
	1 (RB_Pos:50)	MIDDLE	QPSK	18.72	18.69	18.72	19.00
	1 (RB_Pos:99)	HIGH	QPSK	18.48	18.37	18.39	19.00
	50 (RB_Pos:0)	LOW	QPSK	18.56	18.57	18.58	19.00
	50 (RB_Pos:25)	MIDDLE	QPSK	18.58	18.53	18.54	19.00
	50 (RB_Pos:50)	HIGH	QPSK	18.60	18.46	18.50	19.00
	100 (RB_Pos:0)	LOW	QPSK	18.58	18.52	18.57	19.00
	1 (RB_Pos:0)	LOW	16QAM	18.45	18.56	18.44	19.00
	1 (RB_Pos:50)	MIDDLE	16QAM	18.58	18.81	18.62	19.00
	1 (RB_Pos:99)	HIGH	16QAM	18.51	18.48	18.24	19.00
	50 (RB_Pos:0)	LOW	16QAM	18.63	18.64	18.55	19.00
	50 (RB_Pos:25)	MIDDLE	16QAM	18.50	18.57	18.58	19.00
	50 (RB_Pos:50)	HIGH	16QAM	18.59	18.57	18.53	19.00
	100 (RB_Pos:0)	LOW	16QAM	18.61	18.62	18.64	19.00
	1 (RB_Pos:0)	LOW	64QAM	18.57	18.51	18.29	19.00
	1 (RB_Pos:50)	MIDDLE	64QAM	18.68	18.66	18.48	19.00
	1 (RB_Pos:99)	HIGH	64QAM	18.42	18.59	18.09	19.00
	50 (RB_Pos:0)	LOW	64QAM	18.76	18.78	18.47	19.00
	50 (RB_Pos:25)	MIDDLE	64QAM	18.38	18.58	18.66	19.00
	50 (RB_Pos:50)	HIGH	64QAM	18.56	18.61	18.66	19.00
	100 (RB_Pos:0)	LOW	64QAM	18.52	18.76	18.52	19.00

8.6.37 Power Reduced Level 4&5&6-ANT2 of LTE Band 66

FDD LTE Band 66							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131979	132322	132665	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	20.48	20.46	20.54	21.00
	1 (RB_Pos:3)	MIDDLE	QPSK	20.42	20.59	20.43	21.00
	1 (RB_Pos:5)	HIGH	QPSK	20.60	20.44	20.63	21.00
	3 (RB_Pos:0)	LOW	QPSK	20.38	20.49	20.48	21.00
	3 (RB_Pos:1)	MIDDLE	QPSK	20.65	20.43	20.56	21.00
	3 (RB_Pos:3)	HIGH	QPSK	20.35	20.51	20.56	21.00
	6 (RB_Pos:0)	LOW	QPSK	20.60	20.60	20.46	21.00
	1 (RB_Pos:0)	LOW	16QAM	20.40	20.41	20.50	21.00
	1 (RB_Pos:3)	MIDDLE	16QAM	20.45	20.61	20.39	21.00
	1 (RB_Pos:5)	HIGH	16QAM	20.44	20.62	20.57	21.00
	3 (RB_Pos:0)	LOW	16QAM	20.47	20.62	20.65	21.00
	3 (RB_Pos:1)	MIDDLE	16QAM	20.36	20.51	20.41	21.00
	3 (RB_Pos:3)	HIGH	16QAM	20.47	20.39	20.60	21.00
	6 (RB_Pos:0)	LOW	16QAM	20.47	20.57	20.56	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.37	20.60	20.62	21.00
	1 (RB_Pos:3)	MIDDLE	64QAM	20.55	20.62	20.46	21.00
	1 (RB_Pos:5)	HIGH	64QAM	20.37	20.62	20.51	21.00
	3 (RB_Pos:0)	LOW	64QAM	20.56	20.42	20.42	21.00
	3 (RB_Pos:1)	MIDDLE	64QAM	20.51	20.58	20.43	21.00
	3 (RB_Pos:3)	HIGH	64QAM	20.49	20.52	20.52	21.00
	6 (RB_Pos:0)	LOW	64QAM	20.49	20.58	20.62	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131987	132322	132657	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	20.52	20.59	20.61	21.00
	1 (RB_Pos:8)	MIDDLE	QPSK	20.53	20.47	20.58	21.00
	1 (RB_Pos:14)	HIGH	QPSK	20.43	20.52	20.37	21.00
	8 (RB_Pos:0)	LOW	QPSK	20.41	20.52	20.52	21.00
	8 (RB_Pos:3)	MIDDLE	QPSK	20.35	20.54	20.46	21.00
	8 (RB_Pos:7)	HIGH	QPSK	20.59	20.65	20.60	21.00
	15 (RB_Pos:0)	LOW	QPSK	20.61	20.53	20.62	21.00
	1 (RB_Pos:0)	LOW	16QAM	20.51	20.47	20.47	21.00
	1 (RB_Pos:8)	MIDDLE	16QAM	20.47	20.57	20.64	21.00
	1 (RB_Pos:14)	HIGH	16QAM	20.43	20.58	20.42	21.00
	8 (RB_Pos:0)	LOW	16QAM	20.59	20.60	20.49	21.00
	8 (RB_Pos:3)	MIDDLE	16QAM	20.52	20.37	20.46	21.00
	8 (RB_Pos:7)	HIGH	16QAM	20.60	20.53	20.65	21.00
	15 (RB_Pos:0)	LOW	16QAM	20.46	20.49	20.60	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.56	20.41	20.64	21.00
	1 (RB_Pos:8)	MIDDLE	64QAM	20.57	20.40	20.57	21.00

	1 (RB_Pos:14)	HIGH	64QAM	20.63	20.49	20.56	21.00
	8 (RB_Pos:0)	LOW	64QAM	20.47	20.47	20.36	21.00
	8 (RB_Pos:3)	MIDDLE	64QAM	20.47	20.55	20.49	21.00
	8 (RB_Pos:7)	HIGH	64QAM	20.65	20.50	20.40	21.00
	15 (RB_Pos:0)	LOW	64QAM	20.43	20.38	20.56	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131997	132322	132647	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	20.38	20.53	20.63	21.00
	1 (RB_Pos:13)	MIDDLE	QPSK	20.48	20.35	20.56	21.00
	1 (RB_Pos:24)	HIGH	QPSK	20.46	20.48	20.49	21.00
	12 (RB_Pos:0)	LOW	QPSK	20.47	20.38	20.65	21.00
	12 (RB_Pos:6)	MIDDLE	QPSK	20.54	20.58	20.54	21.00
	12 (RB_Pos:13)	HIGH	QPSK	20.48	20.62	20.38	21.00
	25 (RB_Pos:0)	LOW	QPSK	20.49	20.36	20.39	21.00
	1 (RB_Pos:0)	LOW	16QAM	20.64	20.53	20.44	21.00
	1 (RB_Pos:13)	MIDDLE	16QAM	20.61	20.43	20.40	21.00
	1 (RB_Pos:24)	HIGH	16QAM	20.64	20.43	20.40	21.00
	12 (RB_Pos:0)	LOW	16QAM	20.52	20.43	20.38	21.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.46	20.48	20.46	21.00
	12 (RB_Pos:13)	HIGH	16QAM	20.43	20.37	20.37	21.00
	25 (RB_Pos:0)	LOW	16QAM	20.40	20.59	20.51	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.47	20.62	20.51	21.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.52	20.54	20.53	21.00
	1 (RB_Pos:24)	HIGH	64QAM	20.42	20.50	20.41	21.00
	12 (RB_Pos:0)	LOW	64QAM	20.42	20.65	20.52	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.35	20.48	20.45	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.51	20.43	20.49	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.49	20.64	20.59	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132022	132322	132622	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	20.49	20.42	20.65	21.00
	1 (RB_Pos:25)	MIDDLE	QPSK	20.62	20.63	20.61	21.00
	1 (RB_Pos:49)	HIGH	QPSK	20.39	20.63	20.56	21.00
	25 (RB_Pos:0)	LOW	QPSK	20.50	20.59	20.56	21.00
	25 (RB_Pos:12)	MIDDLE	QPSK	20.51	20.45	20.43	21.00
	25 (RB_Pos:25)	HIGH	QPSK	20.53	20.56	20.48	21.00
	50 (RB_Pos:0)	LOW	QPSK	20.56	20.65	20.57	21.00
	1 (RB_Pos:0)	LOW	16QAM	20.47	20.42	20.65	21.00
	1 (RB_Pos:25)	MIDDLE	16QAM	20.63	20.47	20.57	21.00
	1 (RB_Pos:49)	HIGH	16QAM	20.46	20.42	20.50	21.00
	25 (RB_Pos:0)	LOW	16QAM	20.60	20.65	20.49	21.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.47	20.38	20.64	21.00
	25 (RB_Pos:25)	HIGH	16QAM	20.51	20.40	20.53	21.00

	50 (RB_Pos:0)	LOW	16QAM	20.54	20.57	20.39	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.59	20.46	20.54	21.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.38	20.46	20.43	21.00
	1 (RB_Pos:49)	HIGH	64QAM	20.39	20.50	20.52	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.58	20.35	20.64	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.38	20.52	20.49	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.53	20.38	20.48	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.55	20.58	20.58	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132047	132322	132597	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	20.44	20.40	20.53	21.00
	1 (RB_Pos:38)	MIDDLE	QPSK	20.61	20.65	20.62	21.00
	1 (RB_Pos:74)	HIGH	QPSK	20.36	20.51	20.49	21.00
	36 (RB_Pos:0)	LOW	QPSK	20.37	20.53	20.37	21.00
	36 (RB_Pos:20)	MIDDLE	QPSK	20.61	20.56	20.40	21.00
	36 (RB_Pos:39)	HIGH	QPSK	20.58	20.61	20.36	21.00
	75 (RB_Pos:0)	LOW	QPSK	20.37	20.53	20.59	21.00
	1 (RB_Pos:0)	LOW	16QAM	20.35	20.54	20.35	21.00
	1 (RB_Pos:38)	MIDDLE	16QAM	20.63	20.60	20.45	21.00
	1 (RB_Pos:74)	HIGH	16QAM	20.47	20.37	20.65	21.00
	36 (RB_Pos:0)	LOW	16QAM	20.53	20.40	20.50	21.00
	36 (RB_Pos:20)	MIDDLE	16QAM	20.36	20.52	20.41	21.00
	36 (RB_Pos:39)	HIGH	16QAM	20.59	20.36	20.41	21.00
	75 (RB_Pos:0)	LOW	16QAM	20.35	20.44	20.44	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.56	20.55	20.47	21.00
	1 (RB_Pos:38)	MIDDLE	64QAM	20.62	20.64	20.51	21.00
	1 (RB_Pos:74)	HIGH	64QAM	20.52	20.54	20.60	21.00
	36 (RB_Pos:0)	LOW	64QAM	20.44	20.61	20.36	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.43	20.58	20.38	21.00
	36 (RB_Pos:39)	HIGH	64QAM	20.49	20.45	20.61	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.62	20.59	20.54	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132072	132322	132572	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	20.60	20.46	20.57	21.00
	1 (RB_Pos:50)	MIDDLE	QPSK	20.46	20.43	20.46	21.00
	1 (RB_Pos:99)	HIGH	QPSK	20.46	20.57	20.48	21.00
	50 (RB_Pos:0)	LOW	QPSK	20.59	20.53	20.60	21.00
	50 (RB_Pos:25)	MIDDLE	QPSK	20.57	20.44	20.58	21.00
	50 (RB_Pos:50)	HIGH	QPSK	20.44	20.53	20.61	21.00
	100 (RB_Pos:0)	LOW	QPSK	20.63	20.51	20.43	21.00
	1 (RB_Pos:0)	LOW	16QAM	20.35	20.59	20.60	21.00
	1 (RB_Pos:50)	MIDDLE	16QAM	20.65	20.51	20.48	21.00
	1 (RB_Pos:99)	HIGH	16QAM	20.65	20.35	20.64	21.00

	50 (RB_Pos:0)	LOW	16QAM	20.46	20.62	20.57	21.00
	50 (RB_Pos:25)	MIDDLE	16QAM	20.46	20.43	20.51	21.00
	50 (RB_Pos:50)	HIGH	16QAM	20.46	20.47	20.56	21.00
	100 (RB_Pos:0)	LOW	16QAM	20.35	20.44	20.40	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.56	20.65	20.63	21.00
	1 (RB_Pos:50)	MIDDLE	64QAM	20.65	20.46	20.59	21.00
	1 (RB_Pos:99)	HIGH	64QAM	20.37	20.60	20.45	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.44	20.38	20.65	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.55	20.57	20.48	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.54	20.54	20.55	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.52	20.62	20.59	21.00

8.6.38 Power Reduced Level 1&2&3-ANT3 of LTE Band 66

FDD LTE Band 66							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131979	132322	132665	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	22.83	22.84	22.81	24.00
	1 (RB_Pos:3)	MIDDLE	QPSK	23.04	22.95	23.03	24.00
	1 (RB_Pos:5)	HIGH	QPSK	22.84	22.85	22.81	24.00
	3 (RB_Pos:0)	LOW	QPSK	22.97	22.96	22.89	24.00
	3 (RB_Pos:1)	MIDDLE	QPSK	23.08	23.00	22.87	24.00
	3 (RB_Pos:3)	HIGH	QPSK	22.99	22.98	22.88	24.00
	6 (RB_Pos:0)	LOW	QPSK	21.89	21.92	21.89	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.01	22.23	21.76	23.00
	1 (RB_Pos:3)	MIDDLE	16QAM	22.20	22.36	21.92	23.00
	1 (RB_Pos:5)	HIGH	16QAM	22.00	22.22	21.77	23.00
	3 (RB_Pos:0)	LOW	16QAM	22.09	22.14	21.95	23.00
	3 (RB_Pos:1)	MIDDLE	16QAM	22.05	22.12	21.97	23.00
	3 (RB_Pos:3)	HIGH	16QAM	22.03	22.12	21.97	23.00
	6 (RB_Pos:0)	LOW	16QAM	21.07	20.82	21.06	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.05	21.36	20.62	22.00
	1 (RB_Pos:3)	MIDDLE	64QAM	21.18	21.39	20.88	22.00
	1 (RB_Pos:5)	HIGH	64QAM	21.02	21.13	20.82	22.00
	3 (RB_Pos:0)	LOW	64QAM	21.63	21.60	21.37	22.00
	3 (RB_Pos:1)	MIDDLE	64QAM	21.52	21.49	21.44	22.00
	3 (RB_Pos:3)	HIGH	64QAM	21.57	21.70	21.51	22.00
	6 (RB_Pos:0)	LOW	64QAM	20.66	20.44	20.44	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131987	132322	132657	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	22.96	22.88	22.92	24.00
	1 (RB_Pos:8)	MIDDLE	QPSK	22.82	22.85	22.83	24.00
	1 (RB_Pos:14)	HIGH	QPSK	22.81	22.87	22.90	24.00

	8 (RB_Pos:0)	LOW	QPSK	22.00	21.90	21.83	23.00
	8 (RB_Pos:3)	MIDDLE	QPSK	21.95	21.92	21.88	23.00
	8 (RB_Pos:7)	HIGH	QPSK	21.93	21.91	21.82	23.00
	15 (RB_Pos:0)	LOW	QPSK	21.92	21.89	21.86	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.92	22.27	21.82	23.00
	1 (RB_Pos:8)	MIDDLE	16QAM	21.81	22.25	21.72	23.00
	1 (RB_Pos:14)	HIGH	16QAM	21.86	22.27	21.74	23.00
	8 (RB_Pos:0)	LOW	16QAM	21.09	21.00	20.85	22.00
	8 (RB_Pos:3)	MIDDLE	16QAM	21.08	21.01	20.91	22.00
	8 (RB_Pos:7)	HIGH	16QAM	21.02	20.96	20.84	22.00
	15 (RB_Pos:0)	LOW	16QAM	20.96	20.91	20.75	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.34	21.06	21.05	22.00
	1 (RB_Pos:8)	MIDDLE	64QAM	21.64	21.41	21.45	22.00
	1 (RB_Pos:14)	HIGH	64QAM	21.44	21.26	20.95	22.00
	8 (RB_Pos:0)	LOW	64QAM	20.58	20.59	20.38	21.00
	8 (RB_Pos:3)	MIDDLE	64QAM	20.49	20.60	20.53	21.00
	8 (RB_Pos:7)	HIGH	64QAM	20.55	20.48	20.21	21.00
	15 (RB_Pos:0)	LOW	64QAM	20.41	20.35	20.30	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131997	132322	132647	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.91	22.86	22.79	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	22.86	22.88	22.80	24.00
	1 (RB_Pos:24)	HIGH	QPSK	22.81	22.85	22.80	24.00
	12 (RB_Pos:0)	LOW	QPSK	21.94	21.90	21.82	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.97	21.92	21.83	23.00
	12 (RB_Pos:13)	HIGH	QPSK	21.92	21.89	21.81	23.00
	25 (RB_Pos:0)	LOW	QPSK	21.96	21.89	21.78	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.13	22.37	21.88	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	22.11	22.40	21.88	23.00
	1 (RB_Pos:24)	HIGH	16QAM	22.03	22.38	21.82	23.00
	12 (RB_Pos:0)	LOW	16QAM	21.01	21.06	20.91	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	21.08	21.09	20.88	22.00
	12 (RB_Pos:13)	HIGH	16QAM	21.03	21.04	20.81	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.99	20.99	20.77	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.48	21.25	21.19	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	21.70	21.42	21.33	22.00
	1 (RB_Pos:24)	HIGH	64QAM	21.49	21.25	20.92	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.57	20.42	20.42	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.53	20.61	20.49	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.51	20.39	20.38	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.47	20.29	20.35	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132022	132322	132622	Tune up limit (dBm)

10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.92	22.84	22.87	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	22.99	23.02	23.08	24.00
	1 (RB_Pos:49)	HIGH	QPSK	22.87	22.81	22.82	24.00
	25 (RB_Pos:0)	LOW	QPSK	21.97	21.91	21.90	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.96	21.94	21.84	23.00
	25 (RB_Pos:25)	HIGH	QPSK	22.00	21.93	21.84	23.00
	50 (RB_Pos:0)	LOW	QPSK	22.00	21.96	21.85	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.89	22.26	21.87	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.97	22.33	21.92	23.00
	1 (RB_Pos:49)	HIGH	16QAM	21.91	22.21	21.69	23.00
	25 (RB_Pos:0)	LOW	16QAM	21.01	21.00	20.97	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	21.01	21.02	20.91	22.00
	25 (RB_Pos:25)	HIGH	16QAM	21.06	20.97	20.89	22.00
	50 (RB_Pos:0)	LOW	16QAM	21.04	20.99	20.90	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.51	21.08	21.10	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	21.79	21.31	21.46	22.00
	1 (RB_Pos:49)	HIGH	64QAM	21.30	21.26	21.00	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.62	20.42	20.57	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.63	20.37	20.54	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.47	20.46	20.29	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.65	20.38	20.34	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132047	132322	132597	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.90	22.79	22.82	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	22.90	22.84	22.84	24.00
	1 (RB_Pos:74)	HIGH	QPSK	22.77	22.81	22.77	24.00
	36 (RB_Pos:0)	LOW	QPSK	22.02	21.98	22.04	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	22.03	22.00	22.02	23.00
	36 (RB_Pos:39)	HIGH	QPSK	22.05	21.98	21.95	23.00
	75 (RB_Pos:0)	LOW	QPSK	22.04	22.00	22.05	23.00
	1 (RB_Pos:0)	LOW	16QAM	21.92	22.26	22.18	23.00
	1 (RB_Pos:38)	MIDDLE	16QAM	21.94	22.23	22.16	23.00
	1 (RB_Pos:74)	HIGH	16QAM	21.83	22.16	22.00	23.00
	36 (RB_Pos:0)	LOW	16QAM	21.02	20.93	20.98	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	21.01	20.97	20.91	22.00
	36 (RB_Pos:39)	HIGH	16QAM	20.99	20.98	20.86	22.00
	75 (RB_Pos:0)	LOW	16QAM	21.04	20.98	20.96	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.47	21.11	20.97	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.63	21.48	21.30	22.00
	1 (RB_Pos:74)	HIGH	64QAM	21.51	21.14	20.99	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.43	20.36	20.30	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.75	20.44	20.44	21.00
	36 (RB_Pos:39)	HIGH	64QAM	20.43	20.49	20.44	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.62	20.41	20.37	21.00

Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132072	132322	132572	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.84	22.73	22.65	24.00
	1 (RB_Pos:50)	MIDDLE	QPSK	23.05	23.10	22.96	24.00
	1 (RB_Pos:99)	HIGH	QPSK	22.76	22.75	22.58	24.00
	50 (RB_Pos:0)	LOW	QPSK	21.99	21.92	21.94	23.00
	50 (RB_Pos:25)	MIDDLE	QPSK	22.01	21.95	21.89	23.00
	50 (RB_Pos:50)	HIGH	QPSK	22.06	21.88	21.81	23.00
	100 (RB_Pos:0)	LOW	QPSK	21.97	21.92	21.91	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.41	22.18	22.07	23.00
	1 (RB_Pos:50)	MIDDLE	16QAM	22.72	22.41	22.35	23.00
	1 (RB_Pos:99)	HIGH	16QAM	22.39	22.11	21.94	23.00
	50 (RB_Pos:0)	LOW	16QAM	21.05	20.95	20.94	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	21.10	20.98	20.90	22.00
	50 (RB_Pos:50)	HIGH	16QAM	21.06	20.93	20.80	22.00
	100 (RB_Pos:0)	LOW	16QAM	21.05	20.93	20.92	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.29	21.19	21.11	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	21.71	21.30	21.39	22.00
	1 (RB_Pos:99)	HIGH	64QAM	21.50	21.25	20.86	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.44	20.49	20.48	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.74	20.54	20.47	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.58	20.42	20.39	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.47	20.53	20.35	21.00

8.6.39 Power Reduced Level 4&5&6-ANT3 of LTE Band 66

FDD LTE Band 66							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131979	132322	132665	Tune up limit (dBm)
1.4 MHz	1 (RB_Pos:0)	LOW	QPSK	20.48	20.46	20.54	21.00
	1 (RB_Pos:3)	MIDDLE	QPSK	20.42	20.59	20.43	21.00
	1 (RB_Pos:5)	HIGH	QPSK	20.60	20.44	20.63	21.00
	3 (RB_Pos:0)	LOW	QPSK	20.38	20.49	20.48	21.00
	3 (RB_Pos:1)	MIDDLE	QPSK	20.65	20.43	20.56	21.00
	3 (RB_Pos:3)	HIGH	QPSK	20.35	20.51	20.56	21.00
	6 (RB_Pos:0)	LOW	QPSK	20.60	20.60	20.46	21.00
	1 (RB_Pos:0)	LOW	16QAM	20.40	20.41	20.50	21.00
	1 (RB_Pos:3)	MIDDLE	16QAM	20.45	20.61	20.39	21.00
	1 (RB_Pos:5)	HIGH	16QAM	20.44	20.62	20.57	21.00
	3 (RB_Pos:0)	LOW	16QAM	20.47	20.62	20.65	21.00
	3 (RB_Pos:1)	MIDDLE	16QAM	20.36	20.51	20.41	21.00
	3 (RB_Pos:3)	HIGH	16QAM	20.47	20.39	20.60	21.00
	6 (RB_Pos:0)	LOW	16QAM	20.47	20.57	20.56	21.00

	1 (RB_Pos:0)	LOW	64QAM	20.37	20.60	20.62	21.00
	1 (RB_Pos:3)	MIDDLE	64QAM	20.55	20.62	20.46	21.00
	1 (RB_Pos:5)	HIGH	64QAM	20.37	20.62	20.51	21.00
	3 (RB_Pos:0)	LOW	64QAM	20.56	20.42	20.42	21.00
	3 (RB_Pos:1)	MIDDLE	64QAM	20.51	20.58	20.43	21.00
	3 (RB_Pos:3)	HIGH	64QAM	20.49	20.52	20.52	21.00
	6 (RB_Pos:0)	LOW	64QAM	20.49	20.58	20.62	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131987	132322	132657	Tune up limit (dBm)
3 MHz	1 (RB_Pos:0)	LOW	QPSK	20.52	20.59	20.61	21.00
	1 (RB_Pos:8)	MIDDLE	QPSK	20.53	20.47	20.58	21.00
	1 (RB_Pos:14)	HIGH	QPSK	20.43	20.52	20.37	21.00
	8 (RB_Pos:0)	LOW	QPSK	20.41	20.52	20.52	21.00
	8 (RB_Pos:3)	MIDDLE	QPSK	20.35	20.54	20.46	21.00
	8 (RB_Pos:7)	HIGH	QPSK	20.59	20.65	20.60	21.00
	15 (RB_Pos:0)	LOW	QPSK	20.61	20.53	20.62	21.00
	1 (RB_Pos:0)	LOW	16QAM	20.51	20.47	20.47	21.00
	1 (RB_Pos:8)	MIDDLE	16QAM	20.47	20.57	20.64	21.00
	1 (RB_Pos:14)	HIGH	16QAM	20.43	20.58	20.42	21.00
	8 (RB_Pos:0)	LOW	16QAM	20.59	20.60	20.49	21.00
	8 (RB_Pos:3)	MIDDLE	16QAM	20.52	20.37	20.46	21.00
	8 (RB_Pos:7)	HIGH	16QAM	20.60	20.53	20.65	21.00
	15 (RB_Pos:0)	LOW	16QAM	20.46	20.49	20.60	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.56	20.41	20.64	21.00
	1 (RB_Pos:8)	MIDDLE	64QAM	20.57	20.40	20.57	21.00
	1 (RB_Pos:14)	HIGH	64QAM	20.63	20.49	20.56	21.00
	8 (RB_Pos:0)	LOW	64QAM	20.47	20.47	20.36	21.00
	8 (RB_Pos:3)	MIDDLE	64QAM	20.47	20.55	20.49	21.00
	8 (RB_Pos:7)	HIGH	64QAM	20.65	20.50	20.40	21.00
	15 (RB_Pos:0)	LOW	64QAM	20.43	20.38	20.56	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			131997	132322	132647	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	20.38	20.53	20.63	21.00
	1 (RB_Pos:13)	MIDDLE	QPSK	20.48	20.35	20.56	21.00
	1 (RB_Pos:24)	HIGH	QPSK	20.46	20.48	20.49	21.00
	12 (RB_Pos:0)	LOW	QPSK	20.47	20.38	20.65	21.00
	12 (RB_Pos:6)	MIDDLE	QPSK	20.54	20.58	20.54	21.00
	12 (RB_Pos:13)	HIGH	QPSK	20.48	20.62	20.38	21.00
	25 (RB_Pos:0)	LOW	QPSK	20.49	20.36	20.39	21.00
	1 (RB_Pos:0)	LOW	16QAM	20.64	20.53	20.44	21.00
	1 (RB_Pos:13)	MIDDLE	16QAM	20.61	20.43	20.40	21.00
	1 (RB_Pos:24)	HIGH	16QAM	20.64	20.43	20.40	21.00
	12 (RB_Pos:0)	LOW	16QAM	20.52	20.43	20.38	21.00

	12 (RB_Pos:6)	MIDDLE	16QAM	20.46	20.48	20.46	21.00
	12 (RB_Pos:13)	HIGH	16QAM	20.43	20.37	20.37	21.00
	25 (RB_Pos:0)	LOW	16QAM	20.40	20.59	20.51	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.47	20.62	20.51	21.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.52	20.54	20.53	21.00
	1 (RB_Pos:24)	HIGH	64QAM	20.42	20.50	20.41	21.00
	12 (RB_Pos:0)	LOW	64QAM	20.42	20.65	20.52	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.35	20.48	20.45	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.51	20.43	20.49	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.49	20.64	20.59	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132022	132322	132622	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	20.49	20.42	20.65	21.00
	1 (RB_Pos:25)	MIDDLE	QPSK	20.62	20.63	20.61	21.00
	1 (RB_Pos:49)	HIGH	QPSK	20.39	20.63	20.56	21.00
	25 (RB_Pos:0)	LOW	QPSK	20.50	20.59	20.56	21.00
	25 (RB_Pos:12)	MIDDLE	QPSK	20.51	20.45	20.43	21.00
	25 (RB_Pos:25)	HIGH	QPSK	20.53	20.56	20.48	21.00
	50 (RB_Pos:0)	LOW	QPSK	20.56	20.65	20.57	21.00
	1 (RB_Pos:0)	LOW	16QAM	20.47	20.42	20.65	21.00
	1 (RB_Pos:25)	MIDDLE	16QAM	20.63	20.47	20.57	21.00
	1 (RB_Pos:49)	HIGH	16QAM	20.46	20.42	20.50	21.00
	25 (RB_Pos:0)	LOW	16QAM	20.60	20.65	20.49	21.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.47	20.38	20.64	21.00
	25 (RB_Pos:25)	HIGH	16QAM	20.51	20.40	20.53	21.00
	50 (RB_Pos:0)	LOW	16QAM	20.54	20.57	20.39	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.59	20.46	20.54	21.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.38	20.46	20.43	21.00
	1 (RB_Pos:49)	HIGH	64QAM	20.39	20.50	20.52	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.58	20.35	20.64	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.38	20.52	20.49	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.53	20.38	20.48	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.55	20.58	20.58	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132047	132322	132597	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	20.44	20.40	20.53	21.00
	1 (RB_Pos:38)	MIDDLE	QPSK	20.61	20.65	20.62	21.00
	1 (RB_Pos:74)	HIGH	QPSK	20.36	20.51	20.49	21.00
	36 (RB_Pos:0)	LOW	QPSK	20.37	20.53	20.37	21.00
	36 (RB_Pos:20)	MIDDLE	QPSK	20.61	20.56	20.40	21.00
	36 (RB_Pos:39)	HIGH	QPSK	20.58	20.61	20.36	21.00
	75 (RB_Pos:0)	LOW	QPSK	20.37	20.53	20.59	21.00
	1 (RB_Pos:0)	LOW	16QAM	20.35	20.54	20.35	21.00

	1 (RB_Pos:38)	MIDDLE	16QAM	20.63	20.60	20.45	21.00
	1 (RB_Pos:74)	HIGH	16QAM	20.47	20.37	20.65	21.00
	36 (RB_Pos:0)	LOW	16QAM	20.53	20.40	20.50	21.00
	36 (RB_Pos:20)	MIDDLE	16QAM	20.36	20.52	20.41	21.00
	36 (RB_Pos:39)	HIGH	16QAM	20.59	20.36	20.41	21.00
	75 (RB_Pos:0)	LOW	16QAM	20.35	20.44	20.44	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.56	20.55	20.47	21.00
	1 (RB_Pos:38)	MIDDLE	64QAM	20.62	20.64	20.51	21.00
	1 (RB_Pos:74)	HIGH	64QAM	20.52	20.54	20.60	21.00
	36 (RB_Pos:0)	LOW	64QAM	20.44	20.61	20.36	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.43	20.58	20.38	21.00
	36 (RB_Pos:39)	HIGH	64QAM	20.49	20.45	20.61	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.62	20.59	20.54	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			132072	132322	132572	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	20.60	20.46	20.57	21.00
	1 (RB_Pos:50)	MIDDLE	QPSK	20.46	20.43	20.46	21.00
	1 (RB_Pos:99)	HIGH	QPSK	20.46	20.57	20.48	21.00
	50 (RB_Pos:0)	LOW	QPSK	20.59	20.53	20.60	21.00
	50 (RB_Pos:25)	MIDDLE	QPSK	20.57	20.44	20.58	21.00
	50 (RB_Pos:50)	HIGH	QPSK	20.44	20.53	20.61	21.00
	100 (RB_Pos:0)	LOW	QPSK	20.63	20.51	20.43	21.00
	1 (RB_Pos:0)	LOW	16QAM	20.35	20.59	20.60	21.00
	1 (RB_Pos:50)	MIDDLE	16QAM	20.65	20.51	20.48	21.00
	1 (RB_Pos:99)	HIGH	16QAM	20.65	20.35	20.64	21.00
	50 (RB_Pos:0)	LOW	16QAM	20.46	20.62	20.57	21.00
	50 (RB_Pos:25)	MIDDLE	16QAM	20.46	20.43	20.51	21.00
	50 (RB_Pos:50)	HIGH	16QAM	20.46	20.47	20.56	21.00
	100 (RB_Pos:0)	LOW	16QAM	20.35	20.44	20.40	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.56	20.65	20.63	21.00
	1 (RB_Pos:50)	MIDDLE	64QAM	20.65	20.46	20.59	21.00
	1 (RB_Pos:99)	HIGH	64QAM	20.37	20.60	20.45	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.44	20.38	20.65	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.55	20.57	20.48	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.54	20.54	20.55	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.52	20.62	20.59	21.00

8.6.40 Power Reduced Level 1&2&3-ANT2 of LTE Band 38

TDD LTE Band 38							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37775	38000	38225	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	18.14	17.88	18.11	18.50
	1 (RB_Pos:13)	MIDDLE	QPSK	18.02	18.00	17.88	18.50
	1 (RB_Pos:24)	HIGH	QPSK	17.97	17.88	17.95	18.50
	12 (RB_Pos:0)	LOW	QPSK	18.14	17.90	17.98	18.50
	12 (RB_Pos:6)	MIDDLE	QPSK	17.96	17.85	17.89	18.50
	12 (RB_Pos:13)	HIGH	QPSK	17.87	17.95	17.94	18.50
	25 (RB_Pos:0)	LOW	QPSK	18.01	18.12	17.92	18.50
	1 (RB_Pos:0)	LOW	16QAM	18.04	18.15	17.91	18.50
	1 (RB_Pos:13)	MIDDLE	16QAM	18.06	17.94	17.87	18.50
	1 (RB_Pos:24)	HIGH	16QAM	18.13	18.14	17.93	18.50
	12 (RB_Pos:0)	LOW	16QAM	17.89	17.89	17.96	18.50
	12 (RB_Pos:6)	MIDDLE	16QAM	18.01	17.97	17.94	18.50
	12 (RB_Pos:13)	HIGH	16QAM	18.01	18.05	17.99	18.50
	25 (RB_Pos:0)	LOW	16QAM	17.97	18.02	18.14	18.50
	1 (RB_Pos:0)	LOW	64QAM	17.85	17.86	18.09	18.50
	1 (RB_Pos:13)	MIDDLE	64QAM	18.12	18.08	17.98	18.50
	1 (RB_Pos:24)	HIGH	64QAM	18.08	17.86	18.12	18.50
	12 (RB_Pos:0)	LOW	64QAM	18.02	18.10	17.93	18.50
	12 (RB_Pos:6)	MIDDLE	64QAM	17.91	17.95	18.05	18.50
	12 (RB_Pos:13)	HIGH	64QAM	17.96	18.11	18.04	18.50
	25 (RB_Pos:0)	LOW	64QAM	17.99	18.04	18.14	18.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37800	38000	38200	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	18.09	18.09	17.89	18.50
	1 (RB_Pos:25)	MIDDLE	QPSK	18.12	18.14	18.04	18.50
	1 (RB_Pos:49)	HIGH	QPSK	18.00	18.06	17.88	18.50
	25 (RB_Pos:0)	LOW	QPSK	17.87	18.14	18.14	18.50
	25 (RB_Pos:12)	MIDDLE	QPSK	17.86	17.95	17.97	18.50
	25 (RB_Pos:25)	HIGH	QPSK	17.97	17.90	17.92	18.50
	50 (RB_Pos:0)	LOW	QPSK	18.14	17.98	17.86	18.50
	1 (RB_Pos:0)	LOW	16QAM	18.10	18.15	17.85	18.50
	1 (RB_Pos:25)	MIDDLE	16QAM	17.85	17.94	17.88	18.50
	1 (RB_Pos:49)	HIGH	16QAM	18.00	17.99	18.01	18.50
	25 (RB_Pos:0)	LOW	16QAM	18.15	17.88	18.05	18.50
	25 (RB_Pos:12)	MIDDLE	16QAM	18.15	17.98	17.90	18.50
	25 (RB_Pos:25)	HIGH	16QAM	17.91	17.91	18.02	18.50
	50 (RB_Pos:0)	LOW	16QAM	17.95	18.06	18.09	18.50
	1 (RB_Pos:0)	LOW	64QAM	18.01	17.93	17.93	18.50
	1 (RB_Pos:25)	MIDDLE	64QAM	17.86	17.94	17.87	18.50

	1 (RB_Pos:49)	HIGH	64QAM	17.97	17.89	18.10	18.50
	25 (RB_Pos:0)	LOW	64QAM	17.85	17.96	18.10	18.50
	25 (RB_Pos:12)	MIDDLE	64QAM	18.00	17.91	18.11	18.50
	25 (RB_Pos:25)	HIGH	64QAM	18.14	18.15	18.00	18.50
	50 (RB_Pos:0)	LOW	64QAM	18.07	18.02	18.03	18.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37825	38000	38175	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	17.86	17.98	17.86	18.50
	1 (RB_Pos:38)	MIDDLE	QPSK	17.94	18.01	18.12	18.50
	1 (RB_Pos:74)	HIGH	QPSK	18.00	18.15	18.14	18.50
	36 (RB_Pos:0)	LOW	QPSK	18.07	17.89	17.88	18.50
	36 (RB_Pos:20)	MIDDLE	QPSK	17.86	18.12	18.03	18.50
	36 (RB_Pos:39)	HIGH	QPSK	17.92	17.99	17.91	18.50
	75 (RB_Pos:0)	LOW	QPSK	17.90	17.87	18.10	18.50
	1 (RB_Pos:0)	LOW	16QAM	17.92	17.89	17.97	18.50
	1 (RB_Pos:38)	MIDDLE	16QAM	18.06	17.96	18.09	18.50
	1 (RB_Pos:74)	HIGH	16QAM	17.91	18.08	17.85	18.50
	36 (RB_Pos:0)	LOW	16QAM	18.09	17.86	18.13	18.50
	36 (RB_Pos:20)	MIDDLE	16QAM	17.85	18.01	18.07	18.50
	36 (RB_Pos:39)	HIGH	16QAM	17.87	17.96	17.99	18.50
	75 (RB_Pos:0)	LOW	16QAM	18.02	18.08	18.09	18.50
	1 (RB_Pos:0)	LOW	64QAM	18.13	18.13	17.88	18.50
	1 (RB_Pos:38)	MIDDLE	64QAM	18.10	17.93	18.02	18.50
	1 (RB_Pos:74)	HIGH	64QAM	17.99	17.87	17.95	18.50
	36 (RB_Pos:0)	LOW	64QAM	17.97	17.98	18.05	18.50
	36 (RB_Pos:20)	MIDDLE	64QAM	17.92	17.88	17.90	18.50
	36 (RB_Pos:39)	HIGH	64QAM	18.13	18.08	18.05	18.50
	75 (RB_Pos:0)	LOW	64QAM	17.95	17.87	17.93	18.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37850	38000	38150	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	18.03	17.88	17.93	18.50
	1 (RB_Pos:50)	MIDDLE	QPSK	17.90	18.08	17.97	18.50
	1 (RB_Pos:99)	HIGH	QPSK	17.92	18.10	17.96	18.50
	50 (RB_Pos:0)	LOW	QPSK	18.14	18.13	17.95	18.50
	50 (RB_Pos:25)	MIDDLE	QPSK	17.91	18.08	18.03	18.50
	50 (RB_Pos:50)	HIGH	QPSK	17.96	18.00	18.10	18.50
	100 (RB_Pos:0)	LOW	QPSK	17.86	17.86	18.10	18.50
	1 (RB_Pos:0)	LOW	16QAM	17.85	17.99	17.94	18.50
	1 (RB_Pos:50)	MIDDLE	16QAM	18.02	17.89	17.94	18.50
	1 (RB_Pos:99)	HIGH	16QAM	18.02	18.13	18.02	18.50
	50 (RB_Pos:0)	LOW	16QAM	17.89	18.05	17.91	18.50
	50 (RB_Pos:25)	MIDDLE	16QAM	18.04	18.01	17.87	18.50
	50 (RB_Pos:50)	HIGH	16QAM	18.00	18.00	17.92	18.50

	100 (RB_Pos:0)	LOW	16QAM	18.12	18.00	17.95	18.50
	1 (RB_Pos:0)	LOW	64QAM	18.00	18.10	17.91	18.50
	1 (RB_Pos:50)	MIDDLE	64QAM	17.88	18.11	18.06	18.50
	1 (RB_Pos:99)	HIGH	64QAM	17.95	18.09	17.97	18.50
	50 (RB_Pos:0)	LOW	64QAM	18.05	18.04	17.92	18.50
	50 (RB_Pos:25)	MIDDLE	64QAM	18.01	18.14	18.04	18.50
	50 (RB_Pos:50)	HIGH	64QAM	17.87	17.91	17.86	18.50
	100 (RB_Pos:0)	LOW	64QAM	17.88	17.86	17.90	18.50

8.6.41 Power Reduced Level 4&5&6-ANT2 of LTE Band 38

TDD LTE Band 38							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37775	38000	38225	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	20.00	19.99	19.96	20.50
	1 (RB_Pos:13)	MIDDLE	QPSK	19.97	19.92	20.15	20.50
	1 (RB_Pos:24)	HIGH	QPSK	19.89	19.93	19.92	20.50
	12 (RB_Pos:0)	LOW	QPSK	19.89	19.93	19.95	20.50
	12 (RB_Pos:6)	MIDDLE	QPSK	19.91	19.99	19.87	20.50
	12 (RB_Pos:13)	HIGH	QPSK	19.90	20.12	20.09	20.50
	25 (RB_Pos:0)	LOW	QPSK	20.10	19.98	20.08	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.96	20.06	20.11	20.50
	1 (RB_Pos:13)	MIDDLE	16QAM	19.98	20.01	20.13	20.50
	1 (RB_Pos:24)	HIGH	16QAM	19.87	19.87	20.00	20.50
	12 (RB_Pos:0)	LOW	16QAM	19.86	19.99	19.97	20.50
	12 (RB_Pos:6)	MIDDLE	16QAM	19.95	19.87	20.15	20.50
	12 (RB_Pos:13)	HIGH	16QAM	19.90	20.09	19.87	20.50
	25 (RB_Pos:0)	LOW	16QAM	20.05	20.13	20.04	20.50
	1 (RB_Pos:0)	LOW	64QAM	20.09	20.06	19.97	20.50
	1 (RB_Pos:13)	MIDDLE	64QAM	20.05	19.99	19.88	20.50
	1 (RB_Pos:24)	HIGH	64QAM	20.04	19.89	19.88	20.50
	12 (RB_Pos:0)	LOW	64QAM	19.87	20.11	19.88	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.09	20.03	19.89	20.50
	12 (RB_Pos:13)	HIGH	64QAM	20.02	20.09	19.88	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.86	20.12	19.88	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37800	38000	38200	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	19.98	19.86	20.08	20.50
	1 (RB_Pos:25)	MIDDLE	QPSK	19.97	20.11	19.91	20.50
	1 (RB_Pos:49)	HIGH	QPSK	20.08	19.93	19.86	20.50
	25 (RB_Pos:0)	LOW	QPSK	19.86	19.93	20.09	20.50
	25 (RB_Pos:12)	MIDDLE	QPSK	19.90	20.14	20.14	20.50
	25 (RB_Pos:25)	HIGH	QPSK	20.14	19.92	19.95	20.50

	50 (RB_Pos:0)	LOW	QPSK	20.02	20.15	19.92	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.97	20.13	19.97	20.50
	1 (RB_Pos:25)	MIDDLE	16QAM	19.95	20.09	20.03	20.50
	1 (RB_Pos:49)	HIGH	16QAM	20.00	20.10	20.15	20.50
	25 (RB_Pos:0)	LOW	16QAM	19.89	19.90	20.09	20.50
	25 (RB_Pos:12)	MIDDLE	16QAM	20.00	19.96	19.99	20.50
	25 (RB_Pos:25)	HIGH	16QAM	20.15	19.98	19.89	20.50
	50 (RB_Pos:0)	LOW	16QAM	20.05	20.11	19.98	20.50
	1 (RB_Pos:0)	LOW	64QAM	20.06	19.96	20.09	20.50
	1 (RB_Pos:25)	MIDDLE	64QAM	19.99	20.09	19.99	20.50
	1 (RB_Pos:49)	HIGH	64QAM	20.12	19.86	19.90	20.50
	25 (RB_Pos:0)	LOW	64QAM	20.12	20.04	20.05	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	19.96	20.06	19.97	20.50
	25 (RB_Pos:25)	HIGH	64QAM	20.07	20.08	19.96	20.50
	50 (RB_Pos:0)	LOW	64QAM	20.01	20.02	20.06	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37825	38000	38175	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	20.04	19.96	20.12	20.50
	1 (RB_Pos:38)	MIDDLE	QPSK	19.93	20.06	20.14	20.50
	1 (RB_Pos:74)	HIGH	QPSK	19.97	19.98	20.05	20.50
	36 (RB_Pos:0)	LOW	QPSK	19.94	19.95	20.00	20.50
	36 (RB_Pos:20)	MIDDLE	QPSK	19.99	20.15	19.96	20.50
	36 (RB_Pos:39)	HIGH	QPSK	19.85	19.99	19.93	20.50
	75 (RB_Pos:0)	LOW	QPSK	19.94	20.05	20.09	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.90	19.94	20.03	20.50
	1 (RB_Pos:38)	MIDDLE	16QAM	20.05	19.90	19.93	20.50
	1 (RB_Pos:74)	HIGH	16QAM	20.07	19.87	20.10	20.50
	36 (RB_Pos:0)	LOW	16QAM	19.88	20.02	19.88	20.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.01	20.11	19.95	20.50
	36 (RB_Pos:39)	HIGH	16QAM	19.96	20.03	19.96	20.50
	75 (RB_Pos:0)	LOW	16QAM	20.09	19.87	20.08	20.50
	1 (RB_Pos:0)	LOW	64QAM	20.07	19.85	20.03	20.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.08	19.94	20.03	20.50
	1 (RB_Pos:74)	HIGH	64QAM	19.89	19.99	20.12	20.50
	36 (RB_Pos:0)	LOW	64QAM	19.93	20.07	20.04	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	20.12	20.08	20.11	20.50
	36 (RB_Pos:39)	HIGH	64QAM	20.15	20.06	20.11	20.50
	75 (RB_Pos:0)	LOW	64QAM	19.90	20.14	20.01	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37850	38000	38150	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	20.03	19.95	19.87	20.50
	1 (RB_Pos:50)	MIDDLE	QPSK	19.97	19.88	20.05	20.50
	1 (RB_Pos:99)	HIGH	QPSK	20.06	19.92	19.99	20.50

	50 (RB_Pos:0)	LOW	QPSK	19.91	20.15	20.00	20.50
	50 (RB_Pos:25)	MIDDLE	QPSK	20.14	19.88	20.00	20.50
	50 (RB_Pos:50)	HIGH	QPSK	19.89	20.12	19.89	20.50
	100 (RB_Pos:0)	LOW	QPSK	19.99	20.10	19.87	20.50
	1 (RB_Pos:0)	LOW	16QAM	20.03	19.85	19.91	20.50
	1 (RB_Pos:50)	MIDDLE	16QAM	20.06	20.13	19.96	20.50
	1 (RB_Pos:99)	HIGH	16QAM	19.99	20.06	19.89	20.50
	50 (RB_Pos:0)	LOW	16QAM	19.99	19.87	19.89	20.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.00	19.93	20.04	20.50
	50 (RB_Pos:50)	HIGH	16QAM	19.85	19.86	19.88	20.50
	100 (RB_Pos:0)	LOW	16QAM	19.96	19.88	20.10	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.91	20.09	19.98	20.50
	1 (RB_Pos:50)	MIDDLE	64QAM	20.13	20.03	20.00	20.50
	1 (RB_Pos:99)	HIGH	64QAM	19.93	19.89	20.07	20.50
	50 (RB_Pos:0)	LOW	64QAM	20.02	20.01	19.95	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.87	20.12	19.97	20.50
	50 (RB_Pos:50)	HIGH	64QAM	19.90	19.85	19.87	20.50
	100 (RB_Pos:0)	LOW	64QAM	20.09	20.05	19.97	20.50

8.6.42 Power Reduced Level 1&2&3-ANT3 of LTE Band 38

TDD LTE Band 38							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37775	38000	38225	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	23.09	23.19	23.34	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	23.08	23.20	23.34	24.00
	1 (RB_Pos:24)	HIGH	QPSK	23.06	23.22	23.30	24.00
	12 (RB_Pos:0)	LOW	QPSK	22.02	22.10	22.26	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	22.07	22.13	22.27	23.00
	12 (RB_Pos:13)	HIGH	QPSK	22.01	22.12	22.24	23.00
	25 (RB_Pos:0)	LOW	QPSK	22.04	22.12	22.23	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.29	22.46	22.69	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	22.31	22.47	22.67	23.00
	1 (RB_Pos:24)	HIGH	16QAM	22.28	22.49	22.64	23.00
	12 (RB_Pos:0)	LOW	16QAM	21.08	21.12	21.35	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	21.12	21.15	21.37	22.00
	12 (RB_Pos:13)	HIGH	16QAM	21.04	21.14	21.34	22.00
	25 (RB_Pos:0)	LOW	16QAM	21.08	21.22	21.30	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.27	21.45	21.71	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	21.43	21.51	21.75	22.00
	1 (RB_Pos:24)	HIGH	64QAM	21.43	21.49	21.66	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.65	20.75	20.75	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.66	20.70	20.81	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.62	20.59	20.91	21.00

	25 (RB_Pos:0)	LOW	64QAM	20.63	20.76	20.90	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37800	38000	38200	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	23.09	23.26	23.37	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	23.30	23.47	23.59	24.00
	1 (RB_Pos:49)	HIGH	QPSK	23.07	23.23	23.33	24.00
	25 (RB_Pos:0)	LOW	QPSK	22.06	22.17	22.27	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	22.05	22.20	22.27	23.00
	25 (RB_Pos:25)	HIGH	QPSK	22.06	22.18	22.26	23.00
	50 (RB_Pos:0)	LOW	QPSK	22.04	22.18	22.26	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.37	22.67	22.73	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	22.57	22.85	22.89	23.00
	1 (RB_Pos:49)	HIGH	16QAM	22.35	22.65	22.67	23.00
	25 (RB_Pos:0)	LOW	16QAM	21.12	21.20	21.33	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	21.10	21.23	21.33	22.00
	25 (RB_Pos:25)	HIGH	16QAM	21.11	21.22	21.29	22.00
	50 (RB_Pos:0)	LOW	16QAM	21.11	21.23	21.33	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.24	21.66	21.60	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	21.42	21.77	21.90	22.00
	1 (RB_Pos:49)	HIGH	64QAM	21.29	21.76	21.57	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.57	20.62	20.76	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.73	20.59	20.88	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.72	20.71	20.89	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.70	20.76	20.93	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37825	38000	38175	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	23.05	23.21	23.31	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	23.09	23.19	23.29	24.00
	1 (RB_Pos:74)	HIGH	QPSK	23.03	23.13	23.21	24.00
	36 (RB_Pos:0)	LOW	QPSK	22.07	22.19	22.29	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	22.07	22.22	22.29	23.00
	36 (RB_Pos:39)	HIGH	QPSK	22.09	22.21	22.25	23.00
	75 (RB_Pos:0)	LOW	QPSK	22.09	22.22	22.26	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.31	22.65	22.60	23.00
	1 (RB_Pos:38)	MIDDLE	16QAM	22.33	22.62	22.57	23.00
	1 (RB_Pos:74)	HIGH	16QAM	22.29	22.55	22.50	23.00
	36 (RB_Pos:0)	LOW	16QAM	21.03	21.15	21.23	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	21.05	21.18	21.26	22.00
	36 (RB_Pos:39)	HIGH	16QAM	21.04	21.17	21.24	22.00
	75 (RB_Pos:0)	LOW	16QAM	21.07	21.23	21.26	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.25	21.76	21.74	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.24	21.50	21.64	22.00
	1 (RB_Pos:74)	HIGH	64QAM	21.36	21.41	21.36	22.00

	36 (RB_Pos:0)	LOW	64QAM	20.67	20.72	20.71	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.56	20.70	20.73	21.00
	36 (RB_Pos:39)	HIGH	64QAM	20.44	20.52	20.72	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.44	20.62	20.86	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37850	38000	38150	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.96	23.04	23.25	24.00
	1 (RB_Pos:50)	MIDDLE	QPSK	23.31	23.36	23.53	24.00
	1 (RB_Pos:99)	HIGH	QPSK	22.91	22.98	23.16	24.00
	50 (RB_Pos:0)	LOW	QPSK	22.00	22.10	22.18	23.00
	50 (RB_Pos:25)	MIDDLE	QPSK	22.07	22.17	22.19	23.00
	50 (RB_Pos:50)	HIGH	QPSK	22.04	22.16	22.15	23.00
	100 (RB_Pos:0)	LOW	QPSK	22.00	22.10	22.16	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.24	22.27	22.55	23.00
	1 (RB_Pos:50)	MIDDLE	16QAM	22.59	22.58	22.86	23.00
	1 (RB_Pos:99)	HIGH	16QAM	22.18	22.18	22.46	23.00
	50 (RB_Pos:0)	LOW	16QAM	21.01	21.11	21.26	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	21.04	21.21	21.25	22.00
	50 (RB_Pos:50)	HIGH	16QAM	21.07	21.18	21.22	22.00
	100 (RB_Pos:0)	LOW	16QAM	21.03	21.15	21.21	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.38	21.23	21.41	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	21.72	21.70	21.84	22.00
	1 (RB_Pos:99)	HIGH	64QAM	21.17	21.21	21.61	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.47	20.75	20.76	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.65	20.58	20.62	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.52	20.71	20.70	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.49	20.74	20.69	21.00

8.6.43 Power Reduced Level 4&5&6-ANT3 of LTE Band 38

TDD LTE Band 38							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37775	38000	38225	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.04	22.03	22.35	23.00
	1 (RB_Pos:13)	MIDDLE	QPSK	22.33	22.43	22.68	23.00
	1 (RB_Pos:24)	HIGH	QPSK	21.86	22.00	22.21	23.00
	12 (RB_Pos:0)	LOW	QPSK	20.89	21.09	21.16	22.00
	12 (RB_Pos:6)	MIDDLE	QPSK	21.08	21.14	21.06	22.00
	12 (RB_Pos:13)	HIGH	QPSK	20.91	21.14	21.07	22.00
	25 (RB_Pos:0)	LOW	QPSK	20.99	21.00	21.19	22.00
	1 (RB_Pos:0)	LOW	16QAM	21.34	21.24	21.52	22.00
	1 (RB_Pos:13)	MIDDLE	16QAM	21.56	21.67	21.80	22.00
	1 (RB_Pos:24)	HIGH	16QAM	21.26	21.31	21.37	22.00

	12 (RB_Pos:0)	LOW	16QAM	20.10	20.26	20.34	21.00
	12 (RB_Pos:6)	MIDDLE	16QAM	20.03	20.17	20.39	21.00
	12 (RB_Pos:13)	HIGH	16QAM	20.22	20.20	20.11	21.00
	25 (RB_Pos:0)	LOW	16QAM	20.09	20.03	20.33	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.49	20.11	20.39	21.00
	1 (RB_Pos:13)	MIDDLE	64QAM	20.67	20.80	20.90	21.00
	1 (RB_Pos:24)	HIGH	64QAM	20.16	20.30	20.73	21.00
	12 (RB_Pos:0)	LOW	64QAM	19.57	19.68	19.63	20.00
	12 (RB_Pos:6)	MIDDLE	64QAM	19.56	19.46	19.67	20.00
	12 (RB_Pos:13)	HIGH	64QAM	19.54	19.63	19.64	20.00
	25 (RB_Pos:0)	LOW	64QAM	19.36	19.66	19.83	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37800	38000	38200	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	21.98	21.98	22.11	23.00
	1 (RB_Pos:25)	MIDDLE	QPSK	22.36	22.24	22.54	23.00
	1 (RB_Pos:49)	HIGH	QPSK	21.98	21.89	22.12	23.00
	25 (RB_Pos:0)	LOW	QPSK	20.98	20.97	21.31	22.00
	25 (RB_Pos:12)	MIDDLE	QPSK	21.22	21.11	21.12	22.00
	25 (RB_Pos:25)	HIGH	QPSK	20.94	21.01	21.26	22.00
	50 (RB_Pos:0)	LOW	QPSK	20.92	21.02	21.01	22.00
	1 (RB_Pos:0)	LOW	16QAM	21.25	21.28	21.47	22.00
	1 (RB_Pos:25)	MIDDLE	16QAM	21.63	21.63	21.93	22.00
	1 (RB_Pos:49)	HIGH	16QAM	21.28	21.06	21.36	22.00
	25 (RB_Pos:0)	LOW	16QAM	20.00	20.22	20.36	21.00
	25 (RB_Pos:12)	MIDDLE	16QAM	20.06	20.34	20.22	21.00
	25 (RB_Pos:25)	HIGH	16QAM	20.03	20.14	20.18	21.00
	50 (RB_Pos:0)	LOW	16QAM	20.08	20.03	20.31	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.26	20.32	20.30	21.00
	1 (RB_Pos:25)	MIDDLE	64QAM	20.67	20.82	20.71	21.00
	1 (RB_Pos:49)	HIGH	64QAM	20.16	20.33	20.76	21.00
	25 (RB_Pos:0)	LOW	64QAM	19.37	19.65	19.67	20.00
	25 (RB_Pos:12)	MIDDLE	64QAM	19.64	19.49	19.61	20.00
	25 (RB_Pos:25)	HIGH	64QAM	19.60	19.81	19.63	20.00
	50 (RB_Pos:0)	LOW	64QAM	19.64	19.81	19.79	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37825	38000	38175	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	21.98	21.93	22.22	23.00
	1 (RB_Pos:38)	MIDDLE	QPSK	22.23	22.40	22.57	23.00
	1 (RB_Pos:74)	HIGH	QPSK	21.88	21.97	22.05	23.00
	36 (RB_Pos:0)	LOW	QPSK	21.07	21.06	21.26	22.00
	36 (RB_Pos:20)	MIDDLE	QPSK	20.99	21.05	21.04	22.00
	36 (RB_Pos:39)	HIGH	QPSK	21.04	21.12	21.28	22.00
	75 (RB_Pos:0)	LOW	QPSK	21.05	20.98	21.18	22.00

	1 (RB_Pos:0)	LOW	16QAM	21.17	21.28	21.44	22.00
	1 (RB_Pos:38)	MIDDLE	16QAM	21.70	21.47	21.84	22.00
	1 (RB_Pos:74)	HIGH	16QAM	21.14	21.26	21.38	22.00
	36 (RB_Pos:0)	LOW	16QAM	19.87	20.09	20.28	21.00
	36 (RB_Pos:20)	MIDDLE	16QAM	19.98	20.35	20.14	21.00
	36 (RB_Pos:39)	HIGH	16QAM	20.14	20.18	20.11	21.00
	75 (RB_Pos:0)	LOW	16QAM	19.92	20.04	20.34	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.44	20.38	20.54	21.00
	1 (RB_Pos:38)	MIDDLE	64QAM	20.77	20.65	20.82	21.00
	1 (RB_Pos:74)	HIGH	64QAM	20.18	20.28	20.52	21.00
	36 (RB_Pos:0)	LOW	64QAM	19.45	19.82	19.82	20.00
	36 (RB_Pos:20)	MIDDLE	64QAM	19.58	19.66	19.72	20.00
	36 (RB_Pos:39)	HIGH	64QAM	19.66	19.66	19.75	20.00
	75 (RB_Pos:0)	LOW	64QAM	19.38	19.75	19.76	20.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			37850	38000	38150	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.11	22.01	22.37	23.00
	1 (RB_Pos:50)	MIDDLE	QPSK	22.26	22.40	22.43	23.00
	1 (RB_Pos:99)	HIGH	QPSK	21.78	22.04	22.30	23.00
	50 (RB_Pos:0)	LOW	QPSK	21.00	21.15	21.19	22.00
	50 (RB_Pos:25)	MIDDLE	QPSK	20.93	21.20	21.15	22.00
	50 (RB_Pos:50)	HIGH	QPSK	20.92	21.11	21.30	22.00
	100 (RB_Pos:0)	LOW	QPSK	21.02	21.05	21.05	22.00
	1 (RB_Pos:0)	LOW	16QAM	21.24	21.41	21.53	22.00
	1 (RB_Pos:50)	MIDDLE	16QAM	21.52	21.49	21.84	22.00
	1 (RB_Pos:99)	HIGH	16QAM	21.26	21.29	21.39	22.00
	50 (RB_Pos:0)	LOW	16QAM	20.05	20.17	20.18	21.00
	50 (RB_Pos:25)	MIDDLE	16QAM	20.17	20.35	20.14	21.00
	50 (RB_Pos:50)	HIGH	16QAM	20.05	20.19	20.16	21.00
	100 (RB_Pos:0)	LOW	16QAM	19.98	20.10	20.27	21.00
	1 (RB_Pos:0)	LOW	64QAM	20.53	20.18	20.51	21.00
	1 (RB_Pos:50)	MIDDLE	64QAM	20.85	20.75	20.82	21.00
	1 (RB_Pos:99)	HIGH	64QAM	20.27	20.18	20.63	21.00
	50 (RB_Pos:0)	LOW	64QAM	19.37	19.74	19.86	20.00
	50 (RB_Pos:25)	MIDDLE	64QAM	19.67	19.49	19.59	20.00
	50 (RB_Pos:50)	HIGH	64QAM	19.48	19.82	19.85	20.00
	100 (RB_Pos:0)	LOW	64QAM	19.56	19.61	19.83	20.00

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

TDD LTE Band 41							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40065	40765	41215	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	18.04	17.89	18.03	18.50
	1 (RB_Pos:13)	MIDDLE	QPSK	18.03	18.15	18.05	18.50
	1 (RB_Pos:24)	HIGH	QPSK	17.95	18.05	17.85	18.50
	12 (RB_Pos:0)	LOW	QPSK	18.12	17.86	17.92	18.50
	12 (RB_Pos:6)	MIDDLE	QPSK	17.91	17.93	18.15	18.50
	12 (RB_Pos:13)	HIGH	QPSK	18.09	17.93	17.99	18.50
	25 (RB_Pos:0)	LOW	QPSK	17.93	18.14	18.10	18.50
	1 (RB_Pos:0)	LOW	16QAM	17.93	17.93	17.87	18.50
	1 (RB_Pos:13)	MIDDLE	16QAM	18.13	17.85	17.86	18.50
	1 (RB_Pos:24)	HIGH	16QAM	17.94	18.00	18.01	18.50
	12 (RB_Pos:0)	LOW	16QAM	17.97	18.04	17.97	18.50
	12 (RB_Pos:6)	MIDDLE	16QAM	18.05	17.99	17.94	18.50
	12 (RB_Pos:13)	HIGH	16QAM	17.94	18.05	17.90	18.50
	25 (RB_Pos:0)	LOW	16QAM	17.93	17.87	18.09	18.50
	1 (RB_Pos:0)	LOW	64QAM	18.13	17.92	17.90	18.50
	1 (RB_Pos:13)	MIDDLE	64QAM	17.90	17.90	17.98	18.50
	1 (RB_Pos:24)	HIGH	64QAM	18.03	18.06	17.87	18.50
	12 (RB_Pos:0)	LOW	64QAM	17.99	17.99	17.90	18.50
	12 (RB_Pos:6)	MIDDLE	64QAM	18.04	18.08	17.91	18.50
	12 (RB_Pos:13)	HIGH	64QAM	18.08	18.02	17.87	18.50
	25 (RB_Pos:0)	LOW	64QAM	18.09	18.12	18.04	18.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40090	40765	41190	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	18.08	18.00	18.02	18.50
	1 (RB_Pos:25)	MIDDLE	QPSK	17.93	17.97	17.97	18.50
	1 (RB_Pos:49)	HIGH	QPSK	18.05	17.93	17.85	18.50
	25 (RB_Pos:0)	LOW	QPSK	18.13	17.87	17.86	18.50
	25 (RB_Pos:12)	MIDDLE	QPSK	17.98	17.87	18.08	18.50
	25 (RB_Pos:25)	HIGH	QPSK	17.87	18.06	18.00	18.50
	50 (RB_Pos:0)	LOW	QPSK	17.97	18.08	17.95	18.50
	1 (RB_Pos:0)	LOW	16QAM	17.97	18.05	17.99	18.50
	1 (RB_Pos:25)	MIDDLE	16QAM	18.09	17.91	18.07	18.50
	1 (RB_Pos:49)	HIGH	16QAM	18.02	17.94	17.88	18.50
	25 (RB_Pos:0)	LOW	16QAM	17.90	18.07	17.89	18.50
	25 (RB_Pos:12)	MIDDLE	16QAM	18.09	17.99	17.97	18.50
	25 (RB_Pos:25)	HIGH	16QAM	17.90	18.05	18.01	18.50
	50 (RB_Pos:0)	LOW	16QAM	18.13	17.87	18.00	18.50
	1 (RB_Pos:0)	LOW	64QAM	18.10	18.13	17.97	18.50
	1 (RB_Pos:25)	MIDDLE	64QAM	18.11	17.88	18.04	18.50

	1 (RB_Pos:49)	HIGH	64QAM	17.98	17.88	17.87	18.50
	25 (RB_Pos:0)	LOW	64QAM	17.92	18.10	17.96	18.50
	25 (RB_Pos:12)	MIDDLE	64QAM	18.09	18.03	17.92	18.50
	25 (RB_Pos:25)	HIGH	64QAM	18.14	17.95	17.87	18.50
	50 (RB_Pos:0)	LOW	64QAM	18.12	18.05	17.94	18.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40115	40765	41165	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	18.09	18.09	17.95	18.50
	1 (RB_Pos:38)	MIDDLE	QPSK	17.99	17.85	18.03	18.50
	1 (RB_Pos:74)	HIGH	QPSK	17.85	17.99	17.99	18.50
	36 (RB_Pos:0)	LOW	QPSK	18.01	17.94	18.13	18.50
	36 (RB_Pos:20)	MIDDLE	QPSK	17.93	18.06	17.91	18.50
	36 (RB_Pos:39)	HIGH	QPSK	17.97	17.97	18.12	18.50
	75 (RB_Pos:0)	LOW	QPSK	17.92	17.94	17.86	18.50
	1 (RB_Pos:0)	LOW	16QAM	18.04	18.08	18.13	18.50
	1 (RB_Pos:38)	MIDDLE	16QAM	18.01	18.10	18.14	18.50
	1 (RB_Pos:74)	HIGH	16QAM	18.05	17.86	18.05	18.50
	36 (RB_Pos:0)	LOW	16QAM	17.92	17.89	18.15	18.50
	36 (RB_Pos:20)	MIDDLE	16QAM	17.94	18.03	17.88	18.50
	36 (RB_Pos:39)	HIGH	16QAM	17.90	18.05	18.02	18.50
	75 (RB_Pos:0)	LOW	16QAM	18.10	18.08	18.10	18.50
	1 (RB_Pos:0)	LOW	64QAM	17.94	17.87	17.93	18.50
	1 (RB_Pos:38)	MIDDLE	64QAM	18.12	18.07	17.93	18.50
	1 (RB_Pos:74)	HIGH	64QAM	17.88	17.99	17.91	18.50
	36 (RB_Pos:0)	LOW	64QAM	18.13	17.88	18.09	18.50
	36 (RB_Pos:20)	MIDDLE	64QAM	17.90	17.86	18.14	18.50
	36 (RB_Pos:39)	HIGH	64QAM	17.89	18.15	17.91	18.50
	75 (RB_Pos:0)	LOW	64QAM	17.97	18.03	17.96	18.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40140	40765	41140	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	17.95	18.04	18.05	18.50
	1 (RB_Pos:50)	MIDDLE	QPSK	18.15	17.93	18.06	18.50
	1 (RB_Pos:99)	HIGH	QPSK	17.86	18.04	18.13	18.50
	50 (RB_Pos:0)	LOW	QPSK	17.91	18.07	18.12	18.50
	50 (RB_Pos:25)	MIDDLE	QPSK	17.90	18.08	18.07	18.50
	50 (RB_Pos:50)	HIGH	QPSK	17.97	17.91	18.10	18.50
	100 (RB_Pos:0)	LOW	QPSK	17.93	18.13	17.96	18.50
	1 (RB_Pos:0)	LOW	16QAM	18.08	18.00	18.06	18.50
	1 (RB_Pos:50)	MIDDLE	16QAM	17.93	18.06	17.94	18.50
	1 (RB_Pos:99)	HIGH	16QAM	17.94	18.03	17.87	18.50
	50 (RB_Pos:0)	LOW	16QAM	18.00	18.02	17.95	18.50
	50 (RB_Pos:25)	MIDDLE	16QAM	18.06	18.06	18.04	18.50
	50 (RB_Pos:50)	HIGH	16QAM	17.98	18.01	18.08	18.50

	100 (RB_Pos:0)	LOW	16QAM	17.96	17.91	17.87	18.50
	1 (RB_Pos:0)	LOW	64QAM	18.11	18.01	18.03	18.50
	1 (RB_Pos:50)	MIDDLE	64QAM	18.00	18.00	18.15	18.50
	1 (RB_Pos:99)	HIGH	64QAM	18.09	17.86	18.13	18.50
	50 (RB_Pos:0)	LOW	64QAM	17.85	17.85	18.10	18.50
	50 (RB_Pos:25)	MIDDLE	64QAM	18.13	17.89	17.98	18.50
	50 (RB_Pos:50)	HIGH	64QAM	17.89	18.03	18.04	18.50
	100 (RB_Pos:0)	LOW	64QAM	17.88	18.01	18.09	18.50

8.6.45 Power Reduced Level 4&5&6-ANT2 of LTE Band 41

TDD LTE Band 41							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40065	40765	41215	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	19.93	19.86	20.06	20.50
	1 (RB_Pos:13)	MIDDLE	QPSK	19.89	19.95	19.86	20.50
	1 (RB_Pos:24)	HIGH	QPSK	19.90	20.01	19.99	20.50
	12 (RB_Pos:0)	LOW	QPSK	20.05	20.15	19.92	20.50
	12 (RB_Pos:6)	MIDDLE	QPSK	19.90	19.85	19.96	20.50
	12 (RB_Pos:13)	HIGH	QPSK	20.04	19.86	20.13	20.50
	25 (RB_Pos:0)	LOW	QPSK	19.96	19.93	20.09	20.50
	1 (RB_Pos:0)	LOW	16QAM	20.09	20.12	20.15	20.50
	1 (RB_Pos:13)	MIDDLE	16QAM	20.06	19.85	20.08	20.50
	1 (RB_Pos:24)	HIGH	16QAM	20.04	20.02	20.15	20.50
	12 (RB_Pos:0)	LOW	16QAM	19.88	19.93	19.91	20.50
	12 (RB_Pos:6)	MIDDLE	16QAM	20.10	19.93	19.93	20.50
	12 (RB_Pos:13)	HIGH	16QAM	19.88	20.09	20.08	20.50
	25 (RB_Pos:0)	LOW	16QAM	20.00	20.03	19.90	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.89	19.87	20.08	20.50
	1 (RB_Pos:13)	MIDDLE	64QAM	19.97	19.96	20.05	20.50
	1 (RB_Pos:24)	HIGH	64QAM	20.07	19.96	20.00	20.50
	12 (RB_Pos:0)	LOW	64QAM	19.92	19.92	20.11	20.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.10	19.95	19.99	20.50
	12 (RB_Pos:13)	HIGH	64QAM	19.88	20.01	20.02	20.50
	25 (RB_Pos:0)	LOW	64QAM	19.91	19.94	20.03	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40090	40765	41190	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	19.96	19.90	20.08	20.50
	1 (RB_Pos:25)	MIDDLE	QPSK	20.12	20.02	20.07	20.50
	1 (RB_Pos:49)	HIGH	QPSK	20.11	20.11	20.03	20.50
	25 (RB_Pos:0)	LOW	QPSK	20.06	20.00	20.04	20.50
	25 (RB_Pos:12)	MIDDLE	QPSK	19.96	20.05	19.97	20.50
	25 (RB_Pos:25)	HIGH	QPSK	20.01	20.00	19.94	20.50

	50 (RB_Pos:0)	LOW	QPSK	19.85	19.89	19.88	20.50
	1 (RB_Pos:0)	LOW	16QAM	20.05	20.02	20.07	20.50
	1 (RB_Pos:25)	MIDDLE	16QAM	19.94	19.93	19.94	20.50
	1 (RB_Pos:49)	HIGH	16QAM	19.90	19.94	20.15	20.50
	25 (RB_Pos:0)	LOW	16QAM	20.06	19.85	20.11	20.50
	25 (RB_Pos:12)	MIDDLE	16QAM	19.88	19.94	20.14	20.50
	25 (RB_Pos:25)	HIGH	16QAM	20.07	20.02	20.05	20.50
	50 (RB_Pos:0)	LOW	16QAM	20.03	19.96	19.91	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.86	19.85	19.99	20.50
	1 (RB_Pos:25)	MIDDLE	64QAM	19.97	20.00	20.15	20.50
	1 (RB_Pos:49)	HIGH	64QAM	20.09	19.92	20.12	20.50
	25 (RB_Pos:0)	LOW	64QAM	20.10	20.12	19.91	20.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.09	19.96	19.85	20.50
	25 (RB_Pos:25)	HIGH	64QAM	19.89	20.05	20.14	20.50
	50 (RB_Pos:0)	LOW	64QAM	19.94	19.88	20.13	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40115	40765	41165	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	20.03	20.15	20.08	20.50
	1 (RB_Pos:38)	MIDDLE	QPSK	20.13	19.85	19.90	20.50
	1 (RB_Pos:74)	HIGH	QPSK	20.06	20.12	19.92	20.50
	36 (RB_Pos:0)	LOW	QPSK	19.92	19.97	19.91	20.50
	36 (RB_Pos:20)	MIDDLE	QPSK	20.05	20.08	19.85	20.50
	36 (RB_Pos:39)	HIGH	QPSK	19.93	20.09	20.14	20.50
	75 (RB_Pos:0)	LOW	QPSK	19.91	19.97	19.87	20.50
	1 (RB_Pos:0)	LOW	16QAM	19.98	19.94	20.13	20.50
	1 (RB_Pos:38)	MIDDLE	16QAM	20.02	20.02	20.14	20.50
	1 (RB_Pos:74)	HIGH	16QAM	19.87	19.95	19.88	20.50
	36 (RB_Pos:0)	LOW	16QAM	20.07	20.03	20.14	20.50
	36 (RB_Pos:20)	MIDDLE	16QAM	20.13	19.86	19.92	20.50
	36 (RB_Pos:39)	HIGH	16QAM	20.05	19.86	20.01	20.50
	75 (RB_Pos:0)	LOW	16QAM	19.97	19.98	20.01	20.50
	1 (RB_Pos:0)	LOW	64QAM	20.12	20.05	20.02	20.50
	1 (RB_Pos:38)	MIDDLE	64QAM	20.04	20.00	19.90	20.50
	1 (RB_Pos:74)	HIGH	64QAM	20.11	20.13	20.07	20.50
	36 (RB_Pos:0)	LOW	64QAM	20.06	19.89	20.00	20.50
	36 (RB_Pos:20)	MIDDLE	64QAM	19.92	20.07	19.85	20.50
	36 (RB_Pos:39)	HIGH	64QAM	20.12	19.91	19.94	20.50
	75 (RB_Pos:0)	LOW	64QAM	20.04	20.06	19.87	20.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40140	40765	41140	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	20.06	19.99	19.91	20.50
	1 (RB_Pos:50)	MIDDLE	QPSK	19.86	20.08	19.87	20.50
	1 (RB_Pos:99)	HIGH	QPSK	19.86	19.91	19.93	20.50

	50 (RB_Pos:0)	LOW	QPSK	20.05	20.13	19.95	20.50
	50 (RB_Pos:25)	MIDDLE	QPSK	19.98	20.01	19.94	20.50
	50 (RB_Pos:50)	HIGH	QPSK	20.04	19.86	19.93	20.50
	100 (RB_Pos:0)	LOW	QPSK	20.05	20.14	20.01	20.50
	1 (RB_Pos:0)	LOW	16QAM	20.04	19.97	20.09	20.50
	1 (RB_Pos:50)	MIDDLE	16QAM	19.91	19.91	20.12	20.50
	1 (RB_Pos:99)	HIGH	16QAM	19.98	20.02	20.11	20.50
	50 (RB_Pos:0)	LOW	16QAM	19.85	20.00	19.87	20.50
	50 (RB_Pos:25)	MIDDLE	16QAM	20.05	19.89	19.96	20.50
	50 (RB_Pos:50)	HIGH	16QAM	19.97	20.08	19.92	20.50
	100 (RB_Pos:0)	LOW	16QAM	19.86	20.07	19.91	20.50
	1 (RB_Pos:0)	LOW	64QAM	19.90	20.10	19.87	20.50
	1 (RB_Pos:50)	MIDDLE	64QAM	19.85	20.04	20.03	20.50
	1 (RB_Pos:99)	HIGH	64QAM	19.97	20.09	19.90	20.50
	50 (RB_Pos:0)	LOW	64QAM	20.03	19.89	20.05	20.50
	50 (RB_Pos:25)	MIDDLE	64QAM	19.90	19.97	19.87	20.50
	50 (RB_Pos:50)	HIGH	64QAM	20.00	20.00	20.15	20.50
	100 (RB_Pos:0)	LOW	64QAM	20.04	20.15	19.92	20.50

8.6.46 Power Reduced Level 1&2&3-ANT3 of LTE Band 41

TDD LTE Band 41							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40065	40765	41215	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	23.39	23.58	23.53	24.00
	1 (RB_Pos:13)	MIDDLE	QPSK	23.38	23.56	23.54	24.00
	1 (RB_Pos:24)	HIGH	QPSK	23.39	23.56	23.52	24.00
	12 (RB_Pos:0)	LOW	QPSK	22.37	22.54	22.49	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	22.38	22.52	22.47	23.00
	12 (RB_Pos:13)	HIGH	QPSK	22.34	22.53	22.48	23.00
	25 (RB_Pos:0)	LOW	QPSK	22.36	22.53	22.43	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.57	22.85	22.91	23.50
	1 (RB_Pos:13)	MIDDLE	16QAM	22.56	22.85	22.88	23.50
	1 (RB_Pos:24)	HIGH	16QAM	22.57	22.82	22.87	23.50
	12 (RB_Pos:0)	LOW	16QAM	21.39	21.53	21.55	22.50
	12 (RB_Pos:6)	MIDDLE	16QAM	21.43	21.55	21.58	22.50
	12 (RB_Pos:13)	HIGH	16QAM	21.39	21.51	21.58	22.50
	25 (RB_Pos:0)	LOW	16QAM	21.38	21.60	21.46	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.67	21.82	21.82	22.50
	1 (RB_Pos:13)	MIDDLE	64QAM	21.44	21.88	21.99	22.50
	1 (RB_Pos:24)	HIGH	64QAM	21.67	21.83	21.79	22.50
	12 (RB_Pos:0)	LOW	64QAM	20.84	20.96	20.94	21.50
	12 (RB_Pos:6)	MIDDLE	64QAM	20.97	20.96	20.96	21.50
	12 (RB_Pos:13)	HIGH	64QAM	20.94	20.77	20.93	21.50

	25 (RB_Pos:0)	LOW	64QAM	20.81	20.96	20.92	21.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40090	40765	41190	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	23.41	23.61	23.55	24.00
	1 (RB_Pos:25)	MIDDLE	QPSK	23.67	23.83	23.82	24.00
	1 (RB_Pos:49)	HIGH	QPSK	23.36	23.54	23.54	24.00
	25 (RB_Pos:0)	LOW	QPSK	22.37	22.59	22.53	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	22.39	22.57	22.50	23.00
	25 (RB_Pos:25)	HIGH	QPSK	22.42	22.58	22.47	23.00
	50 (RB_Pos:0)	LOW	QPSK	22.36	22.58	22.48	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.62	23.03	22.92	23.50
	1 (RB_Pos:25)	MIDDLE	16QAM	22.87	23.25	23.14	23.50
	1 (RB_Pos:49)	HIGH	16QAM	22.61	22.96	22.85	23.50
	25 (RB_Pos:0)	LOW	16QAM	21.36	21.61	21.60	22.50
	25 (RB_Pos:12)	MIDDLE	16QAM	21.40	21.61	21.58	22.50
	25 (RB_Pos:25)	HIGH	16QAM	21.43	21.60	21.54	22.50
	50 (RB_Pos:0)	LOW	16QAM	21.36	21.61	21.60	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.55	22.12	22.03	22.50
	1 (RB_Pos:25)	MIDDLE	64QAM	21.86	22.30	22.07	22.50
	1 (RB_Pos:49)	HIGH	64QAM	21.61	21.92	21.97	22.50
	25 (RB_Pos:0)	LOW	64QAM	20.73	21.24	21.18	21.50
	25 (RB_Pos:12)	MIDDLE	64QAM	20.94	21.24	21.13	21.50
	25 (RB_Pos:25)	HIGH	64QAM	20.78	21.00	21.15	21.50
	50 (RB_Pos:0)	LOW	64QAM	20.81	21.25	20.95	21.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40115	40765	41165	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	23.36	23.58	23.49	24.00
	1 (RB_Pos:38)	MIDDLE	QPSK	23.39	23.58	23.54	24.00
	1 (RB_Pos:74)	HIGH	QPSK	23.34	23.47	23.46	24.00
	36 (RB_Pos:0)	LOW	QPSK	22.38	22.55	22.54	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	22.43	22.56	22.49	23.00
	36 (RB_Pos:39)	HIGH	QPSK	22.38	22.52	22.47	23.00
	75 (RB_Pos:0)	LOW	QPSK	22.36	22.55	22.49	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.57	23.02	22.80	23.50
	1 (RB_Pos:38)	MIDDLE	16QAM	22.62	23.00	22.82	23.50
	1 (RB_Pos:74)	HIGH	16QAM	22.60	22.90	22.73	23.50
	36 (RB_Pos:0)	LOW	16QAM	21.35	21.51	21.52	22.50
	36 (RB_Pos:20)	MIDDLE	16QAM	21.39	21.50	21.52	22.50
	36 (RB_Pos:39)	HIGH	16QAM	21.34	21.50	21.50	22.50
	75 (RB_Pos:0)	LOW	16QAM	21.37	21.52	21.51	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.62	22.15	21.72	22.50
	1 (RB_Pos:38)	MIDDLE	64QAM	21.61	22.06	21.87	22.50
	1 (RB_Pos:74)	HIGH	64QAM	21.54	21.77	21.76	22.50

	36 (RB_Pos:0)	LOW	64QAM	20.93	20.90	21.10	21.50
	36 (RB_Pos:20)	MIDDLE	64QAM	21.03	21.05	21.15	21.50
	36 (RB_Pos:39)	HIGH	64QAM	20.75	21.02	20.94	21.50
	75 (RB_Pos:0)	LOW	64QAM	20.79	20.89	21.01	21.50
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40140	40765	41140	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	23.33	23.45	23.58	24.00
	1 (RB_Pos:50)	MIDDLE	QPSK	23.68	23.79	23.84	24.00
	1 (RB_Pos:99)	HIGH	QPSK	23.32	23.40	23.49	24.00
	50 (RB_Pos:0)	LOW	QPSK	22.35	22.55	22.58	23.00
	50 (RB_Pos:25)	MIDDLE	QPSK	22.44	22.56	22.56	23.00
	50 (RB_Pos:50)	HIGH	QPSK	22.40	22.57	22.51	23.00
	100 (RB_Pos:0)	LOW	QPSK	22.40	22.55	22.55	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.55	22.66	22.91	23.50
	1 (RB_Pos:50)	MIDDLE	16QAM	22.94	23.02	23.18	23.50
	1 (RB_Pos:99)	HIGH	16QAM	22.56	22.59	22.79	23.50
	50 (RB_Pos:0)	LOW	16QAM	21.33	21.59	21.63	22.50
	50 (RB_Pos:25)	MIDDLE	16QAM	21.43	21.64	21.61	22.50
	50 (RB_Pos:50)	HIGH	16QAM	21.41	21.62	21.57	22.50
	100 (RB_Pos:0)	LOW	16QAM	21.40	21.61	21.58	22.50
	1 (RB_Pos:0)	LOW	64QAM	21.66	21.74	22.01	22.50
	1 (RB_Pos:50)	MIDDLE	64QAM	21.93	22.10	22.27	22.50
	1 (RB_Pos:99)	HIGH	64QAM	21.70	21.70	21.92	22.50
	50 (RB_Pos:0)	LOW	64QAM	20.97	21.15	21.28	21.50
	50 (RB_Pos:25)	MIDDLE	64QAM	20.92	21.29	21.00	21.50
	50 (RB_Pos:50)	HIGH	64QAM	20.88	21.18	21.16	21.50
	100 (RB_Pos:0)	LOW	64QAM	20.90	20.97	20.99	21.50

8.6.47 Power Reduced Level 4&5&6-ANT3 of LTE Band 41

TDD LTE Band 41							
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40065	40765	41215	Tune up limit (dBm)
5 MHz	1 (RB_Pos:0)	LOW	QPSK	22.29	22.52	22.71	23.00
	1 (RB_Pos:13)	MIDDLE	QPSK	22.53	22.86	22.90	23.00
	1 (RB_Pos:24)	HIGH	QPSK	22.31	22.34	22.60	23.00
	12 (RB_Pos:0)	LOW	QPSK	22.63	22.55	22.53	23.00
	12 (RB_Pos:6)	MIDDLE	QPSK	22.59	22.44	22.60	23.00
	12 (RB_Pos:13)	HIGH	QPSK	22.43	22.35	22.44	23.00
	25 (RB_Pos:0)	LOW	QPSK	22.36	22.57	22.56	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.59	22.61	22.35	23.00
	1 (RB_Pos:13)	MIDDLE	16QAM	22.52	22.51	22.37	23.00
	1 (RB_Pos:24)	HIGH	16QAM	22.61	22.65	22.38	23.00

	12 (RB_Pos:0)	LOW	16QAM	21.38	21.55	21.41	22.00
	12 (RB_Pos:6)	MIDDLE	16QAM	21.35	21.61	21.63	22.00
	12 (RB_Pos:13)	HIGH	16QAM	21.41	21.42	21.55	22.00
	25 (RB_Pos:0)	LOW	16QAM	21.58	21.53	21.64	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.39	21.48	21.65	22.00
	1 (RB_Pos:13)	MIDDLE	64QAM	21.36	21.56	21.60	22.00
	1 (RB_Pos:24)	HIGH	64QAM	21.64	21.52	21.56	22.00
	12 (RB_Pos:0)	LOW	64QAM	20.54	20.50	20.35	21.00
	12 (RB_Pos:6)	MIDDLE	64QAM	20.38	20.45	20.55	21.00
	12 (RB_Pos:13)	HIGH	64QAM	20.35	20.35	20.38	21.00
	25 (RB_Pos:0)	LOW	64QAM	20.35	20.57	20.48	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40090	40765	41190	Tune up limit (dBm)
10 MHz	1 (RB_Pos:0)	LOW	QPSK	22.18	22.49	22.83	23.00
	1 (RB_Pos:25)	MIDDLE	QPSK	22.50	22.92	22.91	23.00
	1 (RB_Pos:49)	HIGH	QPSK	22.17	22.25	22.51	23.00
	25 (RB_Pos:0)	LOW	QPSK	22.52	22.60	22.56	23.00
	25 (RB_Pos:12)	MIDDLE	QPSK	22.52	22.29	22.54	23.00
	25 (RB_Pos:25)	HIGH	QPSK	22.38	22.30	22.34	23.00
	50 (RB_Pos:0)	LOW	QPSK	22.31	22.61	22.64	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.67	22.53	22.45	23.00
	1 (RB_Pos:25)	MIDDLE	16QAM	22.47	22.45	22.29	23.00
	1 (RB_Pos:49)	HIGH	16QAM	22.52	22.76	22.48	23.00
	25 (RB_Pos:0)	LOW	16QAM	21.38	21.47	21.38	22.00
	25 (RB_Pos:12)	MIDDLE	16QAM	21.21	21.68	21.67	22.00
	25 (RB_Pos:25)	HIGH	16QAM	21.54	21.27	21.53	22.00
	50 (RB_Pos:0)	LOW	16QAM	21.49	21.43	21.74	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.45	21.33	21.68	22.00
	1 (RB_Pos:25)	MIDDLE	64QAM	21.34	21.53	21.54	22.00
	1 (RB_Pos:49)	HIGH	64QAM	21.62	21.43	21.70	22.00
	25 (RB_Pos:0)	LOW	64QAM	20.56	20.39	20.24	21.00
	25 (RB_Pos:12)	MIDDLE	64QAM	20.39	20.34	20.55	21.00
	25 (RB_Pos:25)	HIGH	64QAM	20.33	20.31	20.47	21.00
	50 (RB_Pos:0)	LOW	64QAM	20.45	20.67	20.40	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40115	40765	41165	Tune up limit (dBm)
15 MHz	1 (RB_Pos:0)	LOW	QPSK	22.26	22.41	22.70	23.00
	1 (RB_Pos:38)	MIDDLE	QPSK	22.61	22.71	22.77	23.00
	1 (RB_Pos:74)	HIGH	QPSK	22.23	22.32	22.64	23.00
	36 (RB_Pos:0)	LOW	QPSK	22.57	22.51	22.67	23.00
	36 (RB_Pos:20)	MIDDLE	QPSK	22.64	22.49	22.75	23.00
	36 (RB_Pos:39)	HIGH	QPSK	22.31	22.49	22.51	23.00
	75 (RB_Pos:0)	LOW	QPSK	22.24	22.67	22.57	23.00

	1 (RB_Pos:0)	LOW	16QAM	22.46	22.71	22.42	23.00
	1 (RB_Pos:38)	MIDDLE	16QAM	22.43	22.66	22.52	23.00
	1 (RB_Pos:74)	HIGH	16QAM	22.74	22.66	22.33	23.00
	36 (RB_Pos:0)	LOW	16QAM	21.48	21.64	21.52	22.00
	36 (RB_Pos:20)	MIDDLE	16QAM	21.35	21.67	21.69	22.00
	36 (RB_Pos:39)	HIGH	16QAM	21.31	21.31	21.44	22.00
	75 (RB_Pos:0)	LOW	16QAM	21.71	21.46	21.70	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.53	21.35	21.55	22.00
	1 (RB_Pos:38)	MIDDLE	64QAM	21.39	21.42	21.55	22.00
	1 (RB_Pos:74)	HIGH	64QAM	21.50	21.59	21.62	22.00
	36 (RB_Pos:0)	LOW	64QAM	20.65	20.62	20.28	21.00
	36 (RB_Pos:20)	MIDDLE	64QAM	20.40	20.44	20.67	21.00
	36 (RB_Pos:39)	HIGH	64QAM	20.23	20.29	20.38	21.00
	75 (RB_Pos:0)	LOW	64QAM	20.37	20.57	20.63	21.00
Bandwidth (MHz)	RB Set	RB offset	Modulation	Power (dBm)			
	Channel			40140	40765	41140	Tune up limit (dBm)
20 MHz	1 (RB_Pos:0)	LOW	QPSK	22.37	22.66	22.82	23.00
	1 (RB_Pos:50)	MIDDLE	QPSK	22.67	22.79	22.81	23.00
	1 (RB_Pos:99)	HIGH	QPSK	22.36	22.21	22.57	23.00
	50 (RB_Pos:0)	LOW	QPSK	22.67	22.59	22.41	23.00
	50 (RB_Pos:25)	MIDDLE	QPSK	22.70	22.30	22.67	23.00
	50 (RB_Pos:50)	HIGH	QPSK	22.50	22.38	22.38	23.00
	100 (RB_Pos:0)	LOW	QPSK	22.40	22.55	22.68	23.00
	1 (RB_Pos:0)	LOW	16QAM	22.64	22.49	22.27	23.00
	1 (RB_Pos:50)	MIDDLE	16QAM	22.50	22.48	22.40	23.00
	1 (RB_Pos:99)	HIGH	16QAM	22.68	22.50	22.38	23.00
	50 (RB_Pos:0)	LOW	16QAM	21.42	21.50	21.53	22.00
	50 (RB_Pos:25)	MIDDLE	16QAM	21.45	21.58	21.60	22.00
	50 (RB_Pos:50)	HIGH	16QAM	21.26	21.41	21.59	22.00
	100 (RB_Pos:0)	LOW	16QAM	21.71	21.46	21.50	22.00
	1 (RB_Pos:0)	LOW	64QAM	21.35	21.49	21.58	22.00
	1 (RB_Pos:50)	MIDDLE	64QAM	21.32	21.58	21.66	22.00
	1 (RB_Pos:99)	HIGH	64QAM	21.64	21.48	21.68	22.00
	50 (RB_Pos:0)	LOW	64QAM	20.41	20.36	20.50	21.00
	50 (RB_Pos:25)	MIDDLE	64QAM	20.42	20.55	20.59	21.00
	50 (RB_Pos:50)	HIGH	64QAM	20.31	20.43	20.36	21.00
	100 (RB_Pos:0)	LOW	64QAM	20.40	20.49	20.56	21.00

8.6.48 Power Reduced Level 1 of 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test
2.4 (2.4~2.4835)	802.11b	1	2412	12.56	14.00	No
		6	2437	12.66	14.00	Yes
		11	2462	12.64	14.00	No
	802.11g	1	2412	13.91	15.00	No
		6	2437	13.75	15.00	No
		11	2462	13.76	15.00	No
	802.11n(HT20)	1	2412	13.94	15.00	No
		6	2437	13.68	15.00	No
		11	2462	13.74	15.00	No
	802.11n(HT40)	3	2422	13.77	15.00	No
		6	2437	13.76	15.00	No
		9	2452	13.73	15.00	No

Note1: This power table only apply for Head RF exposure condition.

Note2: According KDB 248227 section 5.2.2, the 802.11 b mode adjusted SAR is $0.627 * (31.62\text{mW}) / (25.12\text{mW}) = 0.789$ W/kg < 1.2 W/kg, so 2.4 GHz 802.11g/n OFDM SAR test is not required.

8.6.49 Power Reduced Level 2 of 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test
2.4 (2.4~2.4835)	802.11b	1	2412	12.56	14.00	No
		6	2437	12.66	14.00	Yes
		11	2462	12.64	14.00	No
	802.11g	1	2412	13.91	15.00	No
		6	2437	13.75	15.00	No
		11	2462	13.76	15.00	No
	802.11n(HT20)	1	2412	13.94	15.00	No
		6	2437	13.68	15.00	No
		11	2462	13.74	15.00	No
	802.11n(HT40)	3	2422	13.77	15.00	No
		6	2437	13.76	15.00	No
		9	2452	13.73	15.00	No

Note1: This power table only apply for Head RF exposure condition.

Note2: According KDB 248227 section 5.2.2, the 802.11 b mode adjusted SAR is $0.627 * (31.62\text{mW}) / (25.12\text{mW}) = 0.789$ W/kg < 1.2 W/kg, so 2.4 GHz 802.11g/n OFDM SAR test is not required.

8.6.50 Power Reduced Level 3 of 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test
2.4 (2.4~2.4835)	802.11b	1	2412	12.56	14.00	No
		6	2437	12.66	14.00	Yes
		11	2462	12.64	14.00	No
	802.11g	1	2412	15.79	17.00	No
		6	2437	17.72	19.00	No
		11	2462	16.03	17.00	No
	802.11n(HT20)	1	2412	14.85	16.00	No
		6	2437	17.66	19.00	No
		11	2462	15.30	16.00	No
	802.11n(HT40)	3	2422	13.77	15.00	No
		6	2437	17.81	19.00	No
		9	2452	14.21	15.00	No

Note1: This power table only apply for body-worn RF exposure condition.

Note2: According KDB 248227 section 5.2.2, the 802.11 b mode adjusted SAR is $0.025 * (79.43\text{mW}) / (25.12\text{mW}) = 0.079 \text{ W/kg} < 1.2 \text{ W/kg}$, so 2.4 GHz 802.11g/n OFDM SAR test is not required.

8.6.51 Power Reduced Level 4 of 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test
2.4 (2.4~2.4835)	802.11b	1	2412	12.56	14.00	No
		6	2437	12.66	14.00	Yes
		11	2462	12.64	14.00	No
	802.11g	1	2412	14.73	16.00	No
		6	2437	14.66	16.00	No
		11	2462	14.74	16.00	No
	802.11n(HT20)	1	2412	14.85	16.00	No
		6	2437	14.67	16.00	No
		11	2462	14.80	16.00	No
	802.11n(HT40)	3	2422	13.77	15.00	No
		6	2437	14.73	16.00	No
		9	2452	14.21	15.00	No

Note1: This power table only apply for Hotspot RF exposure condition.

Note2: According KDB 248227 section 5.2.2, the 802.11 b mode adjusted SAR is $0.110 * (39.81\text{mW}) / (25.12\text{mW}) = 0.174\text{W/kg} < 1.2 \text{ W/kg}$, so 2.4 GHz 802.11g/n OFDM SAR test is not required.

8.6.52 Power Reduced Level 1 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test
5.2 (5.15~5.25)	802.11a	36	5180	10.88	12.00	No
		40	5200	10.69	12.00	No
		48	5240	10.72	12.00	No
	802.11n(HT20)	36	5180	10.86	12.00	No
		44	5220	10.87	12.00	No
		48	5240	10.82	12.00	No
	802.11n(HT40)	38	5190	9.88	11.00	No
		46	5230	9.79	11.00	No
	802.11ac(VHT20)	36	5180	10.73	12.00	No
		40	5200	10.85	12.00	No
		48	5240	10.75	12.00	No
	802.11ac(VHT40)	38	5190	9.78	11.00	No
		46	5230	9.65	11.00	No
	802.11ac(VHT80)	42	5210	9.78	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	10.77	12.00	Yes
		60	5300	10.90	12.00	Yes
		64	5320	10.73	12.00	Yes
	802.11n(HT20)	52	5260	10.90	12.00	No
		60	5300	10.84	12.00	No
		64	5320	10.70	12.00	No
	802.11n(HT40)	54	5270	9.75	11.00	No
		62	5310	9.84	11.00	No
	802.11ac(VHT20)	52	5260	10.70	12.00	No
		60	5300	10.65	12.00	No
		64	5320	10.85	12.00	No
	802.11ac(VHT40)	54	5270	9.92	11.00	No
		62	5310	9.89	11.00	No
	802.11ac(VHT80)	58	5290	9.70	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	10.89	12.00	Yes
		116	5580	10.73	12.00	No
		140	5700	10.72	12.00	No
	802.11n(HT20)	100	5500	10.92	12.00	No
		116	5580	10.79	12.00	No
		140	5700	10.73	12.00	No
	802.11n(HT40)	102	5510	9.67	11.00	No
		118	5590	9.87	11.00	No
		134	5670	9.82	11.00	No
	802.11ac(VHT20)	100	5500	10.67	12.00	No
		116	5580	10.72	12.00	No

	802.11ac(VHT40)	140	5700	10.91	12.00	No
		102	5510	9.86	11.00	No
		118	5590	9.92	11.00	No
	802.11ac(VHT80)	134	5670	9.67	11.00	No
		106	5530	9.83	11.00	No
		122	5610	9.68	11.00	No
5.8 (5.725~5.850)	802.11a	149	5745	9.29	10.50	No
		157	5785	9.43	10.50	No
		165	5825	9.36	10.50	No
	802.11n(HT20)	149	5745	9.39	10.50	No
		157	5785	9.35	10.50	No
		165	5825	9.17	10.50	No
	802.11n(HT40)	151	5755	9.42	10.50	No
		159	5795	9.30	10.50	No
	802.11ac(VHT20)	149	5745	9.32	10.50	No
		157	5785	9.27	10.50	No
		165	5825	9.22	10.50	No
	802.11ac(VHT40)	151	5755	9.35	10.50	No
		159	5795	9.32	10.50	No
	802.11ac(VHT80)	155	5775	9.38	10.50	Yes

8.6.53 Power Reduced Level 2 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test
5.2 (5.15~5.25)	802.11a	36	5180	7.40	8.50	No
		40	5200	7.29	8.50	No
		48	5240	7.17	8.50	No
	802.11n(HT20)	36	5180	7.42	8.50	No
		44	5220	7.38	8.50	No
		48	5240	7.41	8.50	No
	802.11n(HT40)	38	5190	6.94	8.00	No
		46	5230	6.93	8.00	No
	802.11ac(VHT20)	36	5180	7.20	8.50	No
		40	5200	7.17	8.50	No
		48	5240	7.44	8.50	No
	802.11ac(VHT40)	38	5190	6.85	8.00	No
		46	5230	6.84	8.00	No
	802.11ac(VHT80)	42	5210	6.79	8.00	No
5.3 (5.25~5.35)	802.11a	52	5260	7.15	8.50	No
		60	5300	7.30	8.50	Yes
		64	5320	7.22	8.50	No
	802.11n(HT20)	52	5260	7.26	8.50	No

		60	5300	7.37	8.50	No
		64	5320	7.27	8.50	No
	802.11n(HT40)	54	5270	6.93	8.00	No
		62	5310	6.68	8.00	No
	802.11ac(VHT20)	52	5260	7.40	8.50	No
		60	5300	7.37	8.50	No
		64	5320	7.39	8.50	No
	802.11ac(VHT40)	54	5270	6.95	8.00	No
		62	5310	6.73	8.00	No
	802.11ac(VHT80)	58	5290	6.91	8.00	No
5.6 (5.47~5.725)	802.11a	100	5500	7.45	8.50	Yes
		116	5580	7.38	8.50	No
		140	5700	7.38	8.50	No
	802.11n(HT20)	100	5500	7.19	8.50	No
		116	5580	7.25	8.50	No
		140	5700	7.26	8.50	No
	802.11n(HT40)	102	5510	6.76	8.00	No
		118	5590	6.69	8.00	No
		134	5670	6.89	8.00	No
	802.11ac(VHT20)	100	5500	7.40	8.50	No
		116	5580	7.16	8.50	No
		140	5700	7.43	8.50	No
	802.11ac(VHT40)	102	5510	6.76	8.00	No
		118	5590	6.87	8.00	No
		134	5670	6.77	8.00	No
	802.11ac(VHT80)	106	5530	6.86	8.00	No
		122	5610	6.79	8.00	No
5.8 (5.725~5.850)	802.11a	149	5745	7.65	9.00	No
		157	5785	7.77	9.00	No
		165	5825	7.66	9.00	No
	802.11n(HT20)	149	5745	7.69	9.00	No
		157	5785	7.72	9.00	No
		165	5825	7.80	9.00	No
	802.11n(HT40)	151	5755	7.68	9.00	No
		159	5795	7.78	9.00	No
	802.11ac(VHT20)	149	5745	7.80	9.00	No
		157	5785	7.86	9.00	No
		165	5825	7.71	9.00	No
	802.11ac(VHT40)	151	5755	7.69	9.00	No
		159	5795	7.79	9.00	No
	802.11ac(VHT80)	155	5775	7.91	9.00	Yes

8.6.54 Power Reduced Level 3 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test
5.2 (5.15~5.25)	802.11a	36	5180	16.04	17.00	No
		40	5200	18.68	20.00	No
		48	5240	18.76	20.00	No
	802.11n(HT20)	36	5180	15.92	17.00	No
		44	5220	18.48	20.00	No
		48	5240	18.61	20.00	No
	802.11n(HT40)	38	5190	13.17	14.00	No
		46	5230	17.32	19.00	No
	802.11ac(VHT20)	36	5180	16.34	17.00	No
		40	5200	18.57	20.00	No
		48	5240	18.62	20.00	No
	802.11ac(VHT40)	38	5190	15.85	17.00	No
		46	5230	17.27	19.00	No
	802.11ac(VHT80)	42	5210	14.06	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	18.71	20.00	No
		60	5300	18.78	20.00	Yes
		64	5320	15.65	16.00	No
	802.11n(HT20)	52	5260	18.58	20.00	No
		60	5300	18.64	20.00	No
		64	5320	14.98	16.00	No
	802.11n(HT40)	54	5270	17.32	19.00	No
		62	5310	12.23	13.00	No
	802.11ac(VHT20)	52	5260	18.54	20.00	No
		60	5300	18.56	20.00	No
		64	5320	15.43	16.00	No
	802.11ac(VHT40)	54	5270	17.30	19.00	No
		62	5310	14.26	15.00	No
	802.11ac(VHT80)	58	5290	13.54	14.00	No
5.6 (5.47~5.725)	802.11a	100	5500	15.31	16.00	No
		116	5580	18.60	20.00	Yes
		140	5700	15.76	16.00	No
	802.11n(HT20)	100	5500	14.61	15.00	No
		116	5580	18.47	20.00	No
		140	5700	15.69	16.00	No
	802.11n(HT40)	102	5510	12.55	13.00	No
		118	5590	17.25	19.00	No
		134	5670	17.27	19.00	No
	802.11ac(VHT20)	100	5500	15.23	16.00	No
		116	5580	18.40	20.00	No

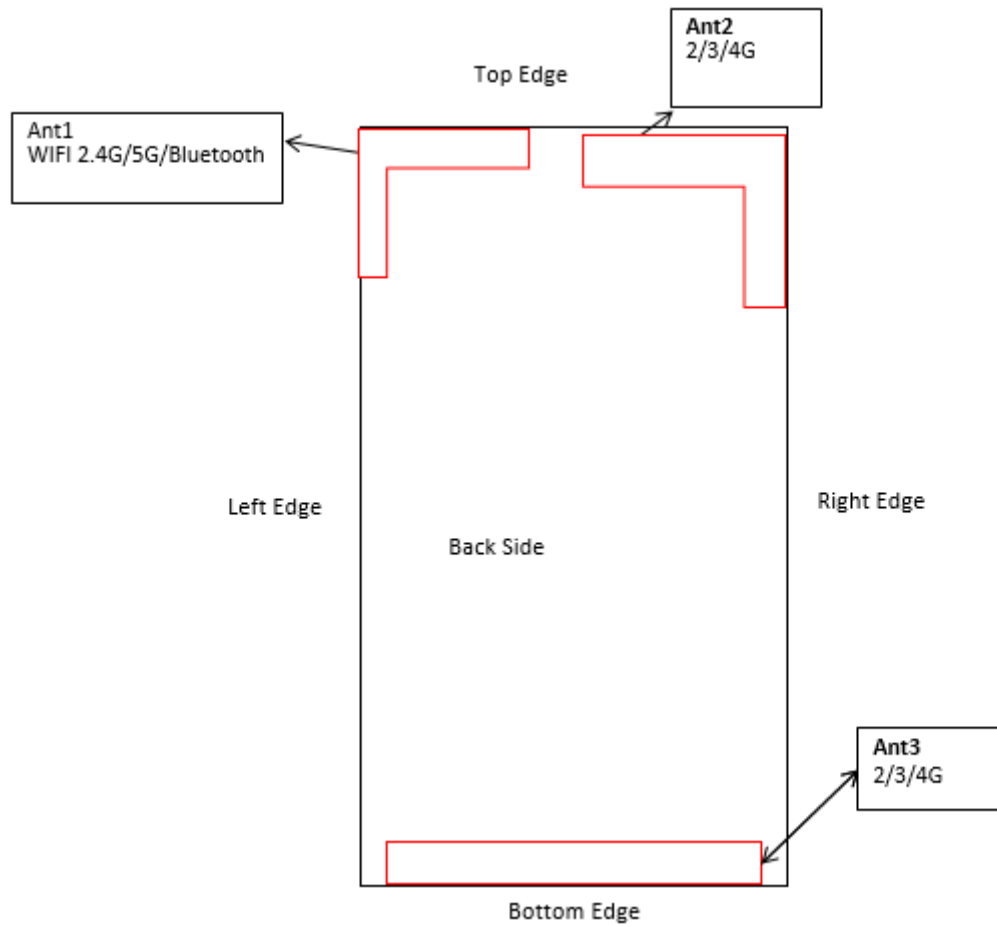
	802.11ac(VHT40)	140	5700	15.12	16.00	No
		102	5510	13.01	14.00	No
		118	5590	17.27	19.00	No
	802.11ac(VHT80)	134	5670	17.16	19.00	No
		106	5530	12.17	13.00	No
		122	5610	17.02	19.00	No
5.8 (5.725~5.850)	802.11a	149	5745	14.79	16.00	No
		157	5785	14.72	16.00	No
		165	5825	14.66	16.00	No
	802.11n(HT20)	149	5745	14.94	16.00	No
		157	5785	14.78	16.00	No
		165	5825	14.94	16.00	No
	802.11n(HT40)	151	5755	14.92	16.00	No
		159	5795	14.77	16.00	No
	802.11ac(VHT20)	149	5745	14.78	16.00	No
		157	5785	14.69	16.00	No
		165	5825	14.84	16.00	No
	802.11ac(VHT40)	151	5755	14.93	16.00	No
		159	5795	14.78	16.00	No
	802.11ac(VHT80)	155	5775	14.84	16.00	Yes

8.6.55 Power Reduced Level 4 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test
5.2 (5.15~5.25)	802.11a	36	5180	10.88	12.00	No
		40	5200	10.69	12.00	No
		48	5240	10.72	12.00	Yes
	802.11n(HT20)	36	5180	10.86	12.00	No
		44	5220	10.87	12.00	No
		48	5240	10.82	12.00	No
	802.11n(HT40)	38	5190	9.88	11.00	No
		46	5230	9.79	11.00	No
	802.11ac(VHT20)	36	5180	10.73	12.00	No
		40	5200	10.85	12.00	No
		48	5240	10.75	12.00	No
	802.11ac(VHT40)	38	5190	9.78	11.00	No
		46	5230	9.65	11.00	No
	802.11ac(VHT80)	42	5210	9.78	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	10.77	12.00	No
		60	5300	10.90	12.00	No
		64	5320	10.73	12.00	No
	802.11n(HT20)	52	5260	10.90	12.00	No

		60	5300	10.84	12.00	No
		64	5320	10.70	12.00	No
	802.11n(HT40)	54	5270	9.75	11.00	No
		62	5310	9.84	11.00	No
	802.11ac(VHT20)	52	5260	10.70	12.00	No
		60	5300	10.65	12.00	No
		64	5320	10.85	12.00	No
	802.11ac(VHT40)	54	5270	9.92	11.00	No
		62	5310	9.89	11.00	No
	802.11ac(VHT80)	58	5290	9.70	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	10.89	12.00	No
		116	5580	10.73	12.00	No
		140	5700	10.72	12.00	No
	802.11n(HT20)	100	5500	10.92	12.00	No
		116	5580	10.79	12.00	No
		140	5700	10.73	12.00	No
	802.11n(HT40)	102	5510	9.67	11.00	No
		118	5590	9.87	11.00	No
		134	5670	9.82	11.00	No
	802.11ac(VHT20)	100	5500	10.67	12.00	No
		116	5580	10.72	12.00	No
		140	5700	10.91	12.00	No
	802.11ac(VHT40)	102	5510	9.86	11.00	No
		118	5590	9.92	11.00	No
		134	5670	9.67	11.00	No
	802.11ac(VHT80)	106	5530	9.83	11.00	No
		122	5610	9.68	11.00	No
5.8 (5.725~5.850)	802.11a	149	5745	9.89	11.00	No
		157	5785	9.77	11.00	No
		165	5825	9.89	11.00	No
	802.11n(HT20)	149	5745	9.74	11.00	No
		157	5785	9.70	11.00	No
		165	5825	9.85	11.00	No
	802.11n(HT40)	151	5755	9.87	11.00	No
		159	5795	9.87	11.00	No
	802.11ac(VHT20)	149	5745	9.79	11.00	No
		157	5785	9.72	11.00	No
		165	5825	9.93	11.00	No
	802.11ac(VHT40)	151	5755	9.87	11.00	No
		159	5795	9.81	11.00	No
	802.11ac(VHT80)	155	5775	9.76	11.00	Yes

9 TEST EXCLUSION CONSIDERATION



Antenna	Support Bands
ANT1	WIFI 2.4G/5G/Bluetooth
ANT2	GSM850/1900
	WCDMA B2/4/5
	LTE B2/4/5/7/12/26/66/38/41
ANT3	GSM850/1900
	WCDMA B2/4/5
	LTE B2/4/5/7/12/26/66/38/41

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
ANT1	<5	<5	<5	55.8	<5	130.7
ANT2	<5	<5	22.4	<5	<5	115.9
ANT3	<5	<5	<5	<5	145.6	<5

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 :

ANT1

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	55.8mm	<5mm	130.7mm
	802.11b	14.00	25.12	Yes	Yes	Yes	No	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
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	55.8mm	<5mm	130.7mm
	802.11a	20.00	100.00	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	20.00	100.00	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT20)	20.00	100.00	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	15.00	31.62	No	No	No	No	No	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	55.8mm	<5mm	130.7mm
	802.11a	20.00	100.00	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	20.00	100.00	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT20)	20.00	100.00	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	16.00	39.81	No	No	No	No	No	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	55.8mm	<5mm	130.7mm
	802.11a	20.00	100.00	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	20.00	100.00	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT20)	20.00	100.00	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	19.00	79.43	No	No	No	No	No	No
WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	55.8mm	<5mm	130.7mm
	802.11a	20.00	100.00	No	No	No	No	No	No
	802.11n(HT20)	20.00	100.00	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT20)	20.00	100.00	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
Bluetooth	Distance to User			<5mm	<5mm	<5mm	55.8mm	<5mm	130.7mm
	BR/EDR	13.00	19.95	Yes	Yes	Yes	Yes	Yes	No
	BLE	8.00	6.31	No	No	No	No	No	No

ANT2

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	22.4mm	<5mm	<5mm	115.9mm
	Voice	33.80	2398.83	Yes	Yes	No	Yes	Yes	No
	Data	33.80	2398.83	Yes	Yes	No	Yes	Yes	No
GSM 1900	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	Voice	31.00	1258.93	Yes	Yes	No	Yes	Yes	No
	Data	31.00	1258.93	Yes	Yes	No	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	RMC	23.50	223.87	Yes	Yes	No	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	RMC	23.50	223.87	Yes	Yes	No	Yes	Yes	No
WCDMA Band 5	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	RMC	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 2	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 5	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	QPSK	24.30	269.15	Yes	Yes	No	Yes	Yes	No
LTE Band 12	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	QPSK	24.80	302.00	Yes	Yes	No	Yes	Yes	No
LTE Band 26	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 66	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	22.4mm	<5mm	<5mm	115.9mm
	QPSK	23.30	213.80	Yes	Yes	No	Yes	Yes	No

ANT3

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	145.6mm	<5mm
	Voice	33.80	2398.83	Yes	Yes	Yes	Yes	No	Yes
	Data	33.80	2398.83	Yes	Yes	Yes	Yes	No	Yes
GSM 1900	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	Voice	31.00	1258.93	Yes	Yes	Yes	Yes	No	Yes
	Data	31.00	1258.93	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	RMC	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	RMC	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	QPSK	24.30	269.15	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 66	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 41	Distance to User			<5mm	<5mm	<5mm	<5mm	145.6mm	<5mm
	QPSK	23.30	213.80	Yes	Yes	Yes	Yes	No	Yes

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:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$
 - a. $f(\text{GHz})$ 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 $[3.0] / [\sqrt{f(\text{GHz})}] \cdot [\text{min. test separation distance, mm}] = \text{exclusion threshold of mW}$.
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. $[\text{Threshold at 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)] \text{ mW}$, at 100 MHz to 1500 MHz
 - b. $[\text{Threshold at 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot 10] \text{ mW}$ 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 $\leq 1.2 \text{ W/kg}$, 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 $\leq 1.2 \text{ W/kg}$.
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 $\leq 1.2 \text{ W/kg}$, 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 $\leq 1.2 \text{ W/kg}$, 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

Antenn a	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													
ANT2	Level1&2&3	GPRS (2slots)	Left Cheek	0	190	836.6	-0.03	0.157	28.32	28.80	1.117	0.175	/
	Level1&2&3		Left Tilt	0	190	836.6	-0.02	0.156	28.32	28.80	1.117	0.174	/
	Level1&2&3		Right Cheek	0	190	836.6	-0.03	0.168	28.32	28.80	1.117	0.188	1#
	Level1&2&3		Right Tilt	0	190	836.6	0.19	0.154	28.32	28.80	1.117	0.172	/
ANT3	Level1&2&3	GPRS (4slots)	Left Cheek	0	190	836.6	-0.02	0.116	28.27	29.80	1.422	0.165	/
	Level1&2&3		Left Tilt	0	190	836.6	0.07	0.103	28.27	29.80	1.422	0.146	/
	Level1&2&3		Right Cheek	0	190	836.6	-0.15	0.125	28.27	29.80	1.422	0.178	/
	Level1&2&3		Right Tilt	0	190	836.6	-0.16	0.108	28.27	29.80	1.422	0.154	/
Body-worn Accessory													
ANT2	Level4	Voice	Front Side	15	190	836.6	0.07	0.034	33.02	33.80	1.197	0.041	/
	Level4		Back Side	15	190	836.6	0.14	0.045	33.02	33.80	1.197	0.054	/
	Level4	GPRS (4slots)	Front Side	15	190	836.6	0.09	0.050	28.27	29.80	1.422	0.071	/
	Level4		Back Side	15	190	836.6	0.05	0.056	28.27	29.80	1.422	0.080	/
ANT3	Level4	Voice	Front Side	15	190	836.6	-0.11	0.123	31.90	32.80	1.230	0.151	/
	Level4		Back Side	15	190	836.6	0.19	0.157	28.88	29.80	1.237	0.194	/
	Level4	GPRS (2slots)	Front Side	15	190	836.6	0.08	0.118	28.88	29.80	1.237	0.146	/
	Level4		Back Side	15	190	836.6	-0.16	0.169	31.90	32.80	1.230	0.208	2#
Hotspot													
ANT2	Level5&6	Voice	Front Side	10	190	836.6	0.12	0.056	33.02	33.80	1.197	0.067	/
	Level5&6		Back Side	10	190	836.6	-0.15	0.081	33.02	33.80	1.197	0.097	/
	Level5&6	GPRS (4slots)	Front Side	10	190	836.6	0.18	0.081	28.27	29.80	1.422	0.115	/
	Level5&6		Back Side	10	190	836.6	0.01	0.116	28.27	29.80	1.422	0.165	/
	Level5&6		Right Edge	10	190	836.6	-0.01	0.047	28.27	29.80	1.422	0.067	/
	Level5&6		Top Edge	10	190	836.6	0.09	0.104	28.27	29.80	1.422	0.148	/
ANT3	Level5&6	Voice	Front Side	10	190	836.6	0.13	0.155	31.90	32.80	1.230	0.191	/
	Level5&6		Back Side	10	190	836.6	0.02	0.204	28.88	29.80	1.237	0.252	/
	Level5&6	GPRS (2slots)	Front Side	10	190	836.6	-0.15	0.147	28.88	29.80	1.237	0.182	/
	Level5&6		Back Side	10	190	836.6	-0.18	0.223	31.90	32.80	1.230	0.274	3#
	Level5&6		Left Edge	10	190	836.6	0.00	0.102	28.88	29.80	1.237	0.126	/
	Level5&6		Right Edge	10	190	836.6	-0.05	0.153	28.88	29.80	1.237	0.189	/
	Level5&6		Bottom Edge	10	190	836.6	0.16	0.141	28.88	29.80	1.237	0.174	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.2GSM 1900

Antenn a	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													
ANT2	Level1&2&3	GPRS (2slots)	Left Cheek	0	661	1880.0	-0.04	0.556	23.63	24.50	1.222	0.679	/
	Level1&2&3		Left Tilt	0	661	1880.0	0.11	0.664	23.63	24.50	1.222	0.811	/
	Level1&2&3			0	512	1850.2	0.06	0.642	23.50	24.50	1.259	0.808	/
	Level1&2&3			0	810	1909.8	-0.08	0.628	23.46	24.50	1.271	0.798	/
	Level1&2&3		Right Cheek	0	661	1880.0	-0.19	0.889	23.63	24.50	1.222	1.086	/
	Level1&2&3			0	512	1850.2	0.17	0.871	23.50	24.50	1.259	1.097	/
	Level1&2&3			0	810	1909.8	0.15	0.862	23.46	24.50	1.271	1.095	/
	Level1&2&3		Right Tilt	0	661	1880.0	-0.05	0.903	23.63	24.50	1.222	1.103	4#
	Level1&2&3			0	512	1850.2	0.02	0.865	23.50	24.50	1.259	1.089	/
	Level1&2&3			0	810	1909.8	0.02	0.858	23.46	24.50	1.271	1.090	/
ANT3	Level1&2&3	GPRS (2slots)	Left Cheek	0	810	1909.8	0.14	0.080	28.30	29.00	1.175	0.094	/
	Level1&2&3		Left Tilt	0	810	1909.8	0.18	0.043	28.30	29.00	1.175	0.051	/
	Level1&2&3		Right Cheek	0	810	1909.8	-0.09	0.054	28.30	29.00	1.175	0.063	/
	Level1&2&3		Right Tilt	0	810	1909.8	0.17	0.046	28.30	29.00	1.175	0.054	/
Body-worn Accessory													
ANT2	Level4	Voice	Front Side	15	661	1880.0	0.11	0.181	28.67	29.00	1.079	0.195	/
	Level4		Back Side	15	661	1880.0	0.10	0.244	28.67	29.00	1.079	0.263	/
	Level4	GPRS (2slots)	Front Side	15	661	1880.0	0.01	0.168	25.71	26.00	1.070	0.180	/
	Level4		Back Side	15	661	1880.0	-0.11	0.393	25.71	26.00	1.070	0.421	5#
ANT3	Level4	Voice	Front Side	15	661	1880.0	-0.12	0.095	28.32	29.00	1.169	0.111	/
	Level4		Back Side	15	661	1880.0	-0.07	0.140	28.32	29.00	1.169	0.164	/
	Level4	GPRS (2slots)	Front Side	15	810	1909.8	-0.12	0.088	25.36	26.00	1.159	0.102	/
	Level4		Back Side	15	810	1909.8	-0.11	0.134	25.36	26.00	1.159	0.155	/
Hotspot													
ANT2	Level5&6	Voice	Front Side	10	661	1880.0	-0.14	0.321	28.67	29.00	1.079	0.346	/
	Level5&6		Back Side	10	661	1880.0	-0.15	0.463	28.67	29.00	1.079	0.500	/
	Level5&6	GPRS (2slots)	Front Side	10	661	1880.0	-0.19	0.316	25.71	26.00	1.070	0.338	/
	Level5&6		Back Side	10	661	1880.0	0.07	0.448	25.71	26.00	1.070	0.479	/
	Level5&6		Right Edge	10	661	1880.0	0.16	0.072	25.71	26.00	1.070	0.077	/
	Level5&6		Top Edge	10	661	1880.0	0.18	0.721	25.71	26.00	1.070	0.772	6#
ANT3	Level5&6	Voice	Front Side	10	661	1880.0	-0.07	0.165	28.32	29.00	1.169	0.193	/
	Level5&6		Back Side	10	661	1880.0	-0.03	0.246	28.32	29.00	1.169	0.288	/
	Level5&6	GPRS (2slots)	Front Side	10	810	1909.8	0.05	0.141	25.36	26.00	1.159	0.163	/
	Level5&6		Back Side	10	810	1909.8	-0.16	0.234	25.36	26.00	1.159	0.271	/
	Level5&6		Left Edge	10	810	1909.8	-0.16	0.056	25.36	26.00	1.159	0.065	/
	Level5&6		Right Edge	10	810	1909.8	-0.02	0.008	25.36	26.00	1.159	0.009	/
	Level5&6		Bottom Edge	10	810	1909.8	-0.12	0.308	25.36	26.00	1.159	0.357	/
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 0mm													
ANT2	Level4&5&6	GPRS (2slots)	Top Edge	0	661	1880.0	0.12	1.140	25.71	26.00	1.070	1.220	7#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.3WCDMA Band 2

Antenn a	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													
ANT2	Level1&2&3	RMC	Left Cheek	0	9400	1880.0	0.18	0.437	16.30	16.50	1.047	0.458	/
	Level1&2&3		Left Tilt	0	9400	1880.0	-0.17	0.442	16.30	16.50	1.047	0.463	/
	Level1&2&3		Right Cheek	0	9400	1880.0	-0.05	0.527	16.30	16.50	1.047	0.552	/
	Level1&2&3		Right Tilt	0	9400	1880.0	-0.11	0.691	16.30	16.50	1.047	0.724	8#
ANT3	Level1&2&3	RMC	Left Cheek	0	9262	1852.4	0.02	0.121	22.71	23.50	1.199	0.145	/
	Level1&2&3		Left Tilt	0	9262	1852.4	0.13	0.064	22.71	23.50	1.199	0.077	/
	Level1&2&3		Right Cheek	0	9262	1852.4	0.13	0.083	22.71	23.50	1.199	0.100	/
	Level1&2&3		Right Tilt	0	9262	1852.4	0.17	0.077	22.71	23.50	1.199	0.092	/
Body-worn Accessory													
ANT2	Level4	RMC	Front Side	15	9400	1880.0	-0.19	0.181	19.80	20.50	1.175	0.213	/
	Level4		Back Side	15	9400	1880.0	-0.04	0.200	19.80	20.50	1.175	0.235	9#
ANT3	Level4	RMC	Front Side	15	9400	1880.0	-0.03	0.127	19.80	20.50	1.175	0.149	/
	Level4		Back Side	15	9400	1880.0	-0.01	0.188	19.80	20.50	1.175	0.221	/
Hotspot													
ANT2	Level5&6	RMC	Front Side	10	9400	1880.0	0.19	0.338	19.80	20.50	1.175	0.397	/
	Level5&6		Back Side	10	9400	1880.0	0.01	0.503	19.80	20.50	1.175	0.591	/
	Level5&6		Right Edge	10	9400	1880.0	0.16	0.085	19.80	20.50	1.175	0.100	/
	Level5&6		Top Edge	10	9400	1880.0	-0.16	0.700	19.80	20.50	1.175	0.822	10#
	Level5&6			10	9262	1852.4	0.14	0.681	19.78	20.50	1.180	0.804	/
	Level5&6			10	9538	1907.6	0.19	0.679	19.77	20.50	1.183	0.803	/
ANT3	Level5&6	RMC	Front Side	10	9400	1880.0	0.18	0.218	19.80	20.50	1.175	0.256	/
	Level5&6		Back Side	10	9400	1880.0	0.11	0.334	19.80	20.50	1.175	0.392	/
	Level5&6		Left Edge	10	9400	1880.0	0.12	0.053	19.80	20.50	1.175	0.062	/
	Level5&6		Right Edge	10	9400	1880.0	-0.10	0.078	19.80	20.50	1.175	0.092	/
	Level5&6		Bottom Edge	10	9400	1880.0	0.01	0.430	19.80	20.50	1.175	0.505	/
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 0mm													
ANT2	Level4&5&6	RMC	Top Edge	0	9400	1880.0	0.01	1.290	19.80	20.50	1.175	1.516	11#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA Band 4

Antenn a	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													
ANT2	Level1&2&3	RMC	Left Cheek	0	1412	1732.4	0.01	0.347	17.30	17.50	1.047	0.363	/
	Level1&2&3		Left Tilt	0	1412	1732.4	-0.18	0.421	17.30	17.50	1.047	0.441	/
	Level1&2&3		Right Cheek	0	1412	1732.4	-0.18	0.546	17.30	17.50	1.047	0.572	/
	Level1&2&3		Right Tilt	0	1412	1732.4	0.06	0.559	17.30	17.50	1.047	0.585	12#
ANT3	Level1&2&3	RMC	Left Cheek	0	1312	1712.4	0.12	0.088	22.76	23.50	1.186	0.104	/
	Level1&2&3		Left Tilt	0	1312	1712.4	0.08	0.046	22.76	23.50	1.186	0.055	/
	Level1&2&3		Right Cheek	0	1312	1712.4	0.18	0.082	22.76	23.50	1.186	0.097	/
	Level1&2&3		Right Tilt	0	1312	1712.4	0.16	0.053	22.76	23.50	1.186	0.063	/
Body-worn Accessory													
ANT2	Level4	RMC	Front Side	15	1412	1732.4	0.19	0.119	20.29	20.50	1.050	0.125	/
	Level4		Back Side	15	1412	1732.4	-0.13	0.159	20.29	20.50	1.050	0.167	/
ANT3	Level4	RMC	Front Side	15	1412	1732.4	-0.17	0.108	20.29	20.50	1.050	0.113	/
	Level4		Back Side	15	1412	1732.4	0.02	0.228	20.29	20.50	1.050	0.239	13#
Hotspot													
ANT2	Level5&6	RMC	Front Side	10	1412	1732.4	-0.19	0.234	20.29	20.50	1.050	0.246	/
	Level5&6		Back Side	10	1412	1732.4	-0.16	0.308	20.29	20.50	1.050	0.323	/
	Level5&6		Right Edge	10	1412	1732.4	-0.08	0.054	20.29	20.50	1.050	0.057	/
	Level5&6		Top Edge	10	1412	1732.4	-0.01	0.491	20.29	20.50	1.050	0.515	14#
ANT3	Level5&6	RMC	Front Side	10	1412	1732.4	-0.01	0.174	20.29	20.50	1.050	0.183	/
	Level5&6		Back Side	10	1412	1732.4	-0.05	0.316	20.29	20.50	1.050	0.332	/
	Level5&6		Left Edge	10	1412	1732.4	-0.14	0.058	20.29	20.50	1.050	0.061	/
	Level5&6		Right Edge	10	1412	1732.4	0.12	0.010	20.29	20.50	1.050	0.010	/
	Level5&6		Bottom Edge	10	1412	1732.4	-0.05	0.429	20.29	20.50	1.050	0.450	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.5WCDMA Band 5

Antenn a	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													
ANT2	Level1	RMC	Left Cheek	0	4132	826.4	-0.16	0.344	23.11	24.50	1.377	0.474	/
	Level1		Left Tilt	0	4132	826.4	0.02	0.265	23.11	24.50	1.377	0.365	/
	Level1		Right Cheek	0	4132	826.4	-0.04	0.375	23.11	24.50	1.377	0.516	15#
	Level1		Right Tilt	0	4132	826.4	-0.05	0.315	23.11	24.50	1.377	0.434	/
ANT2	Level2&3	RMC	Left Cheek	0	4132	826.4	-0.09	0.175	20.11	21.50	1.377	0.241	/
	Level2&3		Left Tilt	0	4132	826.4	0.04	0.141	20.11	21.50	1.377	0.194	/
	Level2&3		Right Cheek	0	4132	826.4	0.05	0.195	20.11	21.50	1.377	0.269	/
	Level2&3		Right Tilt	0	4132	826.4	-0.05	0.163	20.11	21.50	1.377	0.224	/
ANT3	Level1&2&3	RMC	Left Cheek	0	4132	826.4	-0.09	0.150	23.11	24.50	1.377	0.207	/
	Level1&2&3		Left Tilt	0	4132	826.4	-0.12	0.085	23.11	24.50	1.377	0.117	/
	Level1&2&3		Right Cheek	0	4132	826.4	0.12	0.136	23.11	24.50	1.377	0.187	/
	Level1&2&3		Right Tilt	0	4132	826.4	0.09	0.078	23.11	24.50	1.377	0.107	/
Body-worn Accessory													
ANT2	Level4	RMC	Front Side	15	4132	826.4	0.11	0.069	23.11	24.50	1.377	0.095	/
	Level4		Back Side	15	4132	826.4	0.18	0.082	23.11	24.50	1.377	0.113	/
ANT3	Level4	RMC	Front Side	15	4132	826.4	0.10	0.093	23.11	24.50	1.377	0.128	/
	Level4		Back Side	15	4132	826.4	-0.01	0.108	23.11	24.50	1.377	0.149	16#
Hotspot													
ANT2	Level5&6	RMC	Front Side	10	4132	826.4	-0.04	0.059	23.11	24.50	1.377	0.081	/
	Level5&6		Back Side	10	4132	826.4	-0.15	0.083	23.11	24.50	1.377	0.114	/
	Level5&6		Right Edge	10	4132	826.4	0.17	0.008	23.11	24.50	1.377	0.011	/
	Level5&6		Top Edge	10	4132	826.4	0.18	0.056	23.11	24.50	1.377	0.077	/
ANT3	Level5&6	RMC	Front Side	10	4132	826.4	-0.11	0.144	23.11	24.50	1.377	0.198	/
	Level5&6		Back Side	10	4132	826.4	-0.12	0.215	23.11	24.50	1.377	0.296	17#
	Level5&6		Left Edge	10	4132	826.4	0.04	0.089	23.11	24.50	1.377	0.123	/
	Level5&6		Right Edge	10	4132	826.4	-0.05	0.160	23.11	24.50	1.377	0.220	/
	Level5&6		Bottom Edge	10	4132	826.4	-0.06	0.154	23.11	24.50	1.377	0.212	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.6LTE Band 2 (20MHz Bandwidth)

Anten na	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															
ANT2	Level1	QPSK	Left Cheek	0	18900	1880	1	Mid	0.12	0.388	16.22	16.50	1.067	0.414	/
	Level1			0	18900	1880	50	Low	-0.12	0.406	16.08	16.50	1.102	0.447	/
	Level1		Left Tilt	0	18900	1880	1	Mid	-0.19	0.443	16.22	16.50	1.067	0.473	/
	Level1			0	18900	1880	50	Low	0.11	0.575	16.08	16.50	1.102	0.633	/
	Level1		Right Cheek	0	18900	1880	1	Mid	0.190	0.612	16.22	16.50	1.067	0.653	/
	Level1			0	18900	1880	50	Low	0.09	0.602	16.08	16.50	1.102	0.663	/
	Level1		Right Tilt	0	18900	1880	1	Mid	-0.04	0.611	16.22	16.50	1.067	0.652	/
	Level1			0	18900	1880	50	Low	-0.10	0.639	16.08	16.50	1.102	0.704	18#
ANT2	Level2&3	QPSK	Left Cheek	0	18900	1880	1	Mid	0.05	0.350	15.22	15.50	1.067	0.373	/
	Level2&3			0	18900	1880	50	Low	-0.09	0.321	15.08	15.50	1.102	0.354	/
	Level2&3		Left Tilt	0	18900	1880	1	Mid	-0.010	0.397	15.22	15.50	1.067	0.423	/
	Level2&3			0	18900	1880	50	Low	0.01	0.395	15.08	15.50	1.102	0.435	/
	Level2&3		Right Cheek	0	18900	1880	1	Mid	0.11	0.550	15.22	15.50	1.067	0.587	/
	Level2&3			0	18900	1880	50	Low	0.08	0.441	15.08	15.50	1.102	0.486	/
	Level2&3		Right Tilt	0	18900	1880	1	Mid	-0.19	0.527	15.22	15.50	1.067	0.562	/
	Level2&3			0	18900	1880	50	Low	0.05	0.564	15.08	15.50	1.102	0.621	/
ANT3	OFF	QPSK	Left Cheek	0	18900	1880	1	Mid	-0.15	0.112	22.54	23.50	1.247	0.140	/
	OFF			0	18700	1860	50	Mid	-0.17	0.085	21.36	22.50	1.300	0.111	/
	OFF		Left Tilt	0	18900	1880	1	Mid	0.11	0.052	22.54	23.50	1.247	0.065	/
	OFF			0	18700	1860	50	Mid	0.14	0.044	21.36	22.50	1.300	0.057	/
	OFF		Right Cheek	0	18900	1880	1	Mid	-0.14	0.074	22.54	23.50	1.247	0.092	/
	OFF			0	18700	1860	50	Mid	0.09	0.064	21.36	22.50	1.300	0.083	/
	OFF		Right Tilt	0	18900	1880	1	Mid	0.16	0.060	22.54	23.50	1.247	0.075	/
	OFF			0	18700	1860	50	Mid	-0.04	0.052	21.36	22.50	1.300	0.068	/
Body-worn Accessory															
ANT2	Level4	QPSK	Front Side	15	18900	1880	1	Mid	-0.11	0.172	19.75	20.00	1.059	0.182	/
	Level4			15	18900	1880	50	Low	0.05	0.179	19.64	20.00	1.086	0.194	/
	Level4		Back Side	15	18900	1880	1	Mid	-0.16	0.293	19.75	20.00	1.059	0.310	/
	Level4			15	18900	1880	50	Low	-0.02	0.304	19.64	20.00	1.086	0.330	19#
ANT3	Level4	QPSK	Front Side	15	18900	1880	1	Mid	-0.06	0.111	19.75	20.00	1.059	0.118	/
	Level4			15	18900	1880	50	Low	-0.16	0.119	19.64	20.00	1.086	0.129	/
	Level4		Back Side	15	18900	1880	1	Mid	0.03	0.167	19.75	20.00	1.059	0.177	/
	Level4			15	18900	1880	50	Low	-0.07	0.179	19.64	20.00	1.086	0.194	/
Hotspot															
ANT2	Level5&6	QPSK	Front Side	10	18900	1880	1	Mid	-0.13	0.313	19.75	20.00	1.059	0.332	/
	Level5&6			10	18900	1880	50	Low	0.07	0.324	19.64	20.00	1.086	0.352	/
	Level5&6		Back Side	10	18900	1880	1	Mid	-0.17	0.453	19.75	20.00	1.059	0.480	/
	Level5&6			10	18900	1880	50	Low	-0.01	0.475	19.64	20.00	1.086	0.516	/
	Level5&6		Right Edge	10	18900	1880	1	Mid	-0.02	0.088	19.75	20.00	1.059	0.093	/

	Level5&6		Top Edge	10	18900	1880	50	Low	-0.09	0.091	19.64	20.00	1.086	0.099	/
	Level5&6			10	18900	1880	1	Mid	-0.12	0.601	19.75	20.00	1.059	0.637	/
	Level5&6			10	18900	1880	50	Low	0.06	0.676	19.64	20.00	1.086	0.734	20#
ANT3	Level5&6	QPSK	Front Side	10	18900	1880	1	Mid	-0.10	0.189	19.75	20.00	1.059	0.200	/
	Level5&6			10	18900	1880	50	Low	0.12	0.205	19.64	20.00	1.086	0.223	/
	Level5&6		Back Side	10	18900	1880	1	Mid	-0.06	0.302	19.75	20.00	1.059	0.320	/
	Level5&6			10	18900	1880	50	Low	0.14	0.325	19.64	20.00	1.086	0.353	/
	Level5&6		Left Edge	10	18900	1880	1	Mid	0.16	0.068	19.75	20.00	1.059	0.072	/
	Level5&6			10	18900	1880	50	Low	0.11	0.080	19.64	20.00	1.086	0.087	/
	Level5&6		Right Edge	10	18900	1880	1	Mid	-0.06	0.042	19.75	20.00	1.059	0.044	/
	Level5&6			10	18900	1880	50	Low	-0.07	0.052	19.64	20.00	1.086	0.056	/
	Level5&6		Bottom Edge	10	18900	1880	1	Mid	0.02	0.392	19.75	20.00	1.059	0.415	/
	Level5&6			10	18900	1880	50	Low	0.03	0.427	19.64	20.00	1.086	0.464	/
	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 0mm															
ANT2	Level4&5&6	QPSK	Top Edge	0	18900	1880	1	Mid	0.13	1.240	19.75	20.00	1.059	1.313	/
	Level4&5&6			0	18900	1880	50	Low	0.02	1.300	19.64	20.00	1.086	1.412	21#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.7LTE Band 4 (20MHz Bandwidth)

Anten na	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															
ANT2	Level1&2&3	QPSK	Left Cheek	0	20175	1732.5	1	Mid	-0.12	0.449	21.25	21.50	1.059	0.476	/
	Level1&2&3			0	20050	1745	50	High	-0.14	0.457	21.24	21.50	1.062	0.485	/
	Level1&2&3		Left Tilt	0	20175	1732.5	1	Mid	-0.11	0.463	21.25	21.50	1.059	0.490	/
	Level1&2&3			0	20050	1745	50	High	-0.05	0.497	21.24	21.50	1.062	0.528	/
	Level1&2&3		Right Cheek	0	20175	1732.5	1	Mid	-0.15	0.575	21.25	21.50	1.059	0.609	/
	Level1&2&3			0	20050	1720	50	High	-0.09	0.584	21.24	21.50	1.062	0.620	/
	Level1&2&3		Right Tilt	0	20175	1732.5	1	Mid	-0.04	0.575	21.25	21.50	1.059	0.609	/
	Level1&2&3			0	20050	1720	50	High	-0.06	0.595	21.24	21.50	1.062	0.632	22#
ANT3	Level1&2&3	QPSK	Left Cheek	0	20050	1720	1	Mid	0.18	0.088	22.73	23.50	1.194	0.105	/
	Level1&2&3			0	20050	1720	50	High	-0.08	0.058	21.69	22.50	1.205	0.070	/
	Level1&2&3		Left Tilt	0	20050	1720	1	Mid	-0.03	0.023	22.73	23.50	1.194	0.027	/
	Level1&2&3			0	20050	1720	50	High	0.06	0.018	21.69	22.50	1.205	0.022	/
	Level1&2&3		Right Cheek	0	20050	1720	1	Mid	0.08	0.052	22.73	23.50	1.194	0.062	/
	Level1&2&3			0	20050	1720	50	High	-0.10	0.040	21.69	22.50	1.205	0.048	/
	Level1&2&3		Right Tilt	0	20050	1720	1	Mid	-0.13	0.022	22.73	23.50	1.194	0.026	/
	Level1&2&3			0	20050	1720	50	High	-0.18	0.014	21.69	22.50	1.205	0.017	/
Body-worn Accessory															
ANT2	Level4	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.17	0.157	20.30	20.50	1.047	0.164	/
	Level4			15	20050	1720	50	High	0.08	0.162	20.25	20.50	1.059	0.172	/
	Level4		Back Side	15	20175	1732.5	1	Mid	0.08	0.186	20.30	20.50	1.047	0.195	/
	Level4			15	20050	1720	50	High	-0.06	0.217	20.25	20.50	1.059	0.230	23#
ANT3	Level4	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.03	0.103	20.30	20.50	1.047	0.108	/
	Level4			15	20050	1720	50	High	0.10	0.106	20.25	20.50	1.059	0.112	/
	Level4		Back Side	15	20175	1732.5	1	Mid	0.16	0.175	20.30	20.50	1.047	0.183	/
	Level4			15	20050	1720	50	High	-0.06	0.179	20.25	20.50	1.059	0.190	/
Hotspot															
ANT2	Level5&6	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.06	0.225	20.30	20.50	1.047	0.236	/
	Level5&6			10	20050	1720	50	High	-0.03	0.233	20.25	20.50	1.059	0.247	/
	Level5&6		Back Side	10	20175	1732.5	1	Mid	-0.18	0.289	20.30	20.50	1.047	0.303	/
	Level5&6			10	20050	1720	50	High	0.17	0.300	20.25	20.50	1.059	0.318	/
	Level5&6		Right Edge	10	20175	1732.5	1	Mid	-0.07	0.049	20.30	20.50	1.047	0.051	/
	Level5&6			10	20050	1720	50	High	-0.02	0.050	20.25	20.50	1.059	0.053	/
	Level5&6		Top Edge	10	20175	1732.5	1	Mid	-0.05	0.437	20.30	20.50	1.047	0.458	/
	Level5&6			10	20050	1720	50	High	0.19	0.471	20.25	20.50	1.059	0.499	24#
ANT3	Level5&6	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.10	0.177	20.30	20.50	1.047	0.185	/
	Level5&6			10	20050	1720	50	High	-0.17	0.183	20.25	20.50	1.059	0.194	/
	Level5&6		Back Side	10	20175	1732.5	1	Mid	0.11	0.307	20.30	20.50	1.047	0.321	/
	Level5&6			10	20050	1720	50	High	0.15	0.301	20.25	20.50	1.059	0.319	/
	Level5&6		Left Edge	10	20175	1732.5	1	Mid	0.04	0.055	20.30	20.50	1.047	0.058	/

	Level5&6			10	20050	1720	50	High	-0.14	0.062	20.25	20.50	1.059	0.066	/
	Level5&6		Right Edge	10	20175	1732.5	1	Mid	-0.06	0.000	20.30	20.50	1.047	0.000	/
	Level5&6			10	20050	1720	50	High	0.06	0.000	20.25	20.50	1.059	0.000	/
	Level5&6		Bottom Edge	10	20175	1732.5	1	Mid	0.18	0.397	20.30	20.50	1.047	0.416	/
	Level5&6			10	20050	1720	50	High	-0.17	0.412	20.25	20.50	1.059	0.436	/

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

10.8LTE Band 5 (10MHz Bandwidth)

Anten na	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															
ANT2	Level1&2&3	QPSK	Left Cheek	0	20525	836.5	1	Mid	0.00	0.355	23.43	24.50	1.279	0.454	/
	Level1&2&3			0	20450	829	25	Low	0.10	0.283	22.48	23.50	1.265	0.358	/
	Level1&2&3		Left Tilt	0	20525	836.5	1	Mid	-0.15	0.241	23.43	24.50	1.279	0.308	/
	Level1&2&3			0	20450	829	25	Low	-0.09	0.209	22.48	23.50	1.265	0.264	/
	Level1&2&3		Right Cheek	0	20525	836.5	1	Mid	-0.06	0.426	23.43	24.50	1.279	0.545	25#
	Level1&2&3			0	20450	829	25	Low	0.16	0.400	22.48	23.50	1.265	0.506	/
	Level1&2&3		Right Tilt	0	20525	836.5	1	Mid	0.09	0.417	23.43	24.50	1.279	0.534	/
	Level1&2&3			0	20450	829	25	Low	-0.11	0.311	22.48	23.50	1.265	0.393	/
ANT3	Level1&2&3	QPSK	Left Cheek	0	20525	836.5	1	Mid	0.07	0.161	23.43	24.50	1.279	0.206	/
	Level1&2&3			0	20450	829	25	Low	0.13	0.127	22.48	23.50	1.265	0.161	/
	Level1&2&3		Left Tilt	0	20525	836.5	1	Mid	0.03	0.097	23.43	24.50	1.279	0.124	/
	Level1&2&3			0	20450	829	25	Low	0.06	0.081	22.48	23.50	1.265	0.102	/
	Level1&2&3		Right Cheek	0	20525	836.5	1	Mid	-0.14	0.136	23.43	24.50	1.279	0.174	/
	Level1&2&3			0	20450	829	25	Low	0.01	0.116	22.48	23.50	1.265	0.147	/
	Level1&2&3		Right Tilt	0	20525	836.5	1	Mid	-0.11	0.081	23.43	24.50	1.279	0.104	/
	Level1&2&3			0	20450	829	25	Low	-0.19	0.065	22.48	23.50	1.265	0.082	/
Body-worn Accessory															
ANT2	Level4	QPSK	Front Side	15	20525	836.5	1	Mid	-0.04	0.000	23.43	24.50	1.279	0.000	/
	Level4			15	20450	829	25	Low	-0.16	0.046	22.48	23.50	1.265	0.058	/
	Level4		Back Side	15	20525	836.5	1	Mid	-0.13	0.050	23.43	24.50	1.279	0.064	/
	Level4			15	20450	829	25	Low	0.18	0.052	22.48	23.50	1.265	0.066	/
ANT3	Level4	QPSK	Front Side	15	20525	836.5	1	Mid	-0.18	0.104	23.43	24.50	1.279	0.133	/
	Level4			15	20450	829	25	Low	-0.10	0.117	22.48	23.50	1.265	0.148	/
	Level4		Back Side	15	20525	836.5	1	Mid	-0.01	0.117	23.43	24.50	1.279	0.150	26#
	Level4			15	20450	829	25	Low	0.17	0.102	22.48	23.50	1.265	0.129	/
Hotspot															
ANT2	Level5&6	QPSK	Front Side	10	20525	836.5	1	Mid	-0.19	0.056	23.43	24.50	1.279	0.072	/
	Level5&6			10	20450	829	25	Low	-0.11	0.072	22.48	23.50	1.265	0.091	/
	Level5&6		Back Side	10	20525	836.5	1	Mid	-0.12	0.081	23.43	24.50	1.279	0.104	/
	Level5&6			10	20450	829	25	Low	-0.18	0.100	22.48	23.50	1.265	0.126	/
	Level5&6		Right Edge	10	20525	836.5	1	Mid	-0.19	0.000	23.43	24.50	1.279	0.000	/
	Level5&6			10	20450	829	25	Low	-0.01	0.000	22.48	23.50	1.265	0.000	/
	Level5&6		Top Edge	10	20525	836.5	1	Mid	0.07	0.068	23.43	24.50	1.279	0.087	/
	Level5&6			10	20450	829	25	Low	0.05	0.083	22.48	23.50	1.265	0.105	/
ANT3	Level5&6	QPSK	Front Side	10	20525	836.5	1	Mid	0.01	0.142	23.43	24.50	1.279	0.182	/
	Level5&6			10	20450	829	25	Low	0.19	0.119	22.48	23.50	1.265	0.151	/
	Level5&6		Back Side	10	20525	836.5	1	Mid	0.08	0.184	23.43	24.50	1.279	0.235	27#
	Level5&6			10	20450	829	25	Low	-0.09	0.170	22.48	23.50	1.265	0.215	/
	Level5&6		Left Edge	10	20525	836.5	1	Mid	0.16	0.084	23.43	24.50	1.279	0.107	/

	Level5&6			10	20450	829	25	Low	-0.04	0.064	22.48	23.50	1.265	0.081	/
	Level5&6		Right Edge	10	20525	836.5	1	Mid	0.04	0.181	23.43	24.50	1.279	0.232	/
	Level5&6			10	20450	829	25	Low	0.09	0.138	22.48	23.50	1.265	0.175	/
	Level5&6		Bottom Edge	10	20525	836.5	1	Mid	-0.15	0.130	23.43	24.50	1.279	0.166	/
	Level5&6			10	20450	829	25	Low	-0.14	0.121	22.48	23.50	1.265	0.153	/

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

10.9LTE Band 7 (20MHz Bandwidth)

Anten na	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															
ANT2	Level1	QPSK	Left Cheek	0	20850	2510	1	High	-0.07	0.153	16.12	16.50	1.091	0.167	/
	Level1			0	20850	2510	50	Low	0.18	0.164	16.08	16.50	1.102	0.181	/
	Level1		Left Tilt	0	20850	2510	1	High	-0.12	0.208	16.12	16.50	1.091	0.227	/
	Level1			0	20850	2510	50	Low	0.14	0.173	16.08	16.50	1.102	0.191	/
	Level1		Right Cheek	0	20850	2510	1	High	-0.13	0.461	16.12	16.50	1.091	0.503	/
	Level1			0	20850	2510	50	Low	-0.01	0.445	16.08	16.50	1.102	0.490	/
	Level1		Right Tilt	0	20850	2510	1	High	0.05	0.518	16.12	16.50	1.091	0.565	28#
	Level1			0	20850	2510	50	Low	0.06	0.427	16.08	16.50	1.102	0.470	/
ANT2	Level2&3	QPSK	Left Cheek	0	21350	2560	1	Mid	-0.10	0.147	15.32	15.50	1.042	0.153	/
	Level2&3			0	21350	2560	50	Low	0.02	0.146	15.17	15.50	1.079	0.158	/
	Level2&3		Left Tilt	0	21350	2560	1	Mid	-0.19	0.179	15.32	15.50	1.042	0.187	/
	Level2&3			0	21350	2560	50	Low	0.08	0.166	15.17	15.50	1.079	0.179	/
	Level2&3		Right Cheek	0	21350	2560	1	Mid	-0.07	0.471	15.32	15.50	1.042	0.491	/
	Level2&3			0	21350	2560	50	Low	0.06	0.357	15.17	15.50	1.079	0.385	/
	Level2&3		Right Tilt	0	21350	2560	1	Mid	-0.12	0.493	15.32	15.50	1.042	0.514	/
	Level2&3			0	21350	2560	50	Low	0.10	0.470	15.17	15.50	1.079	0.507	/
ANT3	Level1&2&3	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.09	0.166	22.45	23.50	1.274	0.211	/
	Level1&2&3			0	21100	2535	50	High	-0.03	0.141	21.39	22.50	1.291	0.182	/
	Level1&2&3		Left Tilt	0	21100	2535	1	Mid	-0.10	0.105	22.45	23.50	1.274	0.134	/
	Level1&2&3			0	21100	2535	50	High	-0.17	0.107	21.39	22.50	1.291	0.138	/
	Level1&2&3		Right Cheek	0	21100	2535	1	Mid	-0.08	0.250	22.45	23.50	1.274	0.318	/
	Level1&2&3			0	21100	2535	50	High	0.09	0.227	21.39	22.50	1.291	0.293	/
	Level1&2&3		Right Tilt	0	21100	2535	1	Mid	0.18	0.128	22.45	23.50	1.274	0.163	/
	Level1&2&3			0	21100	2535	50	High	0.03	0.108	21.39	22.50	1.291	0.139	/
Body-worn Accessory															
ANT2	Level4	QPSK	Front Side	15	20850	2510	1	High	0.19	0.068	17.13	17.50	1.089	0.074	/
	Level4			15	21100	2535	50	Mid	0.02	0.075	17.14	17.50	1.086	0.081	/
	Level4		Back Side	15	20850	2510	1	High	-0.01	0.111	17.13	17.50	1.089	0.121	/
	Level4			15	21100	2535	50	Mid	-0.18	0.137	17.14	17.50	1.086	0.149	/
ANT3	Level4	QPSK	Front Side	15	21100	2535	1	Mid	0.03	0.086	19.94	21.00	1.276	0.110	/
	Level4			15	21100	2535	50	High	-0.11	0.118	20.01	21.00	1.256	0.148	/
	Level4		Back Side	15	21100	2535	1	Mid	0.03	0.127	19.94	21.00	1.276	0.162	/
	Level4			15	21100	2535	50	High	0.17	0.136	20.01	21.00	1.256	0.171	29#
Hotspot															
ANT2	Level5&6	QPSK	Front Side	10	21350	2560	1	Mid	-0.05	0.074	15.32	15.50	1.042	0.077	/
	Level5&6			10	21350	2560	50	Low	-0.12	0.094	15.17	15.50	1.079	0.101	/
	Level5&6		Back Side	10	21350	2560	1	Mid	0.12	0.144	15.32	15.50	1.042	0.150	/
	Level5&6			10	21350	2560	50	Low	0.12	0.171	15.17	15.50	1.079	0.184	/
	Level5&6		Right Edge	10	21350	2560	1	Mid	0.18	0.101	15.32	15.50	1.042	0.105	/

	Level5&6		Top Edge	10	21350	2560	50	Low	-0.04	0.110	15.17	15.50	1.079	0.119	/
	Level5&6			10	21350	2560	1	Mid	-0.12	0.116	15.32	15.50	1.042	0.121	/
	Level5&6			10	21350	2560	50	Low	0.16	0.086	15.17	15.50	1.079	0.093	/
ANT3	Level5&6	QPSK	Front Side	10	21100	2535	1	Mid	-0.03	0.174	19.94	21.00	1.276	0.222	/
	Level5&6			10	21100	2535	50	High	0.17	0.226	20.01	21.00	1.256	0.284	/
	Level5&6		Back Side	10	21100	2535	1	Mid	-0.18	0.289	19.94	21.00	1.276	0.369	/
	Level5&6			10	21100	2535	50	High	0.17	0.305	20.01	21.00	1.256	0.383	30#
	Level5&6		Left Edge	10	21100	2535	1	Mid	-0.11	0.120	19.94	21.00	1.276	0.153	/
	Level5&6			10	21100	2535	50	High	0.12	0.174	20.01	21.00	1.256	0.219	/
	Level5&6		Right Edge	10	21100	2535	1	Mid	0.12	0.000	19.94	21.00	1.276	0.000	/
	Level5&6			10	21100	2535	50	High	-0.05	0.045	20.01	21.00	1.256	0.057	/
	Level5&6		Bottom Edge	10	21100	2535	1	Mid	-0.07	0.266	19.94	21.00	1.276	0.340	/
	Level5&6			10	21100	2535	50	High	-0.03	0.301	20.01	21.00	1.256	0.378	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.10 LTE Band 12 (10MHz Bandwidth)

Anten na	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															
ANT2	Level1&2&3	QPSK	Left Cheek	0	23060	709	1	Mid	-0.18	0.042	23.03	24.00	1.250	0.053	/
	Level1&2&3			0	23130	711	25	Low	-0.02	0.033	21.99	23.00	1.262	0.042	/
	Level1&2&3		Left Tilt	0	23060	709	1	Mid	0.13	0.041	23.03	24.00	1.250	0.051	/
	Level1&2&3			0	23130	711	25	Low	-0.14	0.032	21.99	23.00	1.262	0.040	/
	Level1&2&3		Right Cheek	0	23060	709	1	Mid	-0.04	0.066	23.03	24.00	1.250	0.082	31#
	Level1&2&3			0	23130	711	25	Low	0.19	0.051	21.99	23.00	1.262	0.064	/
	Level1&2&3		Right Tilt	0	23060	709	1	Mid	-0.01	0.055	23.03	24.00	1.250	0.069	/
	Level1&2&3			0	23130	711	25	Low	0.13	0.049	21.99	23.00	1.262	0.062	/
ANT3	Level1&2&3	QPSK	Left Cheek	0	23060	709	1	Mid	0.15	0.058	23.03	24.00	1.250	0.073	/
	Level1&2&3			0	23130	711	25	Low	0.09	0.052	21.99	23.00	1.262	0.066	/
	Level1&2&3		Left Tilt	0	23060	709	1	Mid	-0.18	0.044	23.03	24.00	1.250	0.055	/
	Level1&2&3			0	23130	711	25	Low	0.16	0.037	21.99	23.00	1.262	0.047	/
	Level1&2&3		Right Cheek	0	23060	709	1	Mid	0.17	0.063	23.03	24.00	1.250	0.079	/
	Level1&2&3			0	23130	711	25	Low	-0.19	0.052	21.99	23.00	1.262	0.066	/
	Level1&2&3		Right Tilt	0	23060	709	1	Mid	0.02	0.036	23.03	24.00	1.250	0.045	/
	Level1&2&3			0	23130	711	25	Low	-0.06	0.028	21.99	23.00	1.262	0.035	/
Body-worn Accessory															
ANT2	Level4	QPSK	Front Side	15	23060	709	1	Mid	0.08	0.032	23.03	24.00	1.250	0.040	/
	Level4			15	23130	711	25	Low	0.12	0.025	21.99	23.00	1.262	0.032	/
	Level4		Back Side	15	23060	709	1	Mid	-0.18	0.058	23.03	24.00	1.250	0.073	/
	Level4			15	23130	711	25	Low	0.03	0.047	21.99	23.00	1.262	0.059	/
ANT3	Level4	QPSK	Front Side	15	23060	709	1	Mid	-0.04	0.092	23.03	24.00	1.250	0.115	/
	Level4			15	23130	711	25	Low	0.18	0.086	21.99	23.00	1.262	0.109	/
	Level4		Back Side	15	23060	709	1	Mid	0.00	0.104	23.03	24.00	1.250	0.130	32#
	Level4			15	23130	711	25	Low	0.16	0.094	21.99	23.00	1.262	0.119	/
Hotspot															
ANT2	Level5&6	QPSK	Front Side	10	23060	709	1	Mid	-0.05	0.044	23.03	24.00	1.250	0.055	/
	Level5&6			10	23130	711	25	Low	0.19	0.038	21.99	23.00	1.262	0.048	/
	Level5&6		Back Side	10	23060	709	1	Mid	0.10	0.075	23.03	24.00	1.250	0.094	/
	Level5&6			10	23130	711	25	Low	0.06	0.063	21.99	23.00	1.262	0.079	/
	Level5&6		Right Edge	10	23060	709	1	Mid	0.03	0.025	23.03	24.00	1.250	0.031	/
	Level5&6			10	23130	711	25	Low	-0.04	0.017	21.99	23.00	1.262	0.021	/
	Level5&6		Top Edge	10	23060	709	1	Mid	0.00	0.036	23.03	24.00	1.250	0.045	/
	Level5&6			10	23130	711	25	Low	0.06	0.026	21.99	23.00	1.262	0.033	/
ANT3	Level5&6	QPSK	Front Side	10	23060	709	1	Mid	0.13	0.092	23.03	24.00	1.250	0.115	/
	Level5&6			10	23130	711	25	Low	-0.10	0.073	21.99	23.00	1.262	0.092	/
	Level5&6		Back Side	10	23060	709	1	Mid	-0.05	0.105	23.03	24.00	1.250	0.131	/
	Level5&6			10	23130	711	25	Low	0.03	0.103	21.99	23.00	1.262	0.130	/
	Level5&6		Left Edge	10	23060	709	1	Mid	0.12	0.063	23.03	24.00	1.250	0.079	/

	Level5&6			10	23130	711	25	Low	0.12	0.045	21.99	23.00	1.262	0.057	/
	Level5&6		Right Edge	10	23060	709	1	Mid	-0.11	0.129	23.03	24.00	1.250	0.161	33#
	Level5&6			10	23130	711	25	Low	0.19	0.085	21.99	23.00	1.262	0.107	/
	Level5&6		Bottom Edge	10	23060	709	1	Mid	0.03	0.068	23.03	24.00	1.250	0.085	/
	Level5&6			10	23130	711	25	Low	0.16	0.045	21.99	23.00	1.262	0.057	/

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

10.11 LTE Band 26 (15MHz Bandwidth)

Anten na	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															
ANT2	Level1&2&3	QPSK	Left Cheek	0	26965	841.5	1	Mid	0.03	0.224	22.89	24.00	1.291	0.289	/
	Level1&2&3			0	26765	821.5	36	Low	-0.17	0.185	22.03	23.00	1.250	0.231	/
	Level1&2&3		Left Tilt	0	26965	841.5	1	Mid	0.16	0.169	22.89	24.00	1.291	0.218	/
	Level1&2&3			0	26765	821.5	36	Low	-0.09	0.189	22.03	23.00	1.250	0.236	/
	Level1&2&3		Right Cheek	0	26965	841.5	1	Mid	-0.08	0.277	22.89	24.00	1.291	0.358	34#
	Level1&2&3			0	26765	821.5	36	Low	0.02	0.249	22.03	23.00	1.250	0.311	/
	Level1&2&3		Right Tilt	0	26965	841.5	1	Mid	0.03	0.231	22.89	24.00	1.291	0.298	/
	Level1&2&3			0	26765	821.5	36	Low	0.00	0.195	22.03	23.00	1.250	0.244	/
ANT3	Level1&2&3	QPSK	Left Cheek	0	26965	841.5	1	Mid	0.01	0.118	22.89	24.00	1.291	0.152	/
	Level1&2&3			0	26765	821.5	36	Low	-0.01	0.105	22.03	23.00	1.250	0.131	/
	Level1&2&3		Left Tilt	0	26965	841.5	1	Mid	-0.10	0.065	22.89	24.00	1.291	0.084	/
	Level1&2&3			0	26765	821.5	36	Low	0.02	0.067	22.03	23.00	1.250	0.084	/
	Level1&2&3		Right Cheek	0	26965	841.5	1	Mid	0.13	0.108	22.89	24.00	1.291	0.139	/
	Level1&2&3			0	26765	821.5	36	Low	-0.03	0.093	22.03	23.00	1.250	0.116	/
	Level1&2&3		Right Tilt	0	26965	841.5	1	Mid	-0.10	0.063	22.89	24.00	1.291	0.081	/
	Level1&2&3			0	26765	821.5	36	Low	-0.05	0.055	22.03	23.00	1.250	0.069	/
Body-worn Accessory															
ANT2	Level4	QPSK	Front Side	15	26965	841.5	1	Mid	-0.15	0.032	22.89	24.00	1.291	0.041	/
	Level4			15	26765	821.5	36	Low	0.02	0.024	22.03	23.00	1.250	0.030	/
	Level4		Back Side	15	26965	841.5	1	Mid	0.04	0.045	22.89	24.00	1.291	0.058	/
	Level4			15	26765	821.5	36	Low	-0.19	0.033	22.03	23.00	1.250	0.041	/
ANT3	Level4	QPSK	Front Side	15	26965	841.5	1	Mid	-0.09	0.084	22.89	24.00	1.291	0.108	/
	Level4			15	26765	821.5	36	Low	0.00	0.073	22.03	23.00	1.250	0.091	/
	Level4		Back Side	15	26965	841.5	1	Mid	0.00	0.089	22.89	24.00	1.291	0.115	35#
	Level4			15	26765	821.5	36	Low	0.03	0.083	22.03	23.00	1.250	0.104	/
Hotspot															
ANT2	Level5&6	QPSK	Front Side	10	26965	841.5	1	Mid	0.05	0.045	22.89	24.00	1.291	0.058	/
	Level5&6			10	26765	821.5	36	Low	0.16	0.037	22.03	23.00	1.250	0.046	/
	Level5&6		Back Side	10	26965	841.5	1	Mid	0.04	0.064	22.89	24.00	1.291	0.083	/
	Level5&6			10	26765	821.5	36	Low	-0.18	0.051	22.03	23.00	1.250	0.064	/
	Level5&6		Right Edge	10	26965	841.5	1	Mid	-0.14	0.026	22.89	24.00	1.291	0.034	/
	Level5&6			10	26765	821.5	36	Low	0.04	0.021	22.03	23.00	1.250	0.026	/
	Level5&6		Top Edge	10	26965	841.5	1	Mid	-0.08	0.044	22.89	24.00	1.291	0.057	/
	Level5&6			10	26765	821.5	36	Low	-0.07	0.036	22.03	23.00	1.250	0.045	/
ANT3	Level5&6	QPSK	Front Side	10	26965	841.5	1	Mid	-0.10	0.104	22.89	24.00	1.291	0.134	/
	Level5&6			10	26765	821.5	36	Low	0.10	0.096	22.03	23.00	1.250	0.120	/
	Level5&6		Back Side	10	26965	841.5	1	Mid	-0.03	0.120	22.89	24.00	1.291	0.155	36#
	Level5&6			10	26765	821.5	36	Low	-0.01	0.114	22.03	23.00	1.250	0.143	/
	Level5&6		Left Edge	10	26965	841.5	1	Mid	-0.08	0.068	22.89	24.00	1.291	0.088	/

	Level5&6			10	26765	821.5	36	Low	-0.19	0.067	22.03	23.00	1.250	0.084	/
	Level5&6		Right Edge	10	26965	841.5	1	Mid	-0.09	0.112	22.89	24.00	1.291	0.145	/
	Level5&6			10	26765	821.5	36	Low	-0.09	0.104	22.03	23.00	1.250	0.130	/
	Level5&6		Bottom Edge	10	26965	841.5	1	Mid	-0.13	0.094	22.89	24.00	1.291	0.121	/
	Level5&6			10	26765	821.5	36	Low	-0.04	0.082	22.03	23.00	1.250	0.103	/

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

10.12 LTE Band 66 (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															
ANT2	Level1	QPSK	Left Cheek	0	132072	1720	1	Mid	0.06	0.695	19.65	20.00	1.084	0.753	/
	Level1			0	132572	1770	50	Low	-0.05	0.665	19.56	20.00	1.107	0.736	/
	Level1		Left Tilt	0	132072	1720	1	Mid	0.06	0.866	19.65	20.00	1.084	0.939	/
	Level1			0	132322	1745	1	Mid	0.13	0.852	19.52	20.00	1.117	0.952	/
	Level1			0	132572	1770	1	Mid	-0.14	0.848	19.45	20.00	1.135	0.962	/
	Level1			0	132572	1770	50	Low	-0.15	0.856	19.56	20.00	1.107	0.947	/
	Level1			0	132072	1720	50	Low	-0.03	0.841	19.49	20.00	1.125	0.946	/
	Level1			0	132322	1745	50	Low	-0.13	0.877	19.50	20.00	1.122	0.984	/
	Level1			0	132072	1720	100	Low	0.07	0.842	19.59	20.00	1.099	0.925	/
	Level1			0	132072	1720	1	Mid	-0.13	1.080	19.65	20.00	1.084	1.171	37#
	Level1		Right Cheek	0	132322	1745	1	Mid	-0.01	0.974	19.52	20.00	1.117	1.088	/
	Level1			0	132572	1770	1	Mid	-0.05	0.884	19.45	20.00	1.135	1.003	/
	Level1			0	132572	1770	50	Low	-0.18	0.932	19.56	20.00	1.107	1.031	/
	Level1			0	132072	1720	50	Low	0.02	0.911	19.49	20.00	1.125	1.025	/
	Level1			0	132322	1745	50	Low	0.13	0.925	19.50	20.00	1.122	1.038	/
	Level1			0	132072	1720	100	Low	0.04	0.910	19.59	20.00	1.099	1.000	/
	Level1			0	132072	1720	1	Mid	-0.15	0.952	19.65	20.00	1.084	1.032	/
	Level1			0	132322	1745	1	Mid	0.08	0.942	19.52	20.00	1.117	1.052	/
	Level1		Right Tilt	0	132572	1770	1	Mid	0.19	0.937	19.45	20.00	1.135	1.064	/
	Level1			0	132572	1770	50	Low	-0.16	0.982	19.56	20.00	1.107	1.087	/
	Level1			0	132072	1720	50	Low	-0.16	0.911	19.49	20.00	1.125	1.025	/
	Level1			0	132322	1745	50	Low	0.09	0.973	19.50	20.00	1.122	1.092	/
	Level1			0	132072	1720	100	Low	0.06	0.945	19.59	20.00	1.099	1.039	/
ANT2	Level2&3	QPSK	Left Cheek	0	132072	1720	1	Mid	0.17	0.562	18.72	19.00	1.067	0.599	/
	Level2&3			0	132572	1770	50	High	-0.17	0.544	18.60	19.00	1.096	0.596	/
	Level2&3		Left Tilt	0	132072	1720	1	Mid	0.16	0.691	18.72	19.00	1.067	0.737	/
	Level2&3			0	132572	1770	50	High	0.00	0.671	18.60	19.00	1.096	0.736	/
	Level2&3		Right Cheek	0	132072	1720	1	Mid	-0.02	0.871	18.72	19.00	1.067	0.929	/
	Level2&3			0	132322	1745	1	Mid	-0.04	0.785	18.69	19.00	1.074	0.843	/
	Level2&3			0	132572	1770	1	Mid	0.13	0.723	18.72	19.00	1.067	0.771	/
	Level2&3			0	132572	1770	50	High	-0.03	0.755	18.60	19.00	1.096	0.828	/
	Level2&3			0	132072	1720	50	Low	-0.08	0.738	18.57	19.00	1.104	0.815	/
	Level2&3			0	132322	1745	50	Low	0.04	0.745	18.58	19.00	1.102	0.821	/
	Level2&3			0	132072	1720	100	Low	0.04	0.702	18.58	19.00	1.102	0.773	/
	Level2&3		Right Tilt	0	132072	1720	1	Mid	-0.10	0.771	18.72	19.00	1.067	0.822	/
	Level2&3			0	132322	1745	1	Mid	-0.03	0.759	18.69	19.00	1.074	0.815	/
	Level2&3			0	132572	1770	1	Mid	-0.10	0.781	18.72	19.00	1.067	0.833	/
	Level2&3			0	132572	1770	50	High	-0.06	0.792	18.60	19.00	1.096	0.868	/
	Level2&3			0	132072	1720	50	Low	0.08	0.748	18.57	19.00	1.104	0.826	/

	Level2&3			0	132322	1745	50	Low	-0.18	0.795	18.58	19.00	1.102	0.876	/
	Level2&3			0	132072	1720	100	Low	0.17	0.776	18.58	19.00	1.102	0.855	/
ANT3	Level1&2&3	QPSK	Left Cheek	0	132322	1745	1	Mid	-0.14	0.112	23.10	24.00	1.230	0.138	/
	0			132072	1720	50	High	0.01	0.087	22.06	23.00	1.242	0.108	/	
	Level1&2&3		Left Tilt	0	132322	1745	1	Mid	0.00	0.047	23.10	24.00	1.230	0.058	/
	0			132072	1720	50	High	0.09	0.037	22.06	23.00	1.242	0.046	/	
	Level1&2&3		Right Cheek	0	132322	1745	1	Mid	0.15	0.073	23.10	24.00	1.230	0.090	/
	0			132072	1720	50	High	-0.18	0.066	22.06	23.00	1.242	0.082	/	
	Level1&2&3		Right Tilt	0	132322	1745	1	Mid	0.04	0.062	23.10	24.00	1.230	0.076	/
	0			132072	1720	50	High	-0.01	0.052	22.06	23.00	1.242	0.065	/	
Body-worn Accessory															
ANT2	Level4	QPSK	Front Side	15	132072	1720	1	Low	-0.09	0.127	20.60	21.00	1.096	0.139	/
	15			132572	1770	50	High	-0.02	0.146	20.61	21.00	1.094	0.160	/	
	Level4		Back Side	15	132072	1720	1	Low	-0.10	0.115	20.60	21.00	1.096	0.126	/
	Level4			15	132572	1770	50	High	0.15	0.129	20.61	21.00	1.094	0.141	/
ANT3	Level4	QPSK	Front Side	15	132072	1720	1	Low	0.13	0.105	20.60	21.00	1.096	0.115	/
	15			132572	1770	50	High	-0.17	0.131	20.61	21.00	1.094	0.143	/	
	Level4		Back Side	15	132072	1720	1	Low	-0.12	0.146	20.60	21.00	1.096	0.160	/
	Level4			15	132572	1770	50	High	-0.10	0.158	20.61	21.00	1.094	0.173	38#
Hotspot															
ANT2	Level5&6	QPSK	Front Side	10	132072	1720	1	Low	-0.11	0.305	20.60	21.00	1.096	0.334	/
	10			132572	1770	50	High	-0.15	0.303	20.61	21.00	1.094	0.331	/	
	Level5&6		Back Side	10	132072	1720	1	Low	-0.04	0.378	20.60	21.00	1.096	0.414	/
	Level5&6			10	132572	1770	50	High	0.07	0.380	20.61	21.00	1.094	0.416	/
	Level5&6		Right Edge	10	132072	1720	1	Low	-0.16	0.072	20.60	21.00	1.096	0.079	/
	Level5&6			10	132572	1770	50	High	-0.11	0.062	20.61	21.00	1.094	0.068	/
	Level5&6		Top Edge	10	132072	1720	1	Low	0.12	0.573	20.60	21.00	1.096	0.628	39#
	Level5&6			10	132572	1770	50	High	-0.02	0.558	20.61	21.00	1.094	0.610	/
ANT3	Level5&6	QPSK	Front Side	10	132072	1720	1	Low	-0.08	0.184	20.60	21.00	1.096	0.202	/
	10			132572	1770	50	High	-0.07	0.244	20.61	21.00	1.094	0.267	/	
	Level5&6		Back Side	10	132072	1720	1	Low	-0.18	0.314	20.60	21.00	1.096	0.344	/
	Level5&6			10	132572	1770	50	High	0.13	0.381	20.61	21.00	1.094	0.417	/
	Level5&6		Left Edge	10	132072	1720	1	Low	-0.04	0.063	20.60	21.00	1.096	0.069	/
	Level5&6			10	132572	1770	50	High	-0.18	0.086	20.61	21.00	1.094	0.094	/
	Level5&6		Right Edge	10	132072	1720	1	Low	-0.14	0.028	20.60	21.00	1.096	0.031	/
	Level5&6			10	132572	1770	50	High	-0.01	0.025	20.61	21.00	1.094	0.027	/
	Level5&6		Bottom Edge	10	132072	1720	1	Low	-0.01	0.403	20.60	21.00	1.096	0.442	/
	Level5&6			10	132572	1770	50	High	0.05	0.436	20.61	21.00	1.094	0.477	/
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 0mm															
ANT2	Level4&5&6	QPSK	Top Edge	0	132072	1720	1	Low	0.19	1.500	20.60	21.00	1.096	1.645	40#
	Level4&5&6			0	132572	1770	50	High	0.02	1.440	20.61	21.00	1.094	1.575	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.13 LTE Band 38 (20MHz Bandwidth)

Anten na	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															
ANT2	Level1&2&3	QPSK	Left Cheek	0	38000	2595	1	High	0.15	0.173	18.10	18.50	1.096	0.190	/
	Level1&2&3			0	37850	2580	50	Low	0.05	0.219	18.14	18.50	1.086	0.238	/
	Level1&2&3		Left Tilt	0	38000	2595	1	High	-0.12	0.160	18.10	18.50	1.096	0.175	/
	Level1&2&3			0	37850	2580	50	Low	0.19	0.211	18.14	18.50	1.086	0.229	/
	Level1&2&3		Right Cheek	0	38000	2595	1	High	-0.07	0.472	18.10	18.50	1.096	0.518	/
	Level1&2&3			0	37850	2580	50	Low	-0.18	0.480	18.14	18.50	1.086	0.521	41#
	Level1&2&3		Right Tilt	0	38000	2595	1	High	-0.12	0.442	18.10	18.50	1.096	0.485	/
	Level1&2&3			0	37850	2580	50	Low	-0.17	0.441	18.14	18.50	1.086	0.479	/
ANT3	Level1&2&3	QPSK	Left Cheek	0	38150	2610	1	Mid	-0.08	0.158	23.53	24.00	1.114	0.176	/
	Level1&2&3			0	38150	2610	50	Mid	-0.06	0.133	22.19	23.00	1.205	0.160	/
	Level1&2&3		Left Tilt	0	38150	2610	1	Mid	0.14	0.138	23.53	24.00	1.114	0.154	/
	Level1&2&3			0	38150	2610	50	Mid	0.09	0.127	22.19	23.00	1.205	0.153	/
	Level1&2&3		Right Cheek	0	38150	2610	1	Mid	0.09	0.292	23.53	24.00	1.114	0.325	/
	Level1&2&3			0	38150	2610	50	Mid	-0.07	0.241	22.19	23.00	1.205	0.290	/
	Level1&2&3		Right Tilt	0	38150	2610	1	Mid	0.06	0.124	23.53	24.00	1.114	0.138	/
	Level1&2&3			0	38150	2610	50	Mid	0.00	0.110	22.19	23.00	1.205	0.133	/
Body-worn Accessory															
ANT2	Level4	QPSK	Front Side	15	37850	2580	1	High	-0.02	0.074	20.06	20.50	1.107	0.082	/
	Level4			15	38000	2595	50	Low	-0.02	0.075	20.15	20.50	1.084	0.081	/
	Level4		Back Side	15	37850	2580	1	High	0.13	0.122	20.06	20.50	1.107	0.135	/
	Level4			15	38000	2595	50	Low	0.15	0.128	20.15	20.50	1.084	0.139	/
ANT3	Level4	QPSK	Front Side	15	38150	2610	1	Mid	0.19	0.077	22.43	23.00	1.140	0.088	/
	Level4			15	38150	2610	50	High	-0.12	0.068	21.30	22.00	1.175	0.080	/
	Level4		Back Side	15	38150	2610	1	Mid	0.17	0.170	22.43	23.00	1.140	0.194	42#
	Level4			15	38150	2610	50	High	0.08	0.158	21.30	22.00	1.175	0.186	/
Hotspot															
ANT2	Level5&6	QPSK	Front Side	10	37850	2580	1	High	-0.12	0.170	20.06	20.50	1.107	0.188	/
	Level5&6			10	38000	2595	50	Low	-0.18	0.173	20.15	20.50	1.084	0.188	/
	Level5&6		Back Side	10	37850	2580	1	High	-0.12	0.299	20.06	20.50	1.107	0.331	/
	Level5&6			10	38000	2595	50	Low	-0.04	0.312	20.15	20.50	1.084	0.338	/
	Level5&6		Right Edge	10	37850	2580	1	High	0.19	0.185	20.06	20.50	1.107	0.205	/
	Level5&6			10	38000	2595	50	Low	-0.14	0.193	20.15	20.50	1.084	0.209	/
	Level5&6		Top Edge	10	37850	2580	1	High	0.01	0.122	20.06	20.50	1.107	0.135	/
	Level5&6			10	38000	2595	50	Low	0.16	0.126	20.15	20.50	1.084	0.137	/
ANT3	Level5&6	QPSK	Front Side	10	38150	2610	1	Mid	-0.10	0.256	22.43	23.00	1.140	0.292	/
	Level5&6			10	38150	2610	50	High	0.19	0.235	21.30	22.00	1.175	0.276	/
	Level5&6		Back Side	10	38150	2610	1	Mid	0.05	0.359	22.43	23.00	1.140	0.409	43#
	Level5&6			10	38150	2610	50	High	-0.06	0.342	21.30	22.00	1.175	0.402	/
	Level5&6		Left Edge	10	38150	2610	1	Mid	-0.13	0.196	22.43	23.00	1.140	0.223	/

	Level5&6			10	38150	2610	50	High	-0.05	0.188	21.30	22.00	1.175	0.221	/
	Level5&6		Right Edge	10	38150	2610	1	Mid	-0.18	0.046	22.43	23.00	1.140	0.052	/
	Level5&6			10	38150	2610	50	High	0.13	0.042	21.30	22.00	1.175	0.049	/
	Level5&6		Bottom Edge	10	38150	2610	1	Mid	0.04	0.344	22.43	23.00	1.140	0.392	/
	Level5&6			10	38150	2610	50	High	-0.19	0.332	21.30	22.00	1.175	0.390	/

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

10.14 LTE Band 41 (20MHz Bandwidth)

Anten na	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															
ANT2	Level1&2&3	QPS	Left Cheek	0	40140	2545	1	Mid	-0.05	0.176	18.15	18.50	1.084	0.191	/
	Level1&2&3			0	41140	2645	50	Low	0.08	0.190	18.12	18.50	1.091	0.207	/
	Level1&2&3		Left Tilt	0	40140	2545	1	Mid	-0.16	0.165	18.15	18.50	1.084	0.179	/
	Level1&2&3			0	41140	2645	50	Low	-0.07	0.180	18.12	18.50	1.091	0.196	/
	Level1&2&3		Right Cheek	0	40140	2545	1	Mid	-0.01	0.454	18.15	18.50	1.084	0.492	44#
	Level1&2&3			0	41140	2645	50	Low	-0.12	0.377	18.12	18.50	1.091	0.411	/
	Level1&2&3		Right Tilt	0	40140	2545	1	Mid	0.00	0.447	18.15	18.50	1.084	0.485	/
	Level1&2&3			0	41140	2645	50	Low	0.06	0.356	18.12	18.50	1.091	0.389	/
ANT3	Level1&2&3	QPSK	Left Cheek	0	41140	2645	1	Mid	-0.02	0.145	23.84	24.00	1.038	0.150	/
	Level1&2&3			0	41140	2645	50	Low	-0.12	0.123	22.58	23.00	1.102	0.135	/
	Level1&2&3		Left Tilt	0	41140	2645	1	Mid	-0.16	0.110	23.84	24.00	1.038	0.114	/
	Level1&2&3			0	41140	2645	50	Low	0.00	0.094	22.58	23.00	1.102	0.104	/
	Level1&2&3		Right Cheek	0	41140	2645	1	Mid	0.11	0.233	23.84	24.00	1.038	0.242	/
	Level1&2&3			0	41140	2645	50	Low	-0.15	0.204	22.58	23.00	1.102	0.225	/
	Level1&2&3		Right Tilt	0	41140	2645	1	Mid	-0.07	0.117	23.84	24.00	1.038	0.121	/
	Level1&2&3			0	41140	2645	50	Low	-0.03	0.098	22.58	23.00	1.102	0.108	/
Body-worn Accessory															
ANT2	Level4	QPSK	Front Side	15	40765	2607.5	1	Mid	-0.18	0.080	20.08	20.50	1.102	0.088	/
	Level4			15	40765	2607.5	50	Low	-0.13	0.084	20.13	20.50	1.089	0.091	/
	Level4		Back Side	15	40765	2607.5	1	Mid	0.10	0.127	20.08	20.50	1.102	0.140	/
	Level4			15	40765	2607.5	50	Low	-0.05	0.131	20.13	20.50	1.089	0.143	/
ANT3	Level4	QPSK	Front Side	15	40765	2607.5	1	Mid	0.03	0.104	22.75	23.00	1.059	0.110	/
	Level4			15	40765	2607.5	50	High	-0.10	0.112	21.68	23.00	1.355	0.152	/
	Level4		Back Side	15	40765	2607.5	1	Mid	-0.19	0.189	21.75	23.00	1.334	0.252	45#
	Level4			15	40765	2607.5	50	High	-0.17	0.177	21.68	23.00	1.355	0.240	/
Hotspot															
ANT2	Level5&6	QPSK	Front Side	10	40765	2607.5	1	Mid	0.18	0.135	20.08	20.50	1.102	0.149	/
	Level5&6			10	40765	2607.5	50	Low	0.05	0.143	20.13	20.50	1.089	0.156	/
	Level5&6		Back Side	10	40765	2607.5	1	Mid	-0.06	0.261	20.08	20.50	1.102	0.288	/
	Level5&6			10	40765	2607.5	50	Low	0.12	0.272	20.13	20.50	1.089	0.296	/
	Level5&6		Right Edge	10	40765	2607.5	1	Mid	-0.03	0.164	20.08	20.50	1.102	0.181	/
	Level5&6			10	40765	2607.5	50	Low	-0.16	0.169	20.13	20.50	1.089	0.184	/
	Level5&6		Top Edge	10	40765	2607.5	1	Mid	0.16	0.103	20.08	20.50	1.102	0.113	/
	Level5&6			10	40765	2607.5	50	Low	0.11	0.107	20.13	20.50	1.089	0.117	/
ANT3	Level5&6	QPSK	Front Side	10	40765	2607.5	1	Mid	0.13	0.206	22.75	23.00	1.059	0.218	/
	Level5&6			10	40765	2607.5	50	High	0.17	0.221	21.68	23.00	1.355	0.299	/
	Level5&6		Back Side	10	40765	2607.5	1	Mid	0.14	0.391	21.75	23.00	1.334	0.521	46#
	Level5&6			10	40765	2607.5	50	High	-0.07	0.354	21.68	23.00	1.355	0.480	/
	Level5&6		Left Edge	10	40765	2607.5	1	Mid	-0.17	0.186	22.75	23.00	1.059	0.197	/

	Level5&6			10	40765	2607.5	50	High	-0.01	0.202	21.68	23.00	1.355	0.274	/
	Level5&6		Right Edge	10	40765	2607.5	1	Mid	-0.08	0.046	22.75	23.00	1.059	0.049	/
	Level5&6			10	40765	2607.5	50	High	0.06	0.049	21.68	23.00	1.355	0.066	/
	Level5&6		Bottom Edge	10	40765	2607.5	1	Mid	0.17	0.338	22.75	23.00	1.059	0.358	/
	Level5&6			10	40765	2607.5	50	High	0.05	0.335	21.68	23.00	1.355	0.454	/

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

10.15 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&2	Left Cheek	0	6	2437	0.09	0.457	12.66	14.00	1.361	99.23	1.008	0.627	47#
	Level1&2	Left Tilt	0	6	2437	0.07	0.419	12.66	14.00	1.361	99.23	1.008	0.575	/
	Level1&2	Right Cheek	0	6	2437	-0.06	0.163	12.66	14.00	1.361	99.23	1.008	0.224	/
	Level1&2	Right Tilt	0	6	2437	0.14	0.180	12.66	14.00	1.361	99.23	1.008	0.247	/
Body-worn Accessory														
802.11b	Level3	Front Side	15	6	2437	0.05	0.011	12.66	14.00	1.361	99.23	1.008	0.015	/
	Level3	Back Side	15	6	2437	0.02	0.018	12.66	14.00	1.361	99.23	1.008	0.025	48#
Hotspot														
802.11b	Level4	Front Side	10	6	2437	0.15	0.068	12.66	14.00	1.361	99.23	1.008	0.093	/
	Level4	Back Side	10	6	2437	0.12	0.080	12.66	14.00	1.361	99.23	1.008	0.110	49#
	Level4	Left Edge	10	6	2437	0.02	0.064	12.66	14.00	1.361	99.23	1.008	0.088	/
	Level4	Top Edge	10	6	2437	0.19	0.070	12.66	14.00	1.361	99.23	1.008	0.096	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.16 WIFI 5GHz

Fre. Band	Mode	Power Reduct ion	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	802.11a	Level1	Left Cheek	0	60	5300	0.14	0.446	10.90	12.00	1.288	96.85	1.033	0.593	/
		Level1	Left Tilt	0	60	5300	0.14	0.637	10.90	12.00	1.288	96.85	1.033	0.847	50#
		Level1		0	52	5260	0.06	0.614	10.77	12.00	1.327	96.85	1.033	0.842	/
		Level1		0	64	5320	0.01	0.602	10.73	12.00	1.340	96.85	1.033	0.833	/
		Level1	Right Cheek	0	60	5300	0.10	0.184	10.90	12.00	1.288	96.85	1.033	0.245	/
		Level1	Right Tilt	0	60	5300	-0.18	0.201	10.90	12.00	1.288	96.85	1.033	0.267	/
5.3G	802.11a	Level2	Left Cheek	0	60	5300	0.03	0.211	7.30	8.50	1.318	96.85	1.033	0.287	/
		Level2	Left Tilt	0	60	5300	-0.14	0.296	7.30	8.50	1.318	96.85	1.033	0.403	/
		Level2	Right Cheek	0	60	5300	0.05	0.089	7.30	8.50	1.318	96.85	1.033	0.121	/
		Level2	Right Tilt	0	60	5300	-0.02	0.094	7.30	8.50	1.318	96.85	1.033	0.128	/
5.6G	802.11a	Level1	Left Cheek	0	100	5500	-0.14	0.381	10.89	12.00	1.291	96.85	1.033	0.508	/
		Level1	Left Tilt	0	100	5500	-0.04	0.411	10.89	12.00	1.291	96.85	1.033	0.548	51#
		Level1	Right Cheek	0	100	5500	-0.19	0.158	10.89	12.00	1.291	96.85	1.033	0.211	/
		Level1	Right Tilt	0	100	5500	-0.12	0.175	10.89	12.00	1.291	96.85	1.033	0.233	/
5.6G	802.11a	Level2	Left Cheek	0	100	5500	0.01	0.178	7.45	8.50	1.274	96.85	1.033	0.234	/
		Level2	Left Tilt	0	100	5500	0.18	0.195	7.45	8.50	1.274	96.85	1.033	0.256	/
		Level2	Right Cheek	0	100	5500	-0.07	0.077	7.45	8.50	1.274	96.85	1.033	0.101	/
		Level2	Right Tilt	0	100	5500	0.03	0.086	7.45	8.50	1.274	96.85	1.033	0.113	/
5.8G	802.11ac 80	Level1	Left Cheek	0	155	5775	0.08	0.206	9.38	10.50	1.294	87.92	1.137	0.303	/
		Level1	Left Tilt	0	155	5775	-0.01	0.270	9.38	10.50	1.294	87.92	1.137	0.397	52#
		Level1	Right Cheek	0	155	5775	-0.01	0.141	9.38	10.50	1.294	87.92	1.137	0.208	/
		Level1	Right Tilt	0	155	5775	0.12	0.175	9.38	10.50	1.294	87.92	1.137	0.258	/
5.8G	802.11ac 80	Level2	Left Cheek	0	155	5775	-0.05	0.152	7.91	9.00	1.285	87.92	1.137	0.222	/
		Level2	Left Tilt	0	155	5775	0.07	0.199	7.91	9.00	1.285	87.92	1.137	0.291	/
		Level2	Right Cheek	0	155	5775	-0.12	0.112	7.91	9.00	1.285	87.92	1.137	0.164	/
		Level2	Right Tilt	0	155	5775	0.06	0.132	7.91	9.00	1.285	87.92	1.137	0.193	/
Body-worn Accessory															
5.3G	802.11a	Level3	Front Side	15	60	5300	-0.14	0.321	18.78	20.00	1.324	96.85	1.033	0.439	/
		Level3	Back Side	15	60	5300	0.00	0.420	18.78	20.00	1.324	96.85	1.033	0.574	53#
5.6G	802.11a	Level3	Front Side	15	116	5580	-0.10	0.182	18.60	20.00	1.380	96.85	1.033	0.259	/
		Level3	Back Side	15	116	5580	-0.01	0.252	18.60	20.00	1.380	96.85	1.033	0.359	54#
5.8G	802.11a	Level3	Front Side	15	155	5775	-0.16	0.201	14.84	16.00	1.306	87.92	1.137	0.299	55#
		Level3	Back Side	15	155	5775	-0.08	0.176	14.84	16.00	1.306	87.92	1.137	0.261	/
Hotspot															
5.2G	802.11a	Level4	Front Side	10	48	5240	-0.01	0.079	10.82	12.00	1.312	96.85	1.033	0.107	/
		Level4	Back Side	10	48	5240	-0.13	0.117	10.82	12.00	1.312	96.85	1.033	0.159	/
		Level4	Left Edge	10	48	5240	-0.05	0.098	10.82	12.00	1.312	96.85	1.033	0.133	/
		Level4	Top Edge	10	48	5240	0.19	0.163	10.82	12.00	1.312	96.85	1.033	0.221	56#
5.8G	802.11a	Level4	Front Side	10	155	5775	0.17	0.043	9.76	11.00	1.330	87.92	1.137	0.065	/

		Level4	Back Side	10	155	5775	-0.18	0.044	9.76	11.00	1.330	87.92	1.137	0.067	/
		Level4	Left Edge	10	155	5775	-0.08	0.051	9.76	11.00	1.330	87.92	1.137	0.077	/
		Level4	Top Edge	10	155	5775	-0.07	0.070	9.76	11.00	1.330	87.92	1.137	0.106	57#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Fre. Band	Mode	Power Reduct ion	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 0mm															
5.3G	802.11a	Level3	Front Side	0	60	5300	-0.06	0.920	18.78	20.00	1.324	96.85	1.033	1.258	/
		Level3	Back Side	0	60	5300	-0.15	0.713	18.78	20.00	1.324	96.85	1.033	0.975	/
		Level3	Left Edge	0	60	5300	-0.01	1.100	18.78	20.00	1.324	96.85	1.033	1.504	/
		Level3	Top Edge	0	60	5300	-0.07	1.290	18.78	20.00	1.324	96.85	1.033	1.764	58#
5.3G	802.11a	Level4	Front Side	0	60	5300	0.11	0.202	10.90	12.00	1.288	96.85	1.033	0.269	/
		Level4	Back Side	0	60	5300	0.07	0.222	10.90	12.00	1.288	96.85	1.033	0.295	/
		Level4	Left Edge	0	60	5300	0.05	0.244	10.90	12.00	1.288	96.85	1.033	0.325	/
		Level4	Top Edge	0	60	5300	0.04	0.255	10.90	12.00	1.288	96.85	1.033	0.339	/
5.6G	802.11a	Level3	Front Side	0	116	5580	-0.05	0.871	18.60	20.00	1.380	96.85	1.033	1.241	/
		Level3	Back Side	0	116	5580	-0.12	0.653	18.60	20.00	1.380	96.85	1.033	0.931	/
		Level3	Left Edge	0	116	5580	0.13	0.938	18.60	20.00	1.380	96.85	1.033	1.337	/
		Level3	Top Edge	0	116	5580	-0.14	1.150	18.60	20.00	1.380	96.85	1.033	1.639	59#
5.6G	802.11a	Level4	Front Side	0	116	5580	0.18	0.122	9.89	11.00	1.291	96.85	1.033	0.163	/
		Level4	Back Side	0	116	5580	-0.08	0.109	9.89	11.00	1.291	96.85	1.033	0.145	/
		Level4	Left Edge	0	116	5580	-0.15	0.132	9.89	11.00	1.291	96.85	1.033	0.176	/
		Level4	Top Edge	0	116	5580	-0.10	0.171	9.89	11.00	1.291	96.85	1.033	0.228	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.17 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	39	2441	0.10	0.272	12.21	13.00	1.199	76.8	1.302	0.425	60#
	Left Tilt	0	39	2441	0.18	0.164	12.21	13.00	1.199	76.8	1.302	0.256	/
	Right Cheek	0	39	2441	-0.12	0.105	12.21	13.00	1.199	76.8	1.302	0.164	/
	Right Tilt	0	39	2441	0.02	0.088	12.21	13.00	1.199	76.8	1.302	0.137	/
Body-worn Accessory													
DH5	Front Side	15	39	2441	-0.02	0.008	12.21	13.00	1.199	76.8	1.302	0.012	/
	Back Side	15	39	2441	0.06	0.011	12.21	13.00	1.199	76.8	1.302	0.017	61#
Hotspot													
DH5	Front Side	10	39	2441	0.15	0.019	12.21	13.00	1.199	76.8	1.302	0.030	/
	Back Side	10	39	2441	0.07	0.028	12.21	13.00	1.199	76.8	1.302	0.044	62#
	Left Edge	10	39	2441	-0.09	0.013	12.21	13.00	1.199	76.8	1.302	0.020	/
	Right Edge	10	39	2441	0.15	0.006	12.21	13.00	1.199	76.8	1.302	0.009	/
	Top Edge	10	39	2441	0.12	0.023	12.21	13.00	1.199	76.8	1.302	0.036	/
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 ^{1st} Measured SAR (W/kg)	Largest to Smallest SAR Ratio
1880	GSM 1900	Head	Right Tilt	0.903	Yes	0.885	1.02
1720	LTE band 66	Head	Right Cheek	1.080	Yes	1.058	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 $1.764 < 2.0$ 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	Specific
1	GSM + 2.4G WIFI	Yes	Yes	Yes	/
2	GSM + 5G WIFI + Bluetooth	Yes	Yes	Yes	/
3	WCDMA + 2.4G WIFI	Yes	Yes	Yes	/
4	WCDMA + 5G WIFI + Bluetooth	Yes	Yes	Yes	/
5	LTE + 2.4G WIFI	Yes	Yes	Yes	/
6	LTE + 5G WIFI + Bluetooth	Yes	Yes	Yes	/
7	GSM + 5G WIFI	/	/	/	Yes
8	WCDMA + 5G WIFI	/	/	/	Yes
9	LTE + 5G WIFI	/	/	/	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 Estimated SAR Calculation

According to KDB 447498 D01, when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR was estimated according to following formula to result in substantially conservative SAR values of ≤ 0.4 W/kg to determine simultaneous transmission SAR test exclusion.

$$\text{Estimated SAR} = \frac{\text{Max.Tune Up Power(mw)}}{\text{Min Test Separation Distance}} * \frac{\sqrt{f_{\text{GHz}}}}{x} \quad (\text{where } x = 7.5 \text{ for 1-g SAR})$$

If the minimum test separation distance is < 5 mm, a distance of 5 mm is used for estimated SAR calculation. When the test separation distance is > 50 mm, the 0.4 W/kg is used for SAR-1g.

Band	Antenna	Position	Antenna To user (mm)	SAR Testing	Estimated SAR (W/kg)
Bluetooth	Ant1	Right Edge	> 50	NO	0.400
		Bottom Edge	> 50	NO	0.400
WLAN	Ant1	Right Edge	> 50	NO	0.400
		Bottom Edge	> 50	NO	0.400

12.3 Sum SAR of Simultaneous Transmission

12.3.1 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4	Sum SAR (1+2)	Sum SAR (1+3+4)
			WWAN	2.4GWIFI	MAX.5GWIFI	Bluetooth		
GSM850	Ant.2	Left Cheek	0.175	0.627	0.287	0.425	0.802	0.887
	Ant.2	Left Tilt	0.174	0.575	0.403	0.256	0.749	0.833
	Ant.2	Right Cheek	0.188	0.224	0.164	0.164	0.411	0.515
	Ant.2	Right Tilt	0.172	0.247	0.193	0.137	0.419	0.502
GSM850	Ant.3	Left Cheek	0.165	0.627	0.287	0.425	0.792	0.877
	Ant.3	Left Tilt	0.146	0.575	0.403	0.256	0.721	0.806
	Ant.3	Right Cheek	0.178	0.224	0.164	0.164	0.401	0.506
	Ant.3	Right Tilt	0.154	0.247	0.193	0.137	0.401	0.484
GSM 1900	Ant.2	Left Cheek	0.679	0.627	0.287	0.425	1.306	1.391
	Ant.2	Left Tilt	0.811	0.575	0.403	0.256	1.386	1.470
	Ant.2	Right Cheek	1.097	0.224	0.164	0.164	1.320	1.424
	Ant.2	Right Tilt	1.103	0.247	0.193	0.137	1.350	1.434
GSM 1900	Ant.3	Left Cheek	0.094	0.627	0.287	0.425	0.721	0.806
	Ant.3	Left Tilt	0.051	0.575	0.403	0.256	0.625	0.710
	Ant.3	Right Cheek	0.063	0.224	0.164	0.164	0.287	0.391
	Ant.3	Right Tilt	0.054	0.247	0.193	0.137	0.301	0.384
WCDMA B2	Ant.2	Left Cheek	0.458	0.627	0.287	0.425	1.085	1.170
	Ant.2	Left Tilt	0.463	0.575	0.403	0.256	1.038	1.122
	Ant.2	Right Cheek	0.552	0.224	0.164	0.164	0.775	0.880
	Ant.2	Right Tilt	0.724	0.247	0.193	0.137	0.971	1.054
WCDMA B2	Ant.3	Left Cheek	0.145	0.627	0.287	0.425	0.772	0.857
	Ant.3	Left Tilt	0.077	0.575	0.403	0.256	0.652	0.736
	Ant.3	Right Cheek	0.100	0.224	0.164	0.164	0.323	0.427
	Ant.3	Right Tilt	0.092	0.247	0.193	0.137	0.339	0.423
WCDMA B4	Ant.2	Left Cheek	0.363	0.627	0.287	0.425	0.990	1.075
	Ant.2	Left Tilt	0.441	0.575	0.403	0.256	1.016	1.100
	Ant.2	Right Cheek	0.572	0.224	0.164	0.164	0.795	0.899
	Ant.2	Right Tilt	0.585	0.247	0.193	0.137	0.832	0.916
WCDMA B4	Ant.3	Left Cheek	0.104	0.627	0.287	0.425	0.731	0.816
	Ant.3	Left Tilt	0.055	0.575	0.403	0.256	0.629	0.714
	Ant.3	Right Cheek	0.097	0.224	0.164	0.164	0.321	0.425
	Ant.3	Right Tilt	0.063	0.247	0.193	0.137	0.310	0.393
WCDMA B5	Ant.2	Left Cheek	0.241	0.627	0.287	0.425	0.868	0.953
	Ant.2	Left Tilt	0.194	0.575	0.403	0.256	0.769	0.853
	Ant.2	Right Cheek	0.269	0.224	0.164	0.164	0.492	0.596
	Ant.2	Right Tilt	0.224	0.247	0.193	0.137	0.471	0.555
WCDMA B5	Ant.3	Left Cheek	0.207	0.627	0.287	0.425	0.834	0.919

	Ant.3	Left Tilt	0.117	0.575	0.403	0.256	0.692	0.776
	Ant.3	Right Cheek	0.187	0.224	0.164	0.164	0.411	0.515
	Ant.3	Right Tilt	0.107	0.247	0.193	0.137	0.354	0.438
LTE B2	Ant.2	Left Cheek	0.373	0.627	0.287	0.425	1.000	1.085
	Ant.2	Left Tilt	0.435	0.575	0.403	0.256	1.010	1.094
	Ant.2	Right Cheek	0.587	0.224	0.164	0.164	0.810	0.914
	Ant.2	Right Tilt	0.621	0.247	0.193	0.137	0.868	0.952
LTE B2	Ant.3	Left Cheek	0.140	0.627	0.287	0.425	0.767	0.852
	Ant.3	Left Tilt	0.065	0.575	0.403	0.256	0.640	0.724
	Ant.3	Right Cheek	0.092	0.224	0.164	0.164	0.316	0.420
	Ant.3	Right Tilt	0.075	0.247	0.193	0.137	0.322	0.405
LTE B4	Ant.2	Left Cheek	0.485	0.627	0.287	0.425	1.112	1.197
	Ant.2	Left Tilt	0.528	0.575	0.403	0.256	1.103	1.187
	Ant.2	Right Cheek	0.620	0.224	0.164	0.164	0.844	0.948
	Ant.2	Right Tilt	0.632	0.247	0.193	0.137	0.879	0.962
LTE B4	Ant.3	Left Cheek	0.105	0.627	0.287	0.425	0.732	0.817
	Ant.3	Left Tilt	0.027	0.575	0.403	0.256	0.602	0.686
	Ant.3	Right Cheek	0.062	0.224	0.164	0.164	0.286	0.390
	Ant.3	Right Tilt	0.026	0.247	0.193	0.137	0.273	0.357
LTE B5	Ant.2	Left Cheek	0.454	0.627	0.287	0.425	1.081	1.166
	Ant.2	Left Tilt	0.308	0.575	0.403	0.256	0.883	0.967
	Ant.2	Right Cheek	0.545	0.224	0.164	0.164	0.769	0.873
	Ant.2	Right Tilt	0.534	0.247	0.193	0.137	0.780	0.864
LTE B5	Ant.3	Left Cheek	0.206	0.627	0.287	0.425	0.833	0.918
	Ant.3	Left Tilt	0.124	0.575	0.403	0.256	0.699	0.783
	Ant.3	Right Cheek	0.174	0.224	0.164	0.164	0.398	0.502
	Ant.3	Right Tilt	0.104	0.247	0.193	0.137	0.351	0.434
LTE B7	Ant.2	Left Cheek	0.158	0.627	0.287	0.425	0.785	0.870
	Ant.2	Left Tilt	0.187	0.575	0.403	0.256	0.761	0.846
	Ant.2	Right Cheek	0.491	0.224	0.164	0.164	0.715	0.819
	Ant.2	Right Tilt	0.514	0.247	0.193	0.137	0.761	0.844
LTE B7	Ant.3	Left Cheek	0.211	0.627	0.287	0.425	0.838	0.923
	Ant.3	Left Tilt	0.138	0.575	0.403	0.256	0.713	0.797
	Ant.3	Right Cheek	0.318	0.224	0.164	0.164	0.542	0.646
	Ant.3	Right Tilt	0.163	0.247	0.193	0.137	0.410	0.493
LTE B12	Ant.2	Left Cheek	0.053	0.627	0.287	0.425	0.680	0.765
	Ant.2	Left Tilt	0.051	0.575	0.403	0.256	0.626	0.710
	Ant.2	Right Cheek	0.082	0.224	0.164	0.164	0.306	0.410
	Ant.2	Right Tilt	0.069	0.247	0.193	0.137	0.316	0.399
LTE B12	Ant.3	Left Cheek	0.073	0.627	0.287	0.425	0.700	0.785
	Ant.3	Left Tilt	0.055	0.575	0.403	0.256	0.630	0.714
	Ant.3	Right Cheek	0.079	0.224	0.164	0.164	0.302	0.406
	Ant.3	Right Tilt	0.045	0.247	0.193	0.137	0.292	0.375
LTE B26	Ant.2	Left Cheek	0.289	0.627	0.287	0.425	0.916	1.001
	Ant.2	Left Tilt	0.236	0.575	0.403	0.256	0.811	0.895

	Ant.2	Right Cheek	0.358	0.224	0.164	0.164	0.581	0.685
	Ant.2	Right Tilt	0.298	0.247	0.193	0.137	0.545	0.629
LTE B26	Ant.3	Left Cheek	0.152	0.627	0.287	0.425	0.779	0.864
	Ant.3	Left Tilt	0.084	0.575	0.403	0.256	0.659	0.743
	Ant.3	Right Cheek	0.139	0.224	0.164	0.164	0.363	0.467
	Ant.3	Right Tilt	0.081	0.247	0.193	0.137	0.328	0.412
LTE B66	Ant.2	Left Cheek	0.599	0.627	0.287	0.425	1.226	1.311
	Ant.2	Left Tilt	0.747	0.575	0.403	0.256	1.322	1.406
	Ant.2	Right Cheek	0.929	0.224	0.164	0.164	1.153	1.257
	Ant.2	Right Tilt	0.876	0.247	0.193	0.137	1.123	1.206
LTE B66	Ant.3	Left Cheek	0.138	0.627	0.287	0.425	0.765	0.850
	Ant.3	Left Tilt	0.058	0.575	0.403	0.256	0.633	0.717
	Ant.3	Right Cheek	0.090	0.224	0.164	0.164	0.313	0.418
	Ant.3	Right Tilt	0.076	0.247	0.193	0.137	0.323	0.407
LTE B38	Ant.2	Left Cheek	0.238	0.627	0.287	0.425	0.865	0.950
	Ant.2	Left Tilt	0.229	0.575	0.403	0.256	0.804	0.888
	Ant.2	Right Cheek	0.521	0.224	0.164	0.164	0.745	0.849
	Ant.2	Right Tilt	0.485	0.247	0.193	0.137	0.732	0.815
LTE B38	Ant.3	Left Cheek	0.176	0.627	0.287	0.425	0.803	0.888
	Ant.3	Left Tilt	0.154	0.575	0.403	0.256	0.729	0.813
	Ant.3	Right Cheek	0.325	0.224	0.164	0.164	0.549	0.653
	Ant.3	Right Tilt	0.138	0.247	0.193	0.137	0.385	0.469
LTE B41	Ant.2	Left Cheek	0.207	0.627	0.287	0.425	0.834	0.919
	Ant.2	Left Tilt	0.196	0.575	0.403	0.256	0.771	0.855
	Ant.2	Right Cheek	0.492	0.224	0.164	0.164	0.716	0.820
	Ant.2	Right Tilt	0.485	0.247	0.193	0.137	0.731	0.815
LTE B41	Ant.3	Left Cheek	0.150	0.627	0.287	0.425	0.777	0.862
	Ant.3	Left Tilt	0.114	0.575	0.403	0.256	0.689	0.773
	Ant.3	Right Cheek	0.242	0.224	0.164	0.164	0.465	0.569
	Ant.3	Right Tilt	0.121	0.247	0.193	0.137	0.368	0.452

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 1.470 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.3.2 Body-worn Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4	Sum SAR (1+2)	Sum SAR (1+3+4)
			WWAN	2.4GWIFI	MAX.5GWIFI	Bluetooth		
GSM850	Ant.2	Front Side 15mm	0.071	0.015	0.439	0.012	0.086	0.523
	Ant.2	Back Side 15mm	0.080	0.025	0.574	0.017	0.105	0.671
GSM850	Ant.3	Front Side 15mm	0.151	0.015	0.439	0.012	0.166	0.603
	Ant.3	Back Side 15mm	0.208	0.025	0.574	0.017	0.233	0.800
GSM1900	Ant.2	Front Side 15mm	0.180	0.015	0.439	0.012	0.195	0.631
	Ant.2	Back Side 15mm	0.421	0.025	0.574	0.017	0.446	1.012
GSM1900	Ant.3	Front Side 15mm	0.102	0.015	0.439	0.012	0.117	0.553
	Ant.3	Back Side 15mm	0.155	0.025	0.574	0.017	0.180	0.747
WCDMA B2	Ant.2	Front Side 15mm	0.213	0.015	0.439	0.012	0.228	0.664
	Ant.2	Back Side 15mm	0.235	0.025	0.574	0.017	0.260	0.827
WCDMA B2	Ant.3	Front Side 15mm	0.149	0.015	0.439	0.012	0.164	0.601
	Ant.3	Back Side 15mm	0.221	0.025	0.574	0.017	0.246	0.813
WCDMA B4	Ant.2	Front Side 15mm	0.125	0.015	0.439	0.012	0.140	0.576
	Ant.2	Back Side 15mm	0.167	0.025	0.574	0.017	0.192	0.759
WCDMA B4	Ant.3	Front Side 15mm	0.113	0.015	0.439	0.012	0.128	0.565
	Ant.3	Back Side 15mm	0.239	0.025	0.574	0.017	0.264	0.831
WCDMA B5	Ant.2	Front Side 15mm	0.095	0.015	0.439	0.012	0.110	0.546
	Ant.2	Back Side 15mm	0.113	0.025	0.574	0.017	0.138	0.705
WCDMA B5	Ant.3	Front Side 15mm	0.128	0.015	0.439	0.012	0.143	0.580
	Ant.3	Back Side 15mm	0.149	0.025	0.574	0.017	0.174	0.741
LTE B2	Ant.2	Front Side 15mm	0.194	0.015	0.439	0.012	0.210	0.646
	Ant.2	Back Side 15mm	0.330	0.025	0.574	0.017	0.355	0.922
LTE B2	Ant.3	Front Side 15mm	0.129	0.015	0.439	0.012	0.144	0.581
	Ant.3	Back Side 15mm	0.194	0.025	0.574	0.017	0.220	0.786
LTE B4	Ant.2	Front Side 15mm	0.172	0.015	0.439	0.012	0.187	0.623
	Ant.2	Back Side 15mm	0.230	0.025	0.574	0.017	0.255	0.822
LTE B4	Ant.3	Front Side 15mm	0.112	0.015	0.439	0.012	0.127	0.564
	Ant.3	Back Side 15mm	0.190	0.025	0.574	0.017	0.215	0.781
LTE B5	Ant.2	Front Side 15mm	0.058	0.015	0.439	0.012	0.073	0.510
	Ant.2	Back Side 15mm	0.066	0.025	0.574	0.017	0.091	0.658
LTE B5	Ant.3	Front Side 15mm	0.148	0.015	0.439	0.012	0.163	0.599
	Ant.3	Back Side 15mm	0.150	0.025	0.574	0.017	0.175	0.741
LTE B7	Ant.2	Front Side 15mm	0.081	0.015	0.439	0.012	0.097	0.533
	Ant.2	Back Side 15mm	0.149	0.025	0.574	0.017	0.174	0.741
LTE B7	Ant.3	Front Side 15mm	0.148	0.015	0.439	0.012	0.163	0.600
	Ant.3	Back Side 15mm	0.171	0.025	0.574	0.017	0.196	0.763
LTE B12	Ant.2	Front Side 15mm	0.040	0.015	0.439	0.012	0.055	0.491
	Ant.2	Back Side 15mm	0.073	0.025	0.574	0.017	0.098	0.664
LTE B12	Ant.3	Front Side 15mm	0.115	0.015	0.439	0.012	0.130	0.566

	Ant.3	Back Side 15mm	0.130	0.025	0.574	0.017	0.155	0.722
LTE B26	Ant.2	Front Side 15mm	0.041	0.015	0.439	0.012	0.056	0.493
	Ant.2	Back Side 15mm	0.058	0.025	0.574	0.017	0.083	0.650
LTE B26	Ant.3	Front Side 15mm	0.108	0.015	0.439	0.012	0.124	0.560
	Ant.3	Back Side 15mm	0.115	0.025	0.574	0.017	0.140	0.707
LTE B66	Ant.2	Front Side 15mm	0.160	0.015	0.439	0.012	0.175	0.611
	Ant.2	Back Side 15mm	0.141	0.025	0.574	0.017	0.166	0.733
LTE B66	Ant.3	Front Side 15mm	0.143	0.015	0.439	0.012	0.158	0.595
	Ant.3	Back Side 15mm	0.173	0.025	0.574	0.017	0.198	0.765
LTE B38	Ant.2	Front Side 15mm	0.082	0.015	0.439	0.012	0.097	0.533
	Ant.2	Back Side 15mm	0.139	0.025	0.574	0.017	0.164	0.731
LTE B38	Ant.3	Front Side 15mm	0.088	0.015	0.439	0.012	0.103	0.539
	Ant.3	Back Side 15mm	0.194	0.025	0.574	0.017	0.219	0.786
LTE B41	Ant.2	Front Side 15mm	0.091	0.015	0.439	0.012	0.107	0.543
	Ant.2	Back Side 15mm	0.143	0.025	0.574	0.017	0.168	0.734
LTE B41	Ant.3	Front Side 15mm	0.152	0.015	0.439	0.012	0.167	0.603
	Ant.3	Back Side 15mm	0.252	0.025	0.574	0.017	0.277	0.844

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 1.012 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.3.3 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4	Sum SAR (1+2)	Sum SAR (1+3+4)
			WWAN	2.4GWIFI	MAX.5GWIFI	Bluetooth		
GSM850	Ant.2	Front Side 10mm	0.115	0.093	0.106	0.036	0.208	0.257
	Ant.2	Back Side 10mm	0.165	0.110	0.157	0.030	0.275	0.352
	Ant.2	Right Edge 10mm	0.067	0.400	0.400	0.400	0.467	0.867
	Ant.2	Top Edge 10mm	0.148	0.096	0.219	0.036	0.244	0.403
GSM850	Ant.3	Front Side 10mm	0.182	0.093	0.106	0.030	0.275	0.318
	Ant.3	Back Side 10mm	0.252	0.110	0.157	0.044	0.362	0.454
	Ant.3	Left Edge 10mm	0.126	0.088	0.132	0.020	0.214	0.278
	Ant.3	Right Edge 10mm	0.189	0.400	0.400	0.400	0.589	0.989
	Ant.3	Bottom Edge 10mm	0.174	0.400	0.400	0.400	0.574	0.974
GSM1900	Ant.2	Front Side 10mm	0.338	0.093	0.106	0.036	0.431	0.480
	Ant.2	Back Side 10mm	0.479	0.110	0.157	0.030	0.589	0.667
	Ant.2	Right Edge 10mm	0.077	0.400	0.400	0.400	0.477	0.877
	Ant.2	Top Edge 10mm	0.772	0.096	0.219	0.036	0.868	1.027
GSM1900	Ant.3	Front Side 10mm	0.163	0.093	0.106	0.030	0.256	0.299
	Ant.3	Back Side 10mm	0.271	0.110	0.157	0.044	0.381	0.472
	Ant.3	Left Edge 10mm	0.065	0.088	0.132	0.020	0.153	0.217
	Ant.3	Right Edge 10mm	0.009	0.400	0.400	0.400	0.409	0.809
	Ant.3	Bottom Edge 10mm	0.357	0.400	0.400	0.400	0.757	1.157
WCDMA B2	Ant.2	Front Side 10mm	0.397	0.093	0.106	0.036	0.490	0.539
	Ant.2	Back Side 10mm	0.591	0.110	0.157	0.030	0.701	0.778
	Ant.2	Right Edge 10mm	0.100	0.400	0.400	0.400	0.500	0.900
	Ant.2	Top Edge 10mm	0.822	0.096	0.219	0.036	0.918	1.078
WCDMA B2	Ant.3	Front Side 10mm	0.256	0.093	0.106	0.030	0.349	0.392
	Ant.3	Back Side 10mm	0.392	0.110	0.157	0.044	0.502	0.594
	Ant.3	Left Edge 10mm	0.062	0.088	0.132	0.020	0.150	0.214
	Ant.3	Right Edge 10mm	0.092	0.400	0.400	0.400	0.492	0.892
	Ant.3	Bottom Edge 10mm	0.505	0.400	0.400	0.400	0.905	1.305
WCDMA B4	Ant.2	Front Side 10mm	0.246	0.093	0.106	0.036	0.339	0.388
	Ant.2	Back Side 10mm	0.323	0.110	0.157	0.030	0.433	0.510
	Ant.2	Right Edge 10mm	0.057	0.400	0.400	0.400	0.457	0.857
	Ant.2	Top Edge 10mm	0.515	0.096	0.219	0.036	0.611	0.771
WCDMA B4	Ant.3	Front Side 10mm	0.183	0.093	0.106	0.030	0.276	0.319
	Ant.3	Back Side 10mm	0.332	0.110	0.157	0.044	0.442	0.533
	Ant.3	Left Edge 10mm	0.061	0.088	0.132	0.020	0.149	0.213
	Ant.3	Right Edge 10mm	0.010	0.400	0.400	0.400	0.410	0.810
	Ant.3	Bottom Edge 10mm	0.450	0.400	0.400	0.400	0.850	1.250
WCDMA B5	Ant.2	Front Side 10mm	0.081	0.093	0.106	0.036	0.174	0.223
	Ant.2	Back Side 10mm	0.114	0.110	0.157	0.030	0.224	0.301
	Ant.2	Right Edge 10mm	0.011	0.400	0.400	0.400	0.411	0.811

	Ant.2	Top Edge 10mm	0.077	0.096	0.219	0.036	0.173	0.332
WCDMA B5	Ant.3	Front Side 10mm	0.198	0.093	0.106	0.030	0.291	0.334
	Ant.3	Back Side 10mm	0.296	0.110	0.157	0.044	0.406	0.497
	Ant.3	Left Edge 10mm	0.123	0.088	0.132	0.020	0.211	0.275
	Ant.3	Right Edge 10mm	0.220	0.400	0.400	0.400	0.620	1.020
	Ant.3	Bottom Edge 10mm	0.212	0.400	0.400	0.400	0.612	1.012
LTE B2	Ant.2	Front Side 10mm	0.352	0.093	0.106	0.036	0.445	0.494
	Ant.2	Back Side 10mm	0.516	0.110	0.157	0.030	0.626	0.703
	Ant.2	Right Edge 10mm	0.099	0.400	0.400	0.400	0.499	0.899
	Ant.2	Top Edge 10mm	0.734	0.096	0.219	0.036	0.830	0.990
LTE B2	Ant.3	Front Side 10mm	0.223	0.093	0.106	0.030	0.316	0.359
	Ant.3	Back Side 10mm	0.353	0.110	0.157	0.044	0.463	0.554
	Ant.3	Left Edge 10mm	0.087	0.088	0.132	0.020	0.175	0.239
	Ant.3	Right Edge 10mm	0.056	0.400	0.400	0.400	0.456	0.856
	Ant.3	Bottom Edge 10mm	0.464	0.400	0.400	0.400	0.864	1.264
LTE B4	Ant.2	Front Side 10mm	0.247	0.093	0.106	0.036	0.340	0.389
	Ant.2	Back Side 10mm	0.318	0.110	0.157	0.030	0.428	0.505
	Ant.2	Right Edge 10mm	0.053	0.400	0.400	0.400	0.453	0.853
	Ant.2	Top Edge 10mm	0.499	0.096	0.219	0.036	0.595	0.754
LTE B4	Ant.3	Front Side 10mm	0.194	0.093	0.106	0.030	0.287	0.330
	Ant.3	Back Side 10mm	0.321	0.110	0.157	0.044	0.431	0.523
	Ant.3	Left Edge 10mm	0.066	0.088	0.132	0.020	0.154	0.218
	Ant.3	Right Edge 10mm	0.000	0.400	0.400	0.400	0.400	0.800
	Ant.3	Bottom Edge 10mm	0.436	0.400	0.400	0.400	0.836	1.236
LTE B5	Ant.2	Front Side 10mm	0.091	0.093	0.106	0.036	0.184	0.233
	Ant.2	Back Side 10mm	0.126	0.110	0.157	0.030	0.236	0.314
	Ant.2	Right Edge 10mm	0.000	0.400	0.400	0.400	0.400	0.800
	Ant.2	Top Edge 10mm	0.105	0.096	0.219	0.036	0.201	0.360
LTE B5	Ant.3	Front Side 10mm	0.182	0.093	0.106	0.030	0.275	0.318
	Ant.3	Back Side 10mm	0.235	0.110	0.157	0.044	0.345	0.437
	Ant.3	Left Edge 10mm	0.107	0.088	0.132	0.020	0.195	0.260
	Ant.3	Right Edge 10mm	0.232	0.400	0.400	0.400	0.632	1.032
	Ant.3	Bottom Edge 10mm	0.166	0.400	0.400	0.400	0.566	0.966
LTE B7	Ant.2	Front Side 10mm	0.101	0.093	0.106	0.036	0.194	0.244
	Ant.2	Back Side 10mm	0.184	0.110	0.157	0.030	0.294	0.372
	Ant.2	Right Edge 10mm	0.119	0.400	0.400	0.400	0.519	0.919
	Ant.2	Top Edge 10mm	0.121	0.096	0.219	0.036	0.217	0.376
LTE B7	Ant.3	Front Side 10mm	0.284	0.093	0.106	0.030	0.377	0.420
	Ant.3	Back Side 10mm	0.383	0.110	0.157	0.044	0.493	0.584
	Ant.3	Left Edge 10mm	0.219	0.088	0.132	0.020	0.307	0.371
	Ant.3	Right Edge 10mm	0.057	0.400	0.400	0.400	0.457	0.857
	Ant.3	Bottom Edge 10mm	0.378	0.400	0.400	0.400	0.778	1.178
LTE B12	Ant.2	Front Side 10mm	0.055	0.093	0.106	0.036	0.148	0.197
	Ant.2	Back Side 10mm	0.094	0.110	0.157	0.030	0.204	0.281
	Ant.2	Right Edge 10mm	0.031	0.400	0.400	0.400	0.431	0.831

	Ant.2	Top Edge 10mm	0.045	0.096	0.219	0.036	0.141	0.300
LTE B12	Ant.3	Front Side 10mm	0.115	0.093	0.106	0.030	0.208	0.251
	Ant.3	Back Side 10mm	0.131	0.110	0.157	0.044	0.241	0.332
	Ant.3	Left Edge 10mm	0.079	0.088	0.132	0.020	0.167	0.231
	Ant.3	Right Edge 10mm	0.161	0.400	0.400	0.400	0.561	0.961
	Ant.3	Bottom Edge 10mm	0.085	0.400	0.400	0.400	0.485	0.885
LTE B26	Ant.2	Front Side 10mm	0.058	0.093	0.106	0.036	0.151	0.200
	Ant.2	Back Side 10mm	0.083	0.110	0.157	0.030	0.193	0.270
	Ant.2	Right Edge 10mm	0.034	0.400	0.400	0.400	0.434	0.834
	Ant.2	Top Edge 10mm	0.057	0.096	0.219	0.036	0.153	0.312
LTE B26	Ant.3	Front Side 10mm	0.134	0.093	0.106	0.030	0.227	0.270
	Ant.3	Back Side 10mm	0.155	0.110	0.157	0.044	0.265	0.356
	Ant.3	Left Edge 10mm	0.088	0.088	0.132	0.020	0.176	0.240
	Ant.3	Right Edge 10mm	0.145	0.400	0.400	0.400	0.545	0.945
	Ant.3	Bottom Edge 10mm	0.121	0.400	0.400	0.400	0.521	0.921
LTE B66	Ant.2	Front Side 10mm	0.334	0.093	0.106	0.036	0.427	0.477
	Ant.2	Back Side 10mm	0.416	0.110	0.157	0.030	0.526	0.603
	Ant.2	Right Edge 10mm	0.079	0.400	0.400	0.400	0.479	0.879
	Ant.2	Top Edge 10mm	0.628	0.096	0.219	0.036	0.724	0.884
LTE B66	Ant.3	Front Side 10mm	0.267	0.093	0.106	0.030	0.360	0.403
	Ant.3	Back Side 10mm	0.417	0.110	0.157	0.044	0.527	0.618
	Ant.3	Left Edge 10mm	0.094	0.088	0.132	0.020	0.182	0.246
	Ant.3	Right Edge 10mm	0.031	0.400	0.400	0.400	0.431	0.831
	Ant.3	Bottom Edge 10mm	0.477	0.400	0.400	0.400	0.877	1.277
LTE B38	Ant.2	Front Side 10mm	0.188	0.093	0.106	0.036	0.281	0.330
	Ant.2	Back Side 10mm	0.338	0.110	0.157	0.030	0.448	0.525
	Ant.2	Right Edge 10mm	0.209	0.400	0.400	0.400	0.609	1.009
	Ant.2	Top Edge 10mm	0.137	0.096	0.219	0.036	0.233	0.392
LTE B38	Ant.3	Front Side 10mm	0.292	0.093	0.106	0.030	0.385	0.428
	Ant.3	Back Side 10mm	0.409	0.110	0.157	0.044	0.519	0.611
	Ant.3	Left Edge 10mm	0.223	0.088	0.132	0.020	0.311	0.376
	Ant.3	Right Edge 10mm	0.052	0.400	0.400	0.400	0.452	0.852
	Ant.3	Bottom Edge 10mm	0.392	0.400	0.400	0.400	0.792	1.192
LTE B41	Ant.2	Front Side 10mm	0.156	0.093	0.106	0.036	0.249	0.298
	Ant.2	Back Side 10mm	0.296	0.110	0.157	0.030	0.406	0.483
	Ant.2	Right Edge 10mm	0.184	0.400	0.400	0.400	0.584	0.984
	Ant.2	Top Edge 10mm	0.117	0.096	0.219	0.036	0.213	0.372
LTE B41	Ant.3	Front Side 10mm	0.299	0.093	0.106	0.030	0.392	0.435
	Ant.3	Back Side 10mm	0.521	0.110	0.157	0.044	0.631	0.722
	Ant.3	Left Edge 10mm	0.274	0.088	0.132	0.020	0.362	0.426
	Ant.3	Right Edge 10mm	0.066	0.400	0.400	0.400	0.466	0.866
	Ant.3	Bottom Edge 10mm	0.454	0.400	0.400	0.400	0.854	1.254

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 1.305 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.3.4 Specific Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR		SUM SAR
			1	2	
			WWAN	MAX.5GWIFI	Sum SAR (1+2)
GSM1900	Ant.2	Top Edge 0mm	1.220	1.760	2.980
WCDMA B2	Ant.2	Top Edge 0mm	1.516	1.760	3.276
LTE B2	Ant.2	Top Edge 0mm	1.412	1.760	3.172
LTE B66	Ant.2	Top Edge 0mm	1.645	1.760	3.405

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 3.405 W/Kg < 4.0 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
750MHz Validation Dipole	Speag	D750V3	SN: 1055	2021/02/19	2022/02/18
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	2021/02/16	2022/02/15
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
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	Speag	SAM	SN: 1859	N/A	N/A
Phantom2	Speag	SAM	SN: 1857	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	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2021.02.07	Head	750	21.3	0.92	42.27	0.89	41.94	3.37	0.79
2021.02.08	Head	835	21.1	0.91	42.10	0.90	41.50	1.11	1.45
2021.02.09	Head	835	21.2	0.91	42.20	0.90	41.50	1.11	1.69
2021.02.10	Head	835	21.3	0.89	40.43	0.90	41.50	-1.11	-2.58
2021.02.11	Head	835	21.4	0.92	41.10	0.90	41.50	2.22	-0.96
2021.02.12	Head	1750	21.8	1.37	40.62	1.37	40.08	0.00	1.35
2021.02.13	Head	1750	21.4	1.38	39.99	1.37	40.08	0.73	-0.22
2021.02.14	Head	1750	21.7	1.38	40.00	1.37	40.08	0.73	-0.20
2021.02.15	Head	1900	21.7	1.41	39.37	1.40	40.00	0.71	-1.58
2021.02.16	Head	1900	21.4	1.40	40.91	1.40	40.00	0.00	2.27
2021.02.17	Head	1900	21.3	1.39	39.98	1.40	40.00	-0.71	-0.05
2021.02.18	Head	2450	21.3	1.76	38.63	1.80	39.20	-2.22	-1.45
2021.02.19	Head	2600	21.3	1.95	37.64	1.96	39.01	-0.51	-3.51
2021.02.20	Head	2600	21.1	1.94	38.65	1.96	39.01	-1.02	-0.92
2021.02.21	Head	2600	21.2	1.97	38.15	1.96	39.01	0.51	-2.20
2021.02.22	Head	5300	21.4	4.78	36.51	4.76	35.87	0.42	1.78
2021.02.23	Head	5600	21.5	5.17	36.59	5.07	35.53	1.97	2.98
2021.02.24	Head	5800	21.4	5.37	35.38	5.27	35.30	1.90	0.23
Note: The tolerance limit of Conductivity and Permittivity is $\pm 5\%$.									

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2021.02.07	Head	750	100	0.849	8.49	8.55	-0.70
2021.02.08	Head	835	100	0.923	9.23	9.49	-2.74
2021.02.09	Head	835	100	0.945	9.45	9.49	-0.42
2021.02.10	Head	835	100	0.964	9.64	9.49	1.58
2021.02.11	Head	835	100	0.967	9.67	9.49	1.90
2021.02.12	Head	1750	100	3.640	36.40	36.80	-1.09
2021.02.13	Head	1750	100	3.660	36.60	36.80	-0.54
2021.02.14	Head	1750	100	3.670	36.70	36.80	-0.27
2021.02.15	Head	1900	100	3.880	38.80	39.40	-1.52
2021.02.16	Head	1900	100	3.920	39.20	39.40	-0.51
2021.02.17	Head	1900	100	4.010	40.10	39.40	1.78
2021.02.18	Head	2450	100	5.150	51.50	52.60	-2.09
2021.02.19	Head	2600	100	5.510	55.10	56.30	-2.13
2021.02.20	Head	2600	100	5.570	55.70	56.30	-1.07
2021.02.21	Head	2600	100	5.620	56.20	56.30	-0.18
2021.02.22	Head	5300	100	7.520	75.20	78.10	-3.71
2021.02.23	Head	5600	100	7.720	77.20	80.30	-3.86
2021.02.24	Head	5800	100	7.780	77.80	76.90	1.17

Note: The tolerance limit of System validation $\pm 10\%$.

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2021.02.14	Head	1750	100	1.990	19.90	19.80	0.51
2021.02.15	Head	1900	100	2.020	20.20	20.40	-0.98
2021.02.16	Head	1900	100	2.050	20.50	20.40	0.49
2021.02.17	Head	1900	100	2.080	20.80	20.40	1.96
2021.02.22	Head	5300	100	2.210	22.10	22.20	-0.45
2021.02.23	Head	5600	100	2.270	22.70	22.60	0.44

Note: The tolerance limit of System validation $\pm 10\%$.

System Performance Check Data (750MHz)

Date: 2021.02.07

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

Medium parameters used (extrapolated): $f = 750$ MHz; $\sigma = 0.918$ S/m; $\epsilon_r = 42.268$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.858 W/kg

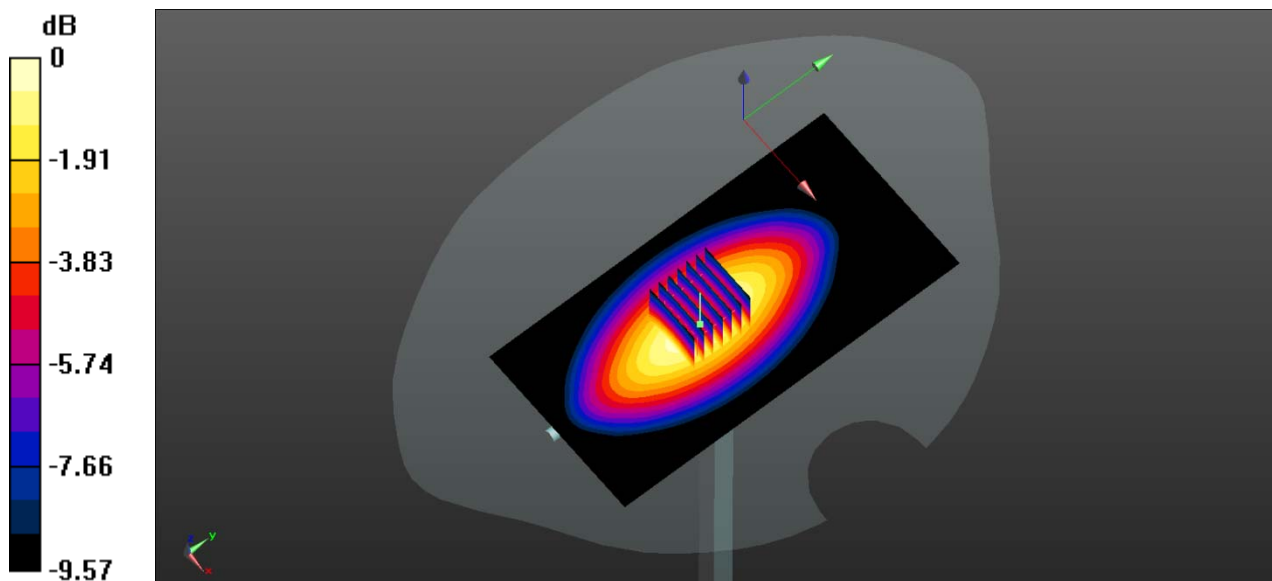
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 28.52 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.565 W/kg

Maximum value of SAR (measured) = 0.917 W/kg



0 dB = 0.917 W/kg

System Performance Check Data (835MHz)

Date: 2021.02.08

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.912$ S/m; $\epsilon_r = 42.101$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.1

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835 100mW HEAD/Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

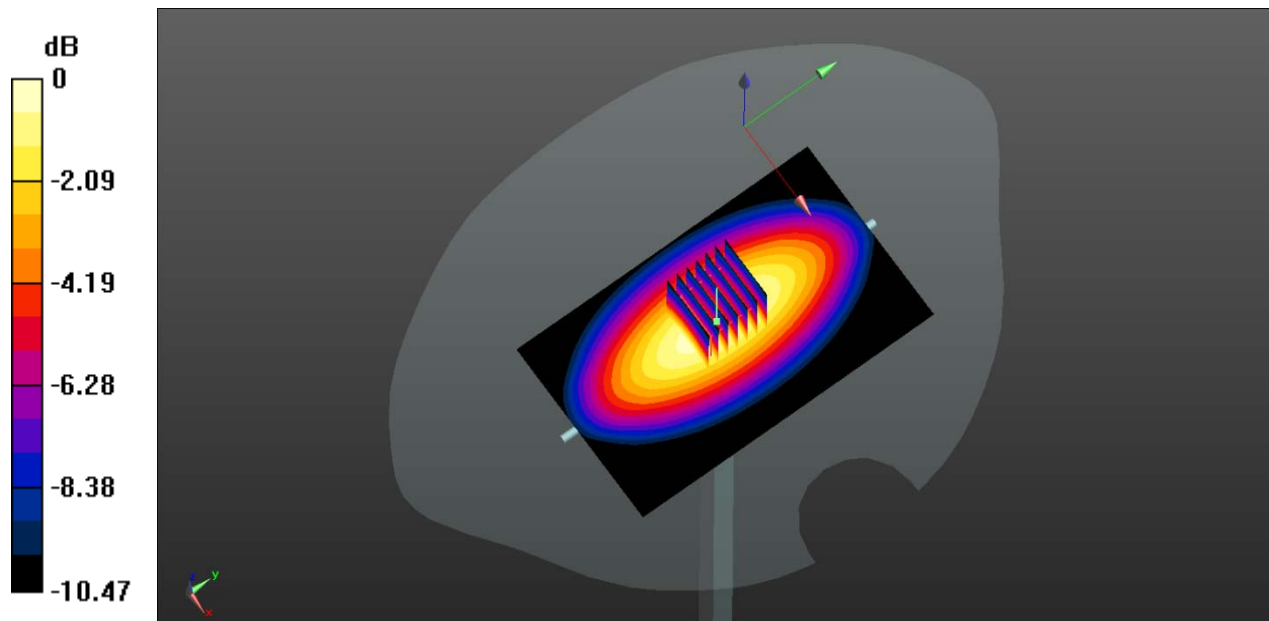
CW 835 100mW HEAD/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 33.18 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.923 W/kg; SAR(10 g) = 0.621 W/kg

Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg

System Performance Check Data (835MHz)

Date: 2021.02.09

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 42.198$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.2

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

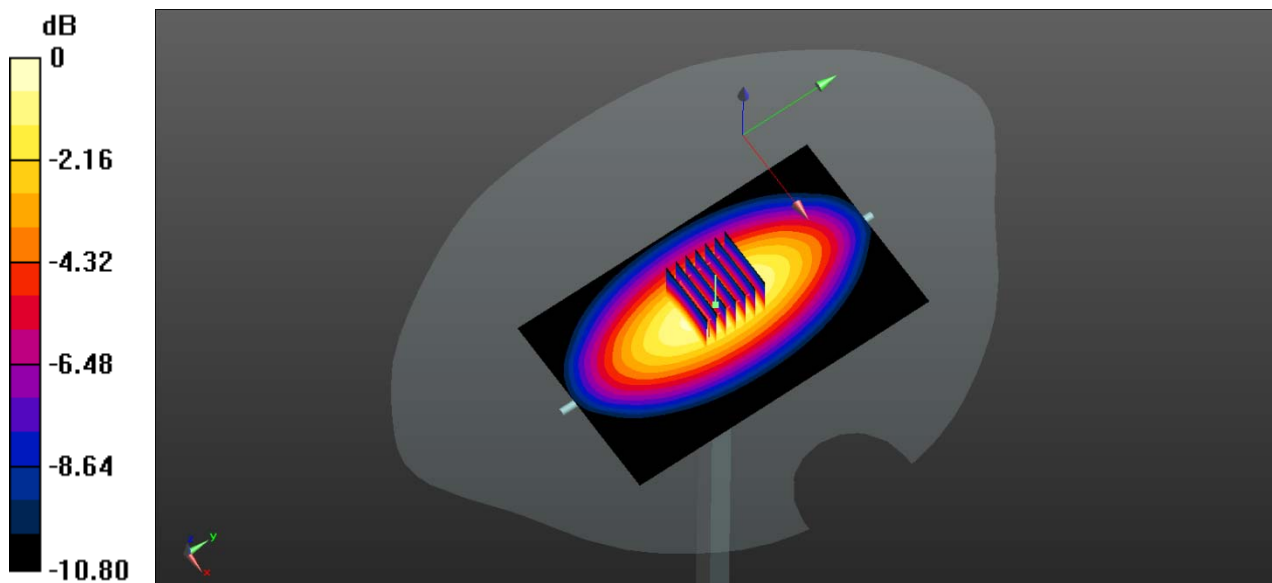
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.945 W/kg; SAR(10 g) = 0.623 W/kg

Maximum value of SAR (measured) = 0.998 W/kg



0 dB = 0.998 W/kg

System Performance Check Data (835MHz)

Date: 2021.02.10

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.893 \text{ S/m}$; $\epsilon_r = 40.433$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.981 W/kg

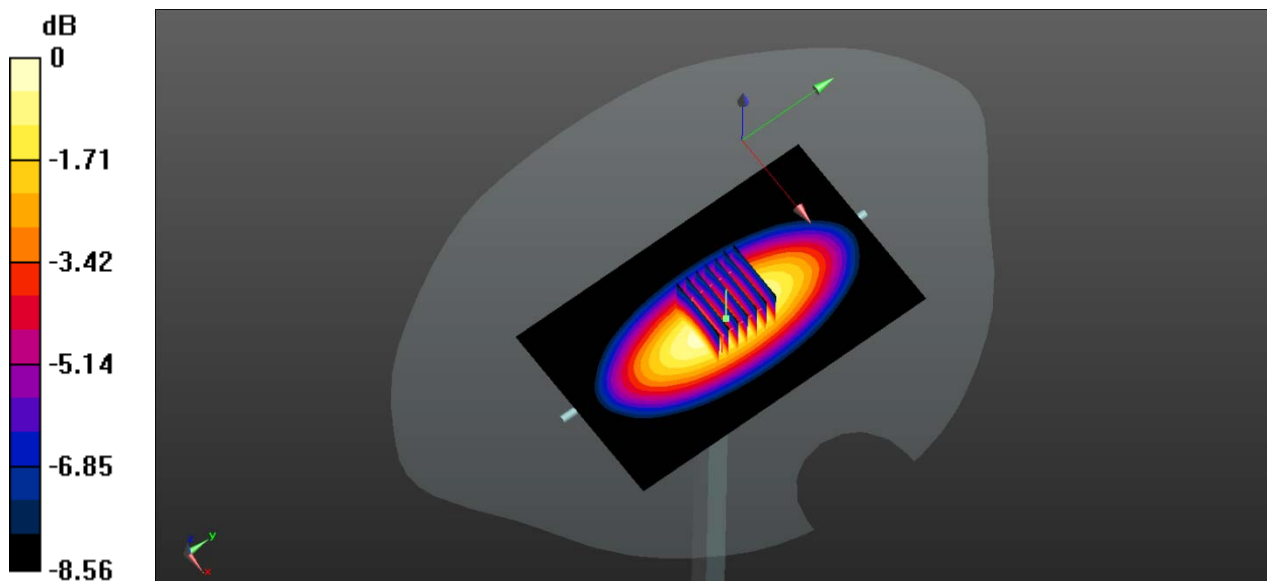
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.06 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.964 W/kg; SAR(10 g) = 0.634 W/kg

Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg

System Performance Check Data (835MHz)

Date: 2021.02.11

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.918$ S/m; $\epsilon_r = 41.098$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.990 W/kg

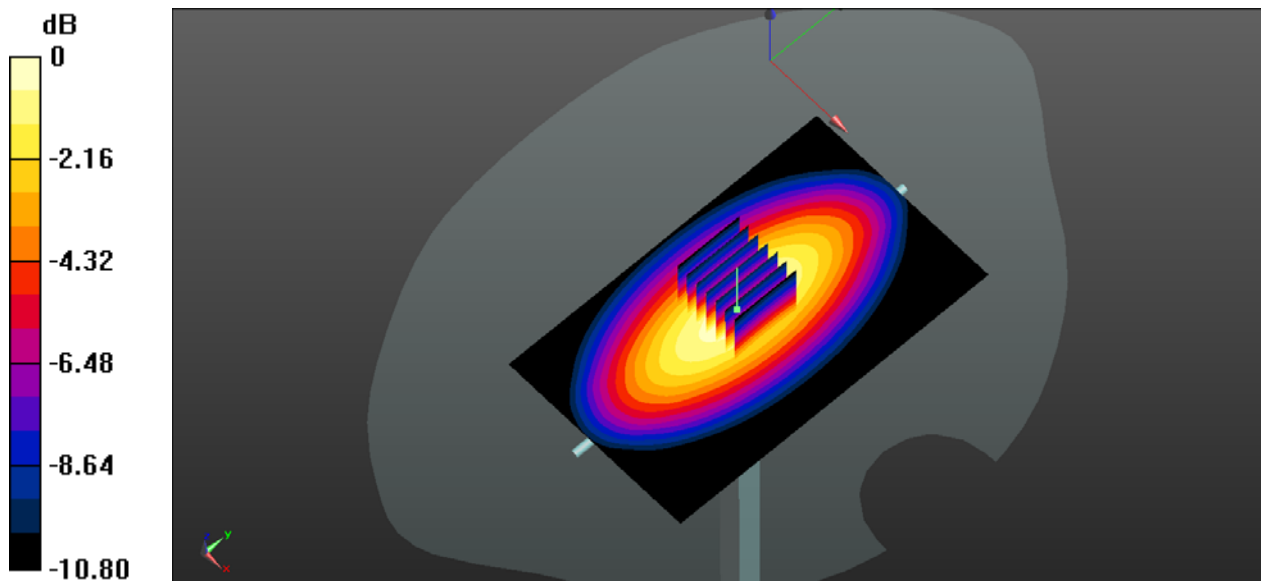
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.63 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.967 W/kg; SAR(10 g) = 0.637 W/kg

Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg

System Performance Check Data (1750MHz)

Date: 2021.02.12

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 40.622$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.8

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.03 W/kg

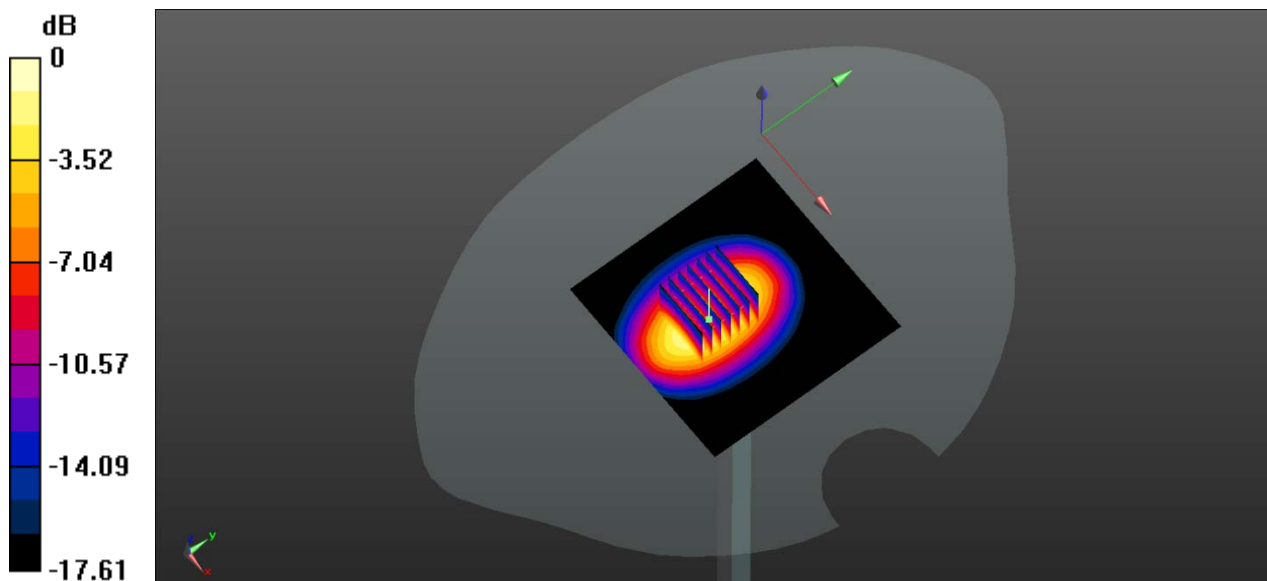
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.41 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 6.75 W/kg

SAR(1 g) = 3.64 W/kg; SAR(10 g) = 1.92 W/kg

Maximum value of SAR (measured) = 4.05 W/kg



0 dB = 4.05 W/kg

System Performance Check Data (1750MHz)

Date: 2021.02.13

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 39.991$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

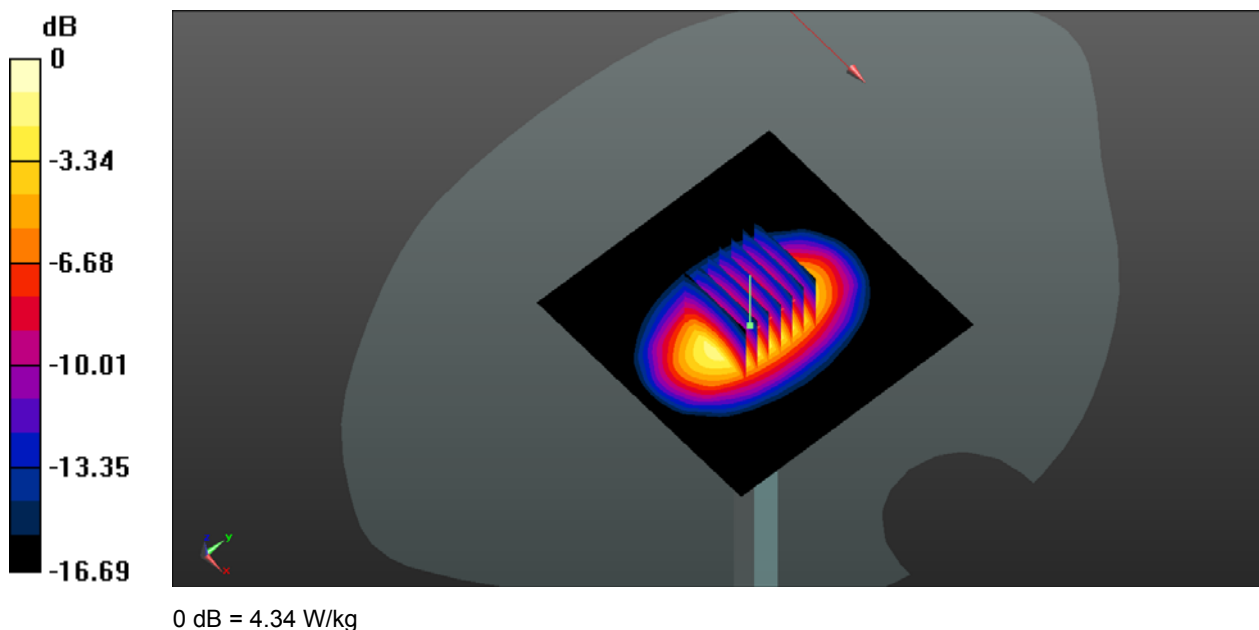
CW1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 54.81 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.04 W/kg

SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.95 W/kg

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



System Performance Check Data (1750MHz)

Date: 2021.02.14

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 39.991$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

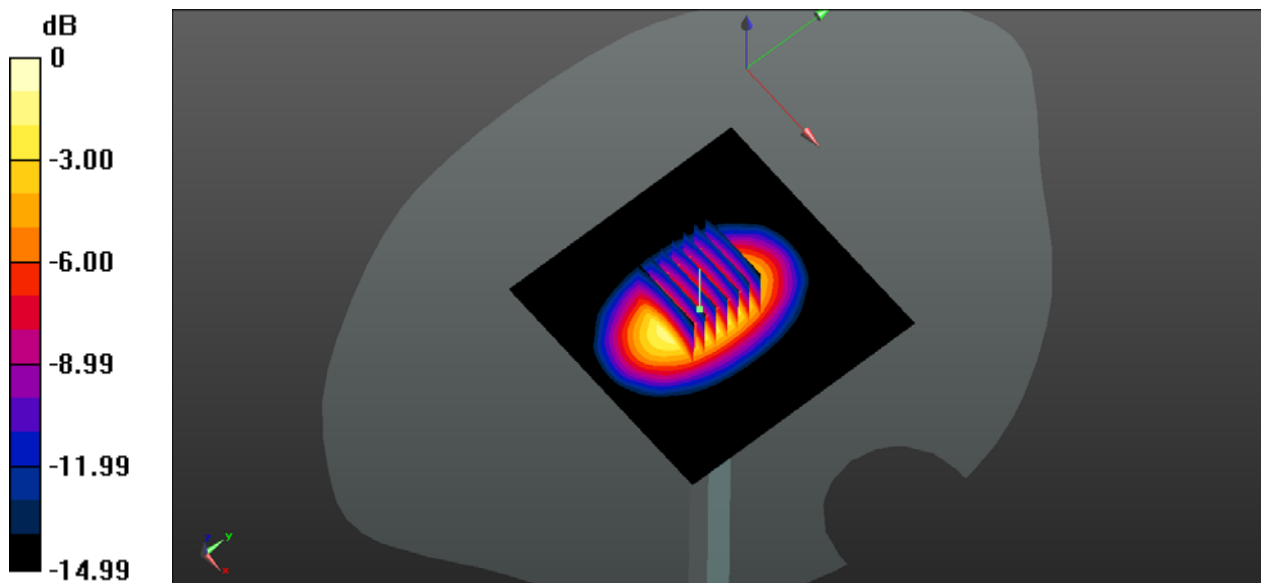
CW 1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.22 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 6.48 W/kg

SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.99 W/kg

Maximum value of SAR (measured) = 4.27 W/kg



0 dB = 4.27 W/kg

System Performance Check Data (1900MHz)

Date: 2021.02.15

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.414$ S/m; $\epsilon_r = 39.374$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.7

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.65 W/kg

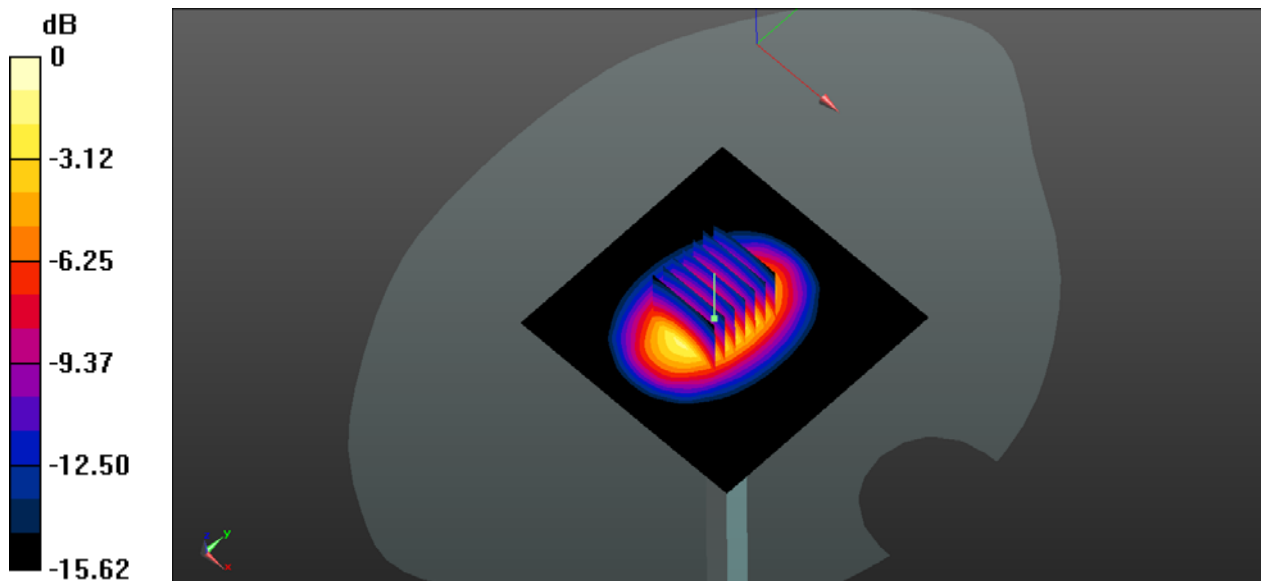
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.52 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 7.36 W/kg

SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.02 W/kg

Maximum value of SAR (measured) = 4.48 W/kg



0 dB = 4.48 W/kg

System Performance Check Data (1900MHz)

Date: 2021.02.16

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.402$ S/m; $\epsilon_r = 40.911$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

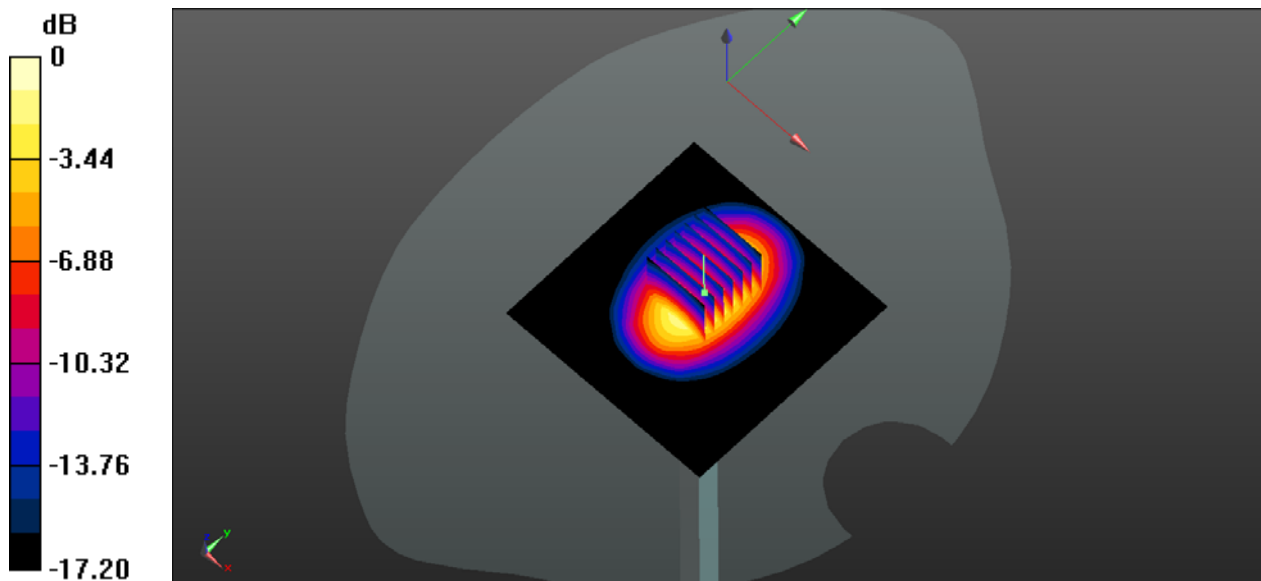
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 7.51 W/kg

SAR(1 g) = 3.92 W/kg; SAR(10 g) = 2.05 W/kg

Maximum value of SAR (measured) = 4.69 W/kg



0 dB = 4.69 W/kg

System Performance Check Data (1900MHz)

Date: 2021.02.17

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.389$ S/m; $\epsilon_r = 39.984$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

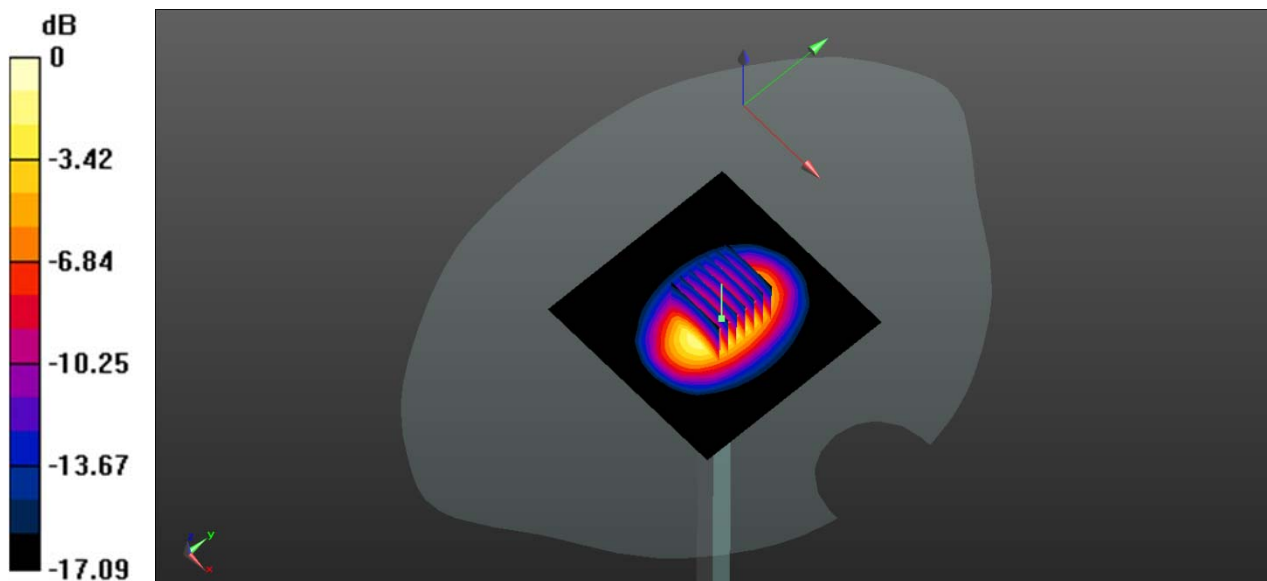
CW1900 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 7.21 W/kg

SAR(1 g) = 4.01 W/kg; SAR(10 g) = 2.08 W/kg

Maximum value of SAR (measured) = 4.41 W/kg



0 dB = 4.41 W/kg

System Performance Check Data (2450MHz)

Date: 2021.02.18

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.763$ S/m; $\epsilon_r = 38.629$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; 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) = 6.32 W/kg

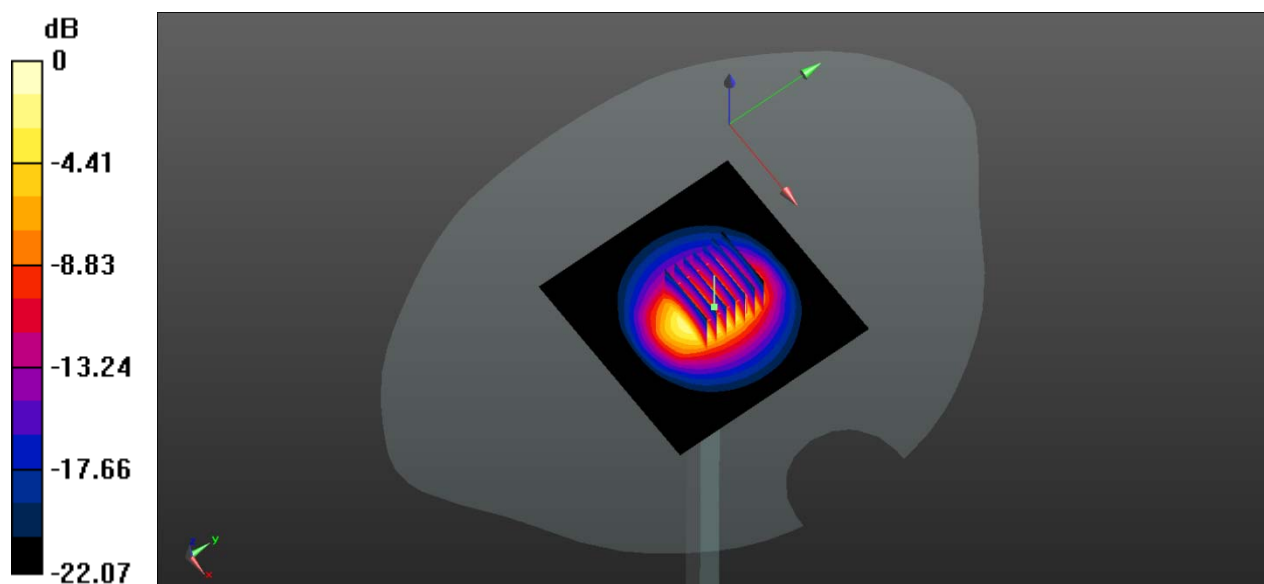
CW 2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.07 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 11.7 W/kg

SAR(1 g) = 5.15 W/kg; SAR(10 g) = 2.41 W/kg

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



0 dB = 6.33 W/kg

System Performance Check Data (2600MHz)

Date: 2021.02.19

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.951$ S/m; $\epsilon_r = 37.641$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; 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) = 6.60 W/kg

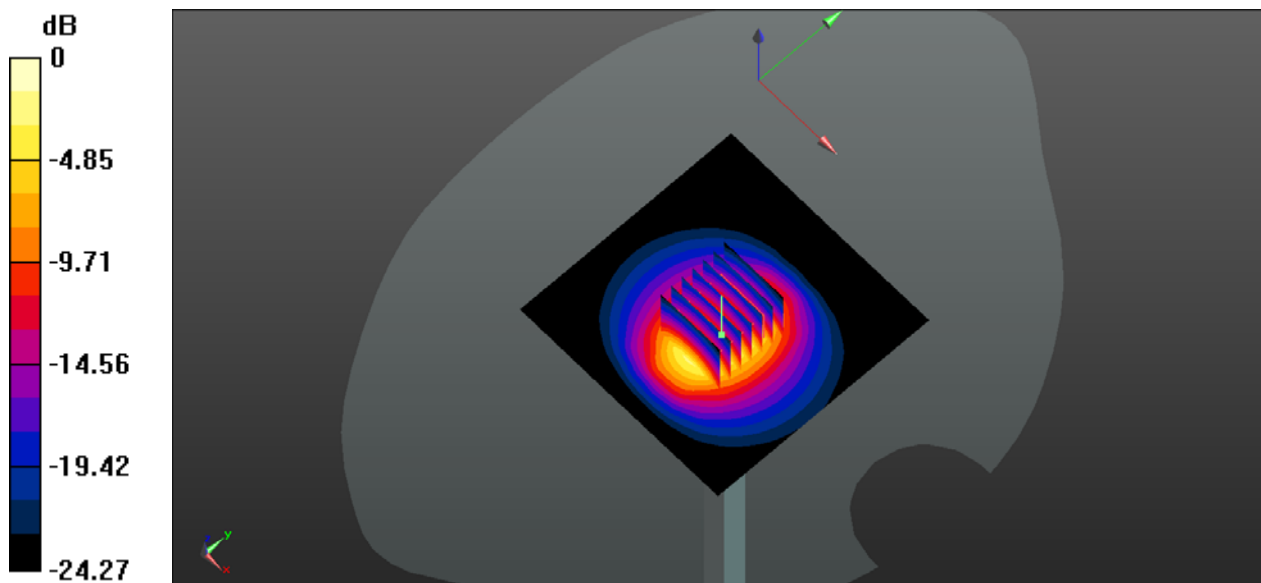
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.73 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.51 W/kg; SAR(10 g) = 2.44 W/kg

Maximum value of SAR (measured) = 6.52 W/kg



0 dB = 6.52 W/kg

System Performance Check Data (2600MHz)

Date: 2021.02.20

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.936$ S/m; $\epsilon_r = 38.654$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; 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) = 6.60 W/kg

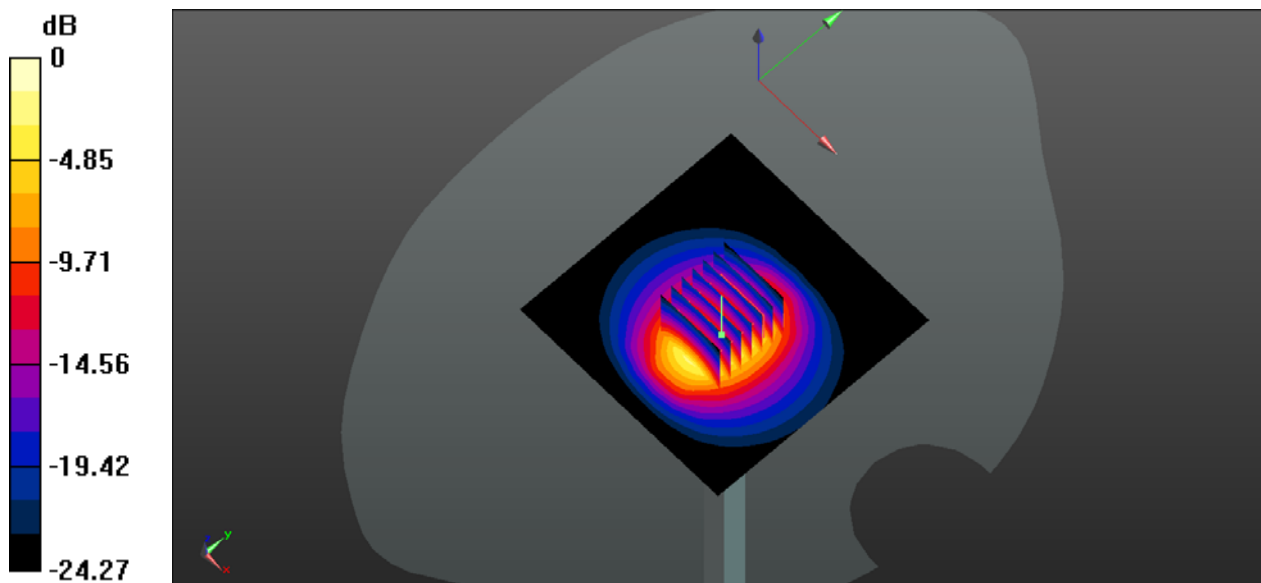
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.73 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.57 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 6.49 W/kg



0 dB = 6.49 W/kg

System Performance Check Data (2600MHz)

Date: 2021.02.21

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.973$ S/m; $\epsilon_r = 38.146$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; 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) = 6.46 W/kg

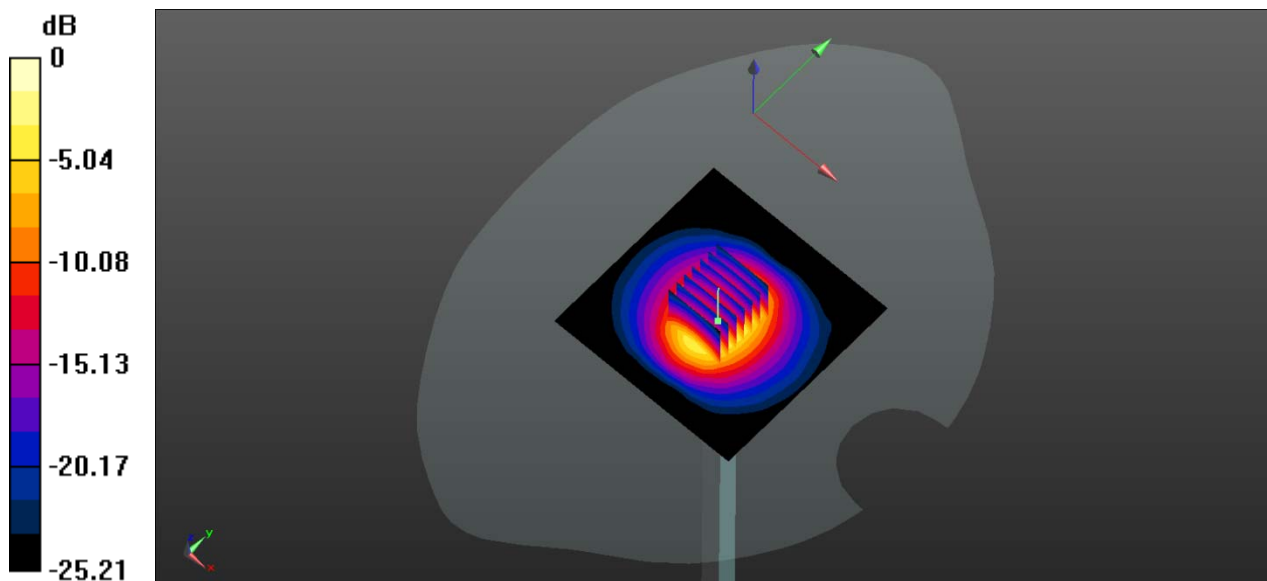
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.55 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.62 W/kg; SAR(10 g) = 2.57 W/kg

Maximum value of SAR (measured) = 6.55 W/kg



0 dB = 6.55 W/kg

System Performance Check Data (5300MHz)

Date: 2021.02.22

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

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.782$ S/m; $\epsilon_r = 36.506$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.3, 5.3, 5.3); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 14.3 W/kg

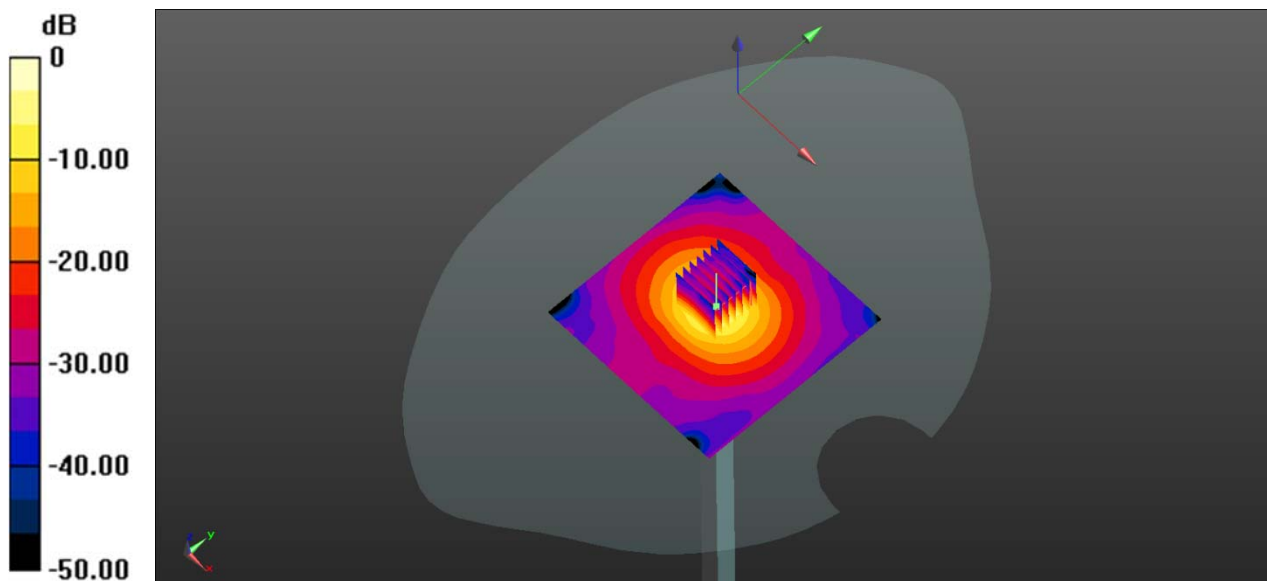
CW 5300 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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

Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 7.52 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 18.6 W/kg



0 dB = 18.6 W/kg

System Performance Check Data (5600MHz)

Date: 2021.02.23

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.168$ S/m; $\epsilon_r = 36.585$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.85, 4.85, 4.85); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5600 100mW /Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.13 W/kg

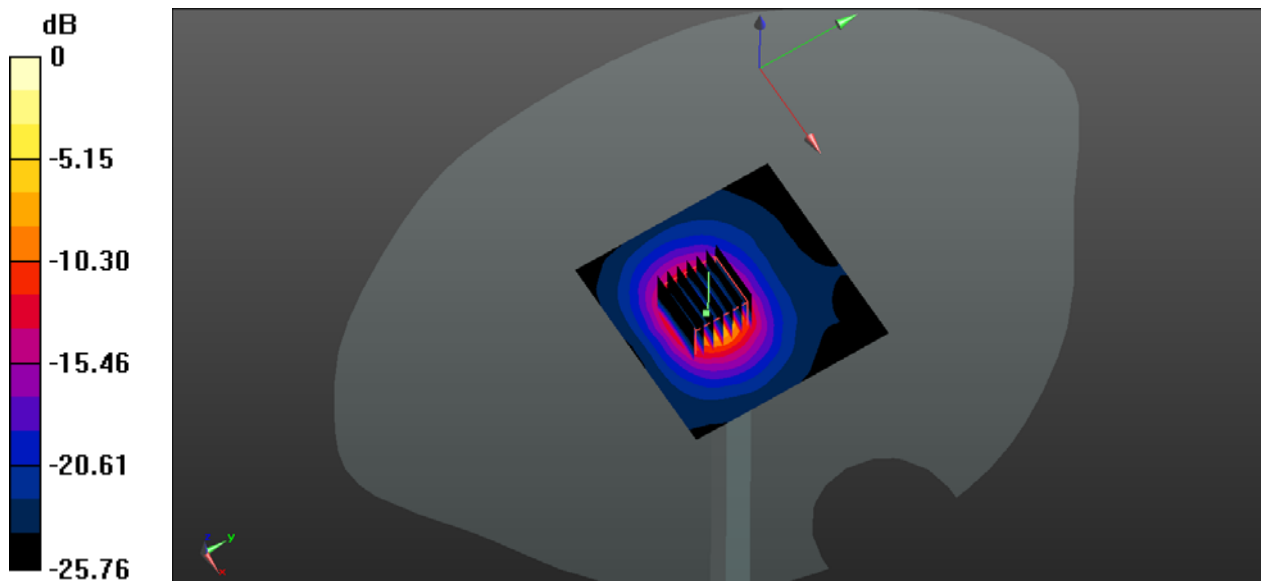
CW 5600 100mW /Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 22.84 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 38.21 W/kg

SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.27 W/kg

Maximum value of SAR (measured) = 21.7 W/kg



0 dB = 21.7 W/kg

System Performance Check Data (5800MHz)

Date: 2021.02.24

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

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.368$ S/m; $\epsilon_r = 35.378$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.86, 4.86, 4.86); Calibrated: 2020.08.07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5800 HEAD 100mW/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.48 W/kg

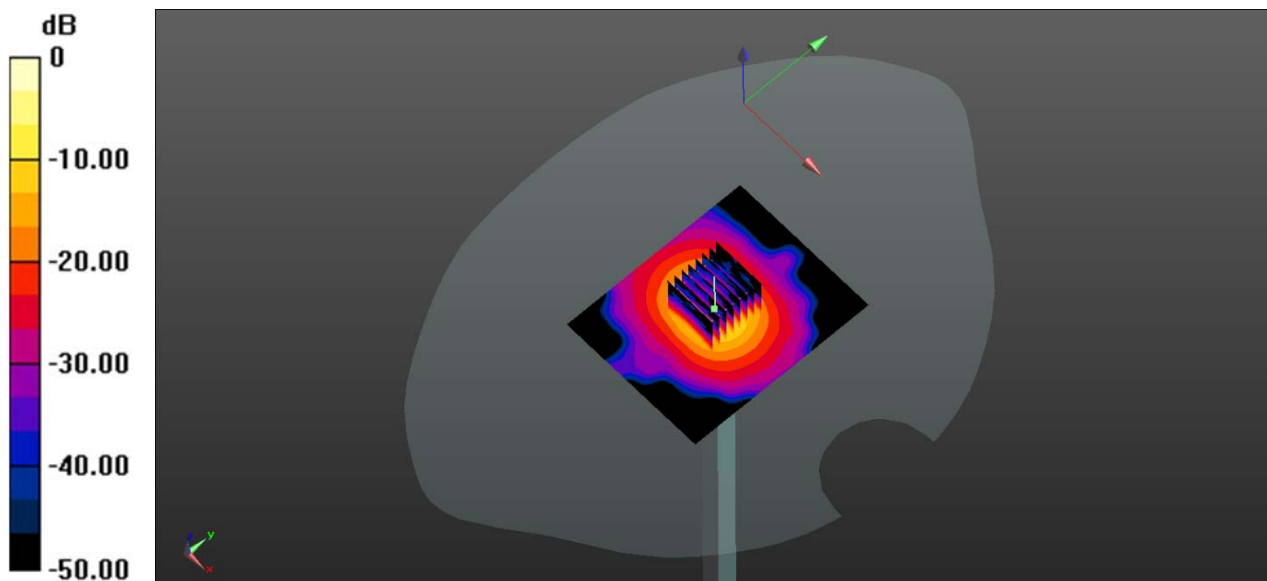
CW5800 HEAD 100mW/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 36.33 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 35.42 W/kg

SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.13 W/kg

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



0 dB = 17.1 W/kg

ANNEX C TEST DATA

MEAS.1 Right Head with Cheek on Middle Channel in GPRS 850 2Slots mode With Antenna2

Date: 2021.02.08

Communication System Band: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.1

Medium parameters used: $f = 837$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 41.974$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5 Liquid Temperature: 21.1

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 190/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.177 W/kg

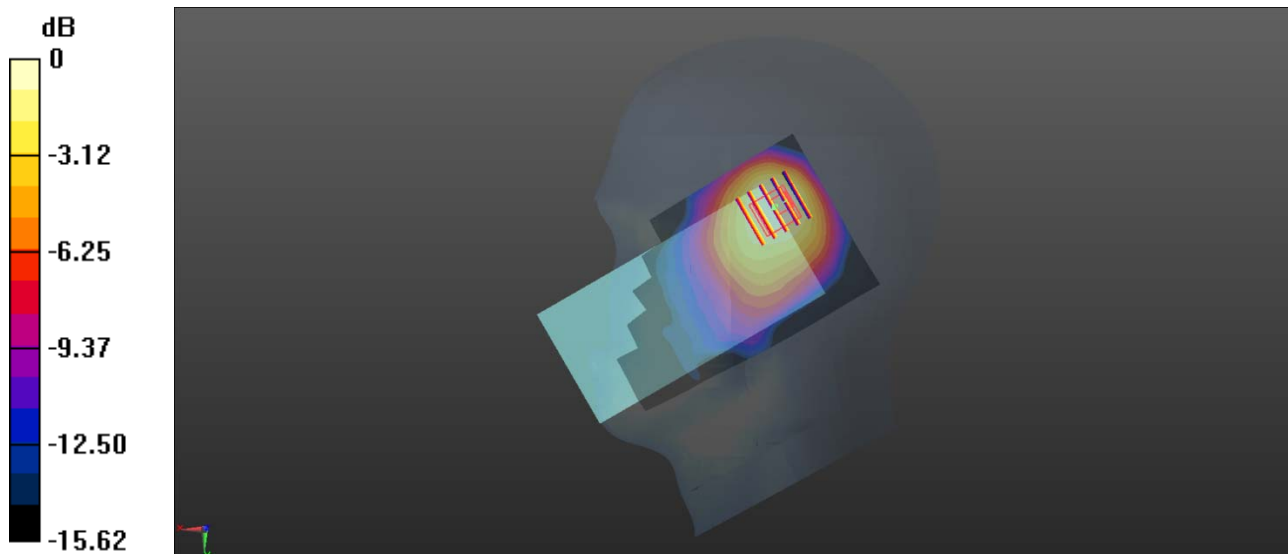
Ch 190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.99 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.295 W/kg

SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.106 W/kg

Maximum value of SAR (measured) = 0.180 W/kg



0 dB = 0.180 W/kg

MEAS.2 Body Plane with Back Side 15mm on Middle Channel in GPRS 850 2Slots mode With Antenna3

Date: 2021.02.08

Communication System Band: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 41.974$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.1

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 190/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.179 W/kg

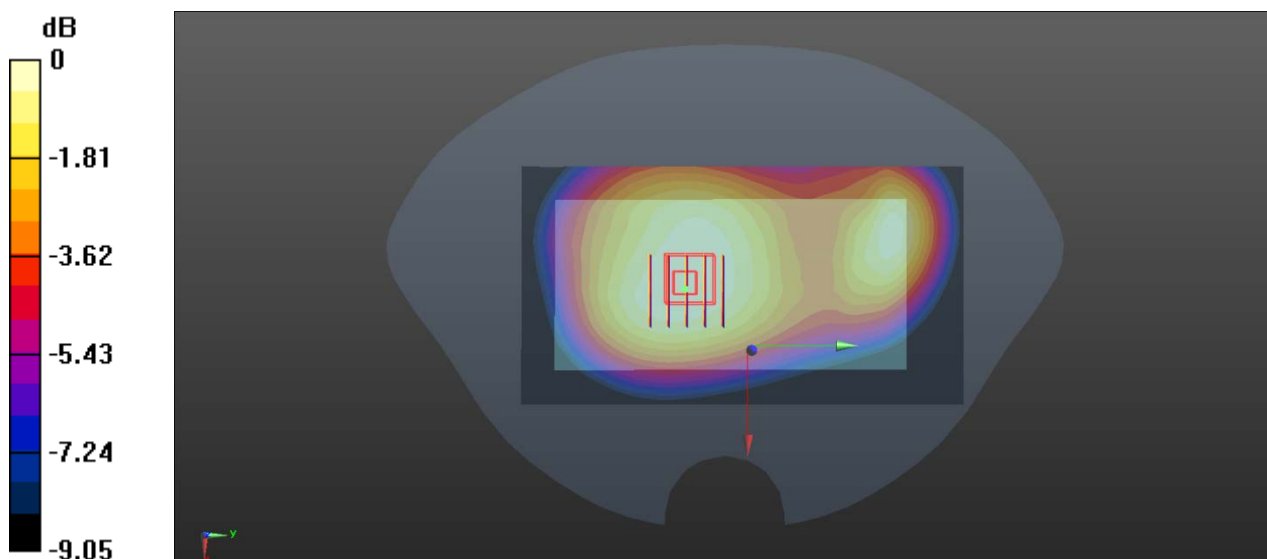
Ch 190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 13.58 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.216 W/kg

SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.177 W/kg



0 dB = 0.177 W/kg

MEAS.3 Body Plane with Back Side 10mm on Middle Channel in GPRS 850 2Slots mode With Antenna3

Date: 2021.02.08

Communication System Band: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 41.974$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.1

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 190/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.252 W/kg

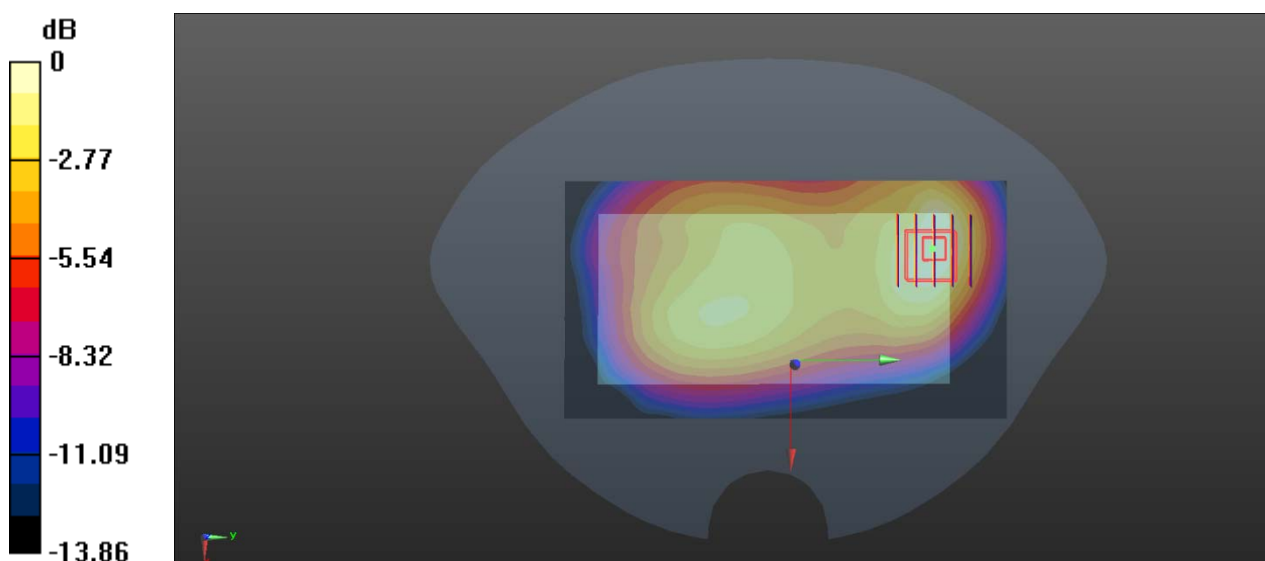
Ch 190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.04 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.242 W/kg



0 dB = 0.242 W/kg

MEAS.4 Right Head with Tilt on Middle Channel in GPRS 1900 2Slots mode With Antenna2

Date: 2021.02.15

Communication System Band: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.411$ S/m; $\epsilon_r = 39.422$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5 Liquid Temperature: 21.7

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 661/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

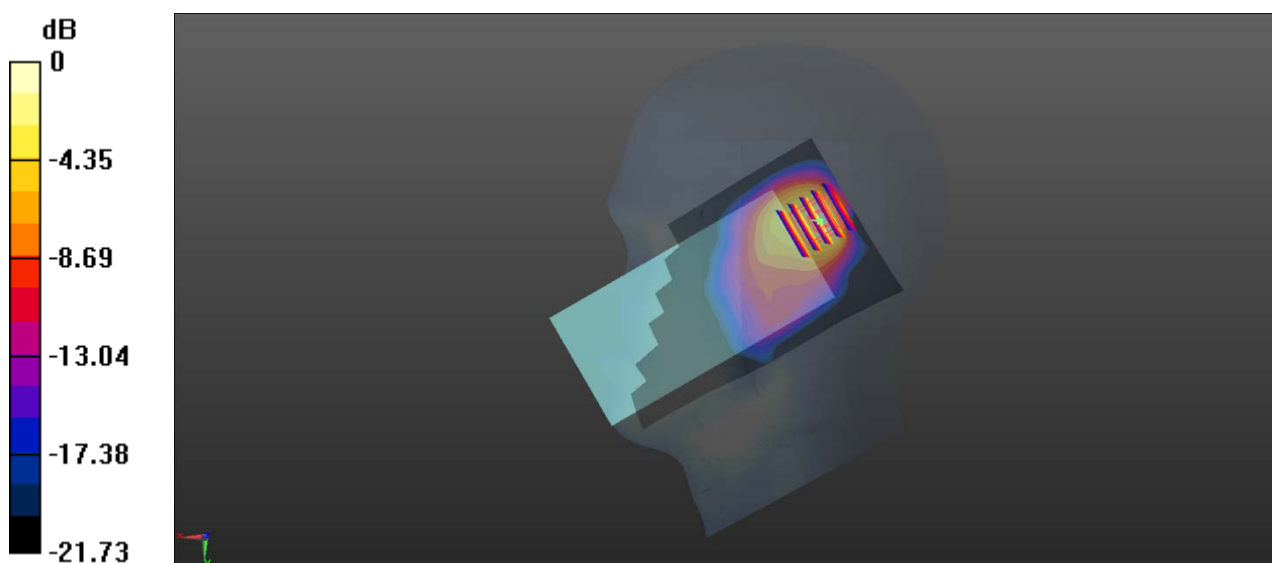
Ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.97 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.424 W/kg

Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg

MEAS.5 Body Plane with Back Side 15mm on Middle Channel in GPRS 1900 2Slots mode With Antenna2

Date: 2021.02.15

Communication System Band: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.411$ S/m; $\epsilon_r = 39.422$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.7

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 661/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.419 W/kg

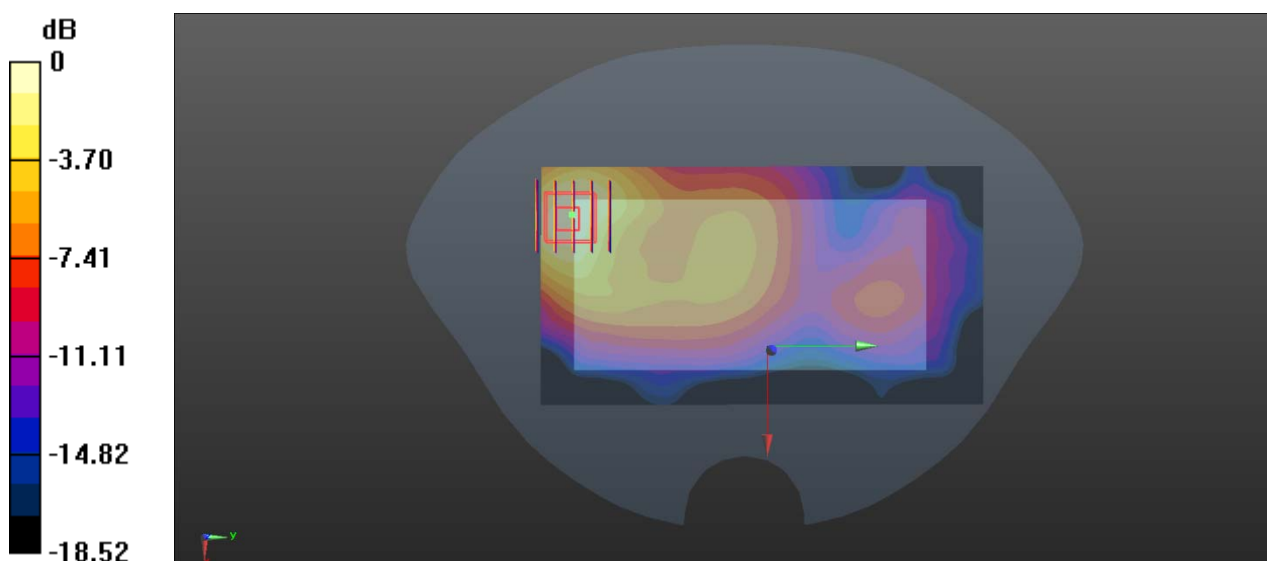
Ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.650 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.679 W/kg

SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.218 W/kg

Maximum value of SAR (measured) = 0.429 W/kg



0 dB = 0.429 W/kg

MEAS.6 Body Plane with Top Edge 10mm on Middle Channel in GPRS 1900 2Slots mode With Antenna2

Date: 2021.02.15

Communication System Band: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.411$ S/m; $\epsilon_r = 39.422$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.7

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 661/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.794 W/kg

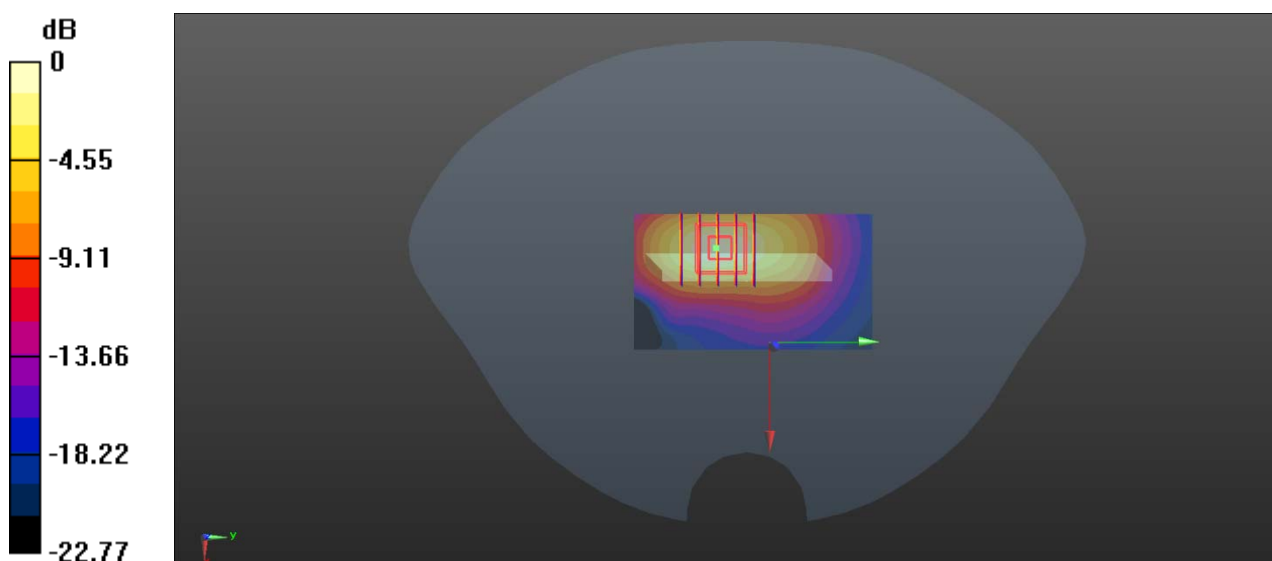
Ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.08 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.357 W/kg

Maximum value of SAR (measured) = 0.825 W/kg



0 dB = 0.825 W/kg

MEAS.7 Body Plane with Top Edge 0mm on Middle Channel in GPRS 1900 2Slots mode With Antenna2

Date: 2021.02.15

Communication System Band: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.411$ S/m; $\epsilon_r = 39.422$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.7

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.21 W/kg

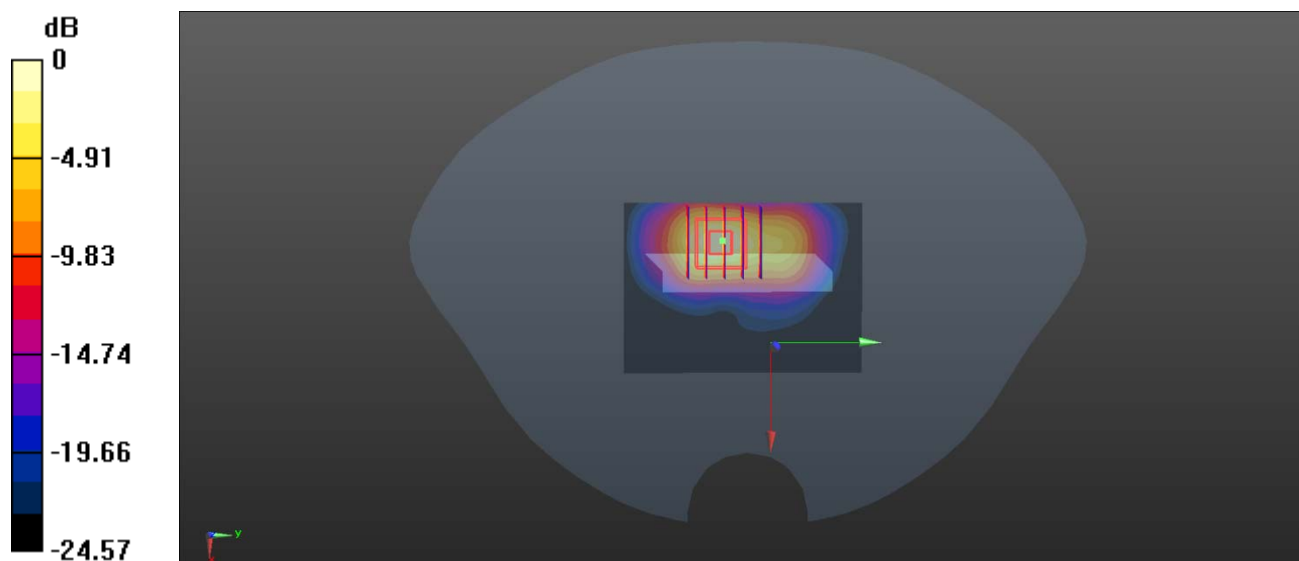
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.05 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 7.05 W/kg

SAR(1 g) = 2.81 W/kg; SAR(10 g) = 1.14 W/kg

Maximum value of SAR (measured) = 3.45 W/kg



0 dB = 3.45 W/kg

MEAS.8 Right Head with Tilt on Middle Channel in WCDMA B2 mode With Antenna2

Date: 2021.02.16

Communication System Band: WCDMA B2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.397$ S/m; $\epsilon_r = 41.074$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 9400/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.842 W/kg

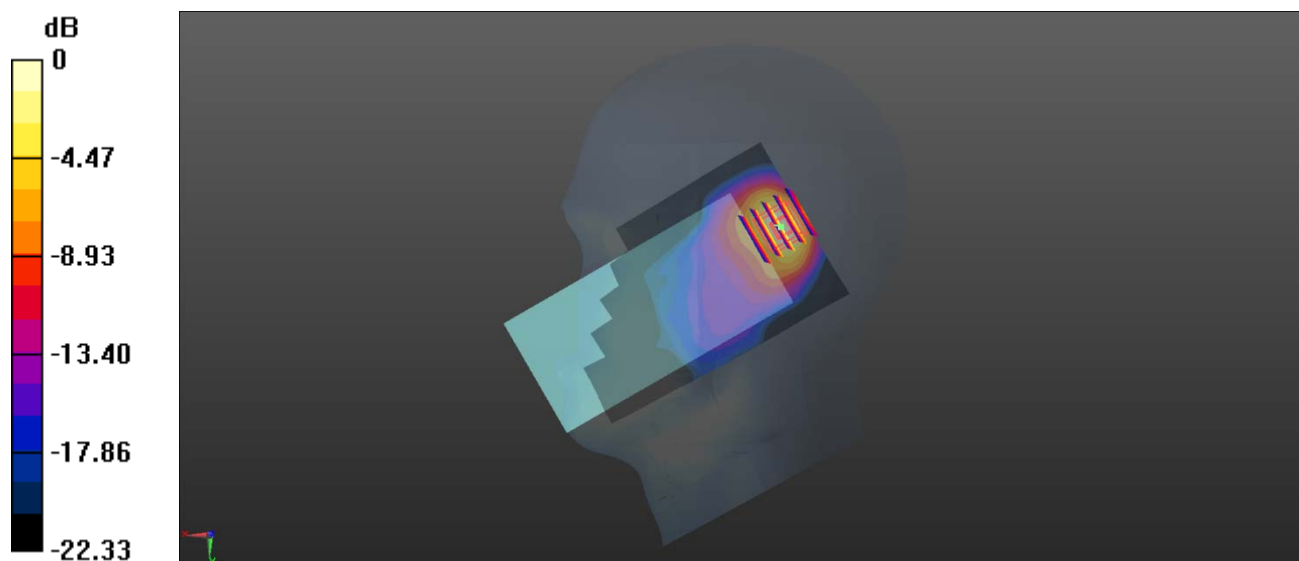
Ch 9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.925 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.691 W/kg; SAR(10 g) = 0.314 W/kg

Maximum value of SAR (measured) = 0.814 W/kg



0 dB = 0.814 W/kg

MEAS.9 Body Plane with Back Side 15mm on Middle Channel in WCDMA B2 mode With Antenna2

Date: 2021.02.16

Communication System Band: WCDMA B2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.397$ S/m; $\epsilon_r = 41.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.232 W/kg

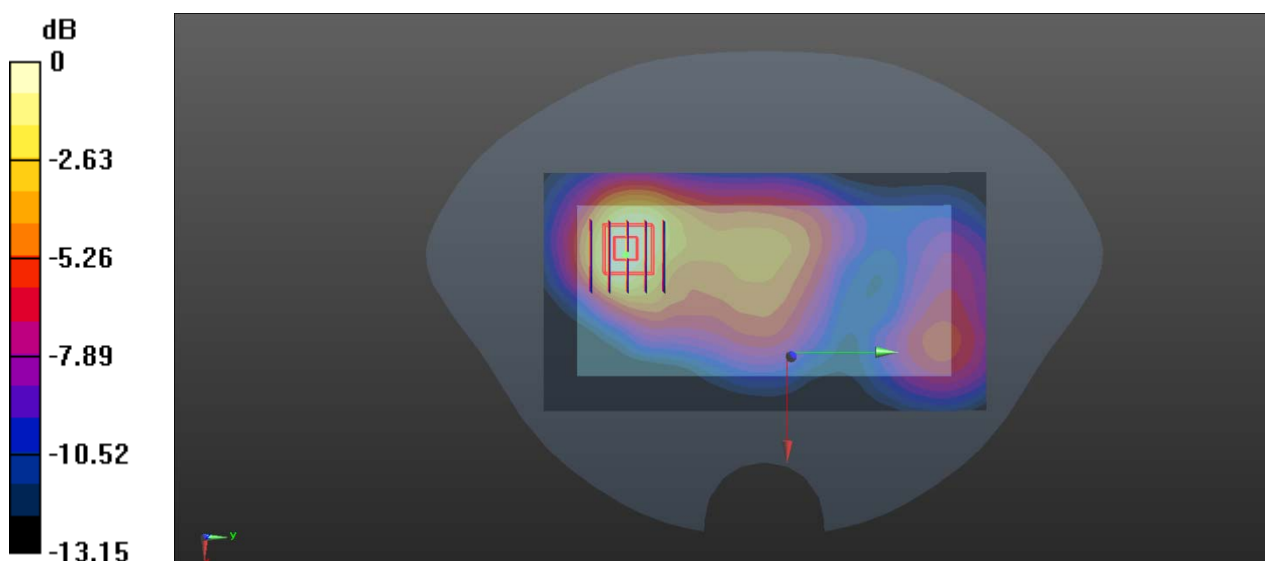
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.309 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.331 W/kg

SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg

MEAS.10 Body Plane with Top Edge 10mm on Middle Channel in WCDMA B2 mode With Antenna2

Date: 2021.02.16

Communication System Band: WCDMA B2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 1880$ MHz; $\sigma = 1.397$ S/m; $\epsilon_r = 41.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.769 W/kg

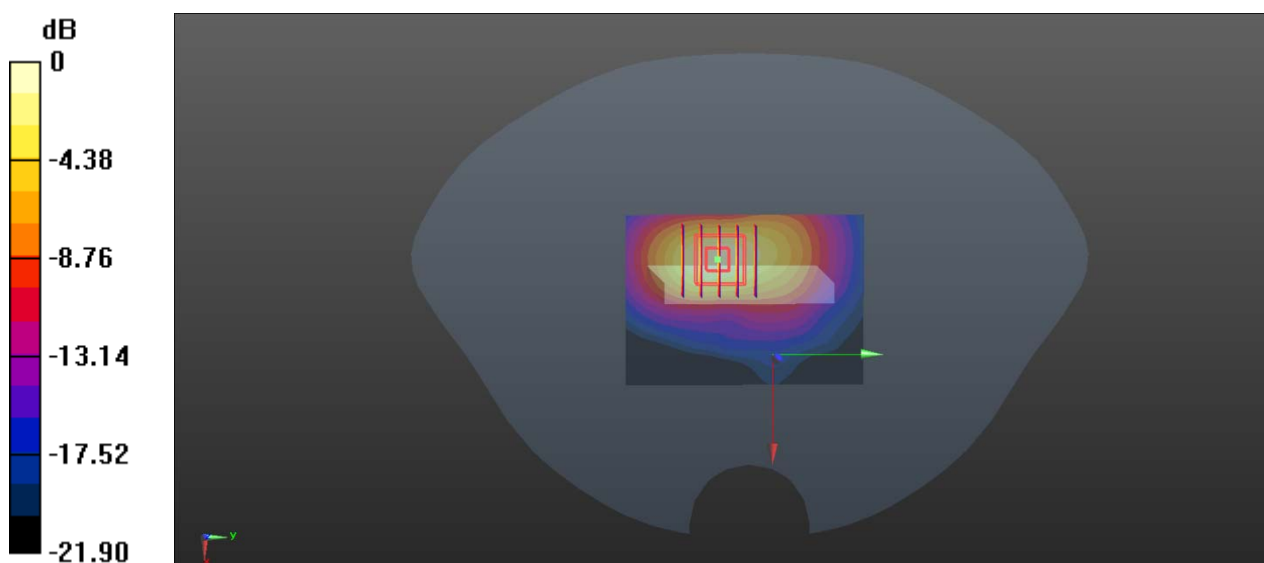
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.30 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.700 W/kg; SAR(10 g) = 0.342 W/kg

Maximum value of SAR (measured) = 0.811 W/kg



0 dB = 0.811 W/kg

MEAS.11 Body Plane with Top Edge 0mm on Middle Channel in WCDMA B2 mode With Antenna2

Date: 2021.02.16

Communication System Band: WCDMA B2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.397$ S/m; $\epsilon_r = 41.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.63 W/kg

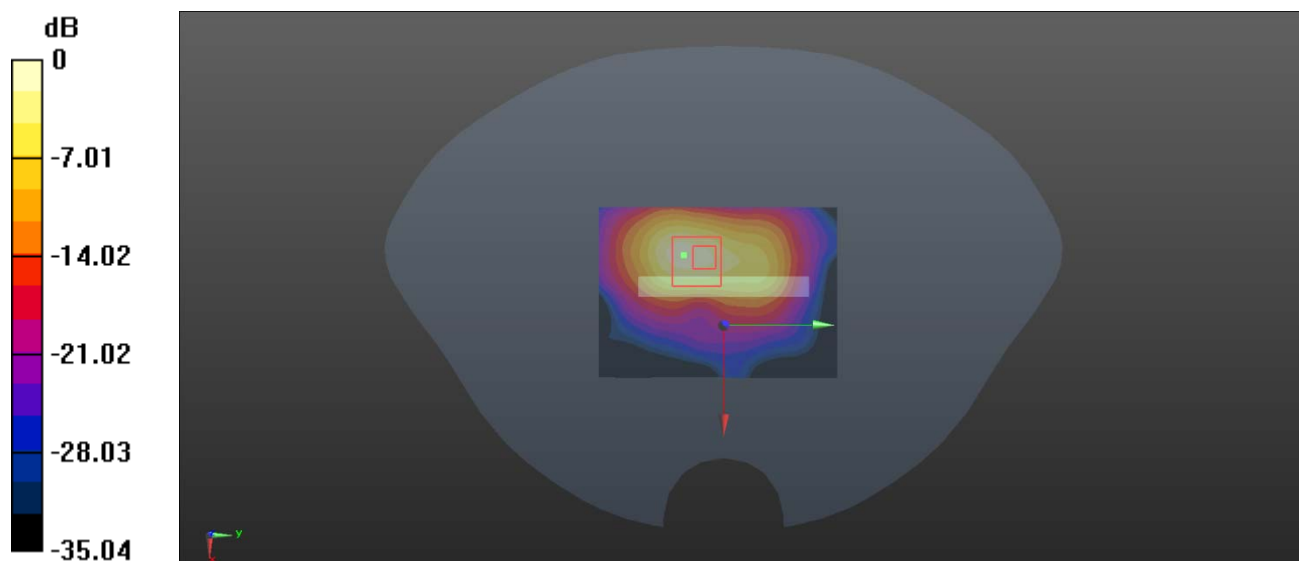
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.79 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.29 W/kg

Maximum value of SAR (measured) = 4.22 W/kg



0 dB = 4.22 W/kg

MEAS.12 Right Head with Tilt on Middle Channel in WCDMA B4 mode With Antenna2

Date: 2021.02.12

Communication System Band: WCDMA B4; Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.353$ S/m; $\epsilon_r = 40.864$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6 Liquid Temperature: 21.8

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 1412/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.694 W/kg

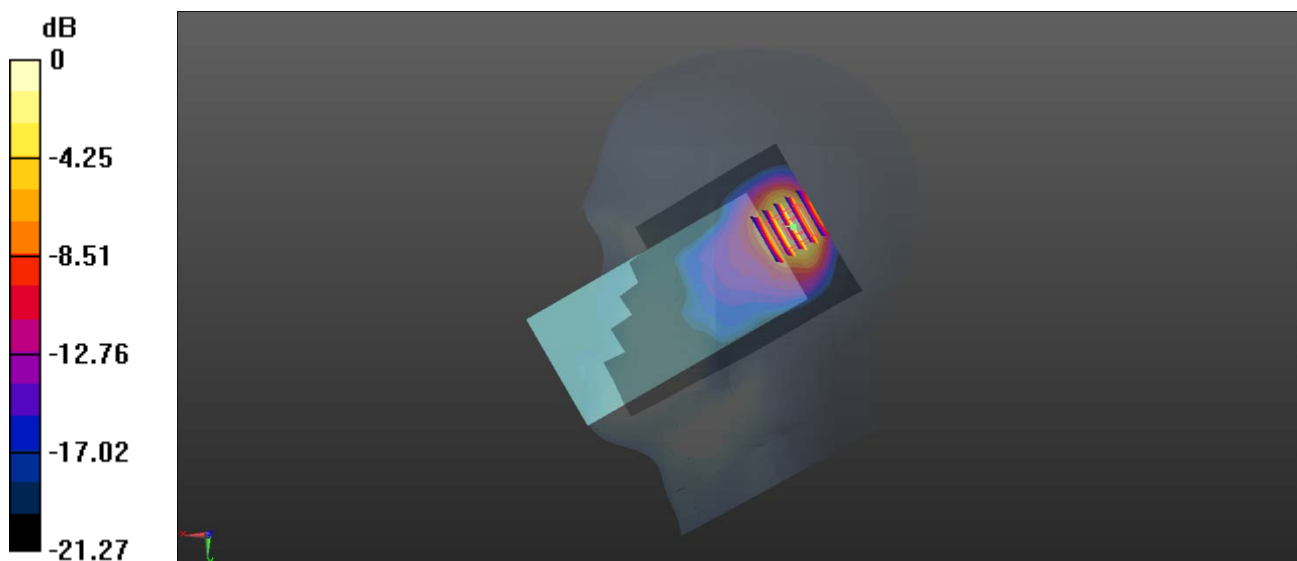
Ch 1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.895 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.271 W/kg

Maximum value of SAR (measured) = 0.653 W/kg



0 dB = 0.653 W/kg

MEAS.13 Body Plane with Back Side 15mm on Middle Channel in WCDMA B4 mode With Antenna3

Date: 2021.02.12

Communication System Band: WCDMA B4; Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.353$ S/m; $\epsilon_r = 40.864$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.8

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1412/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.223 W/kg

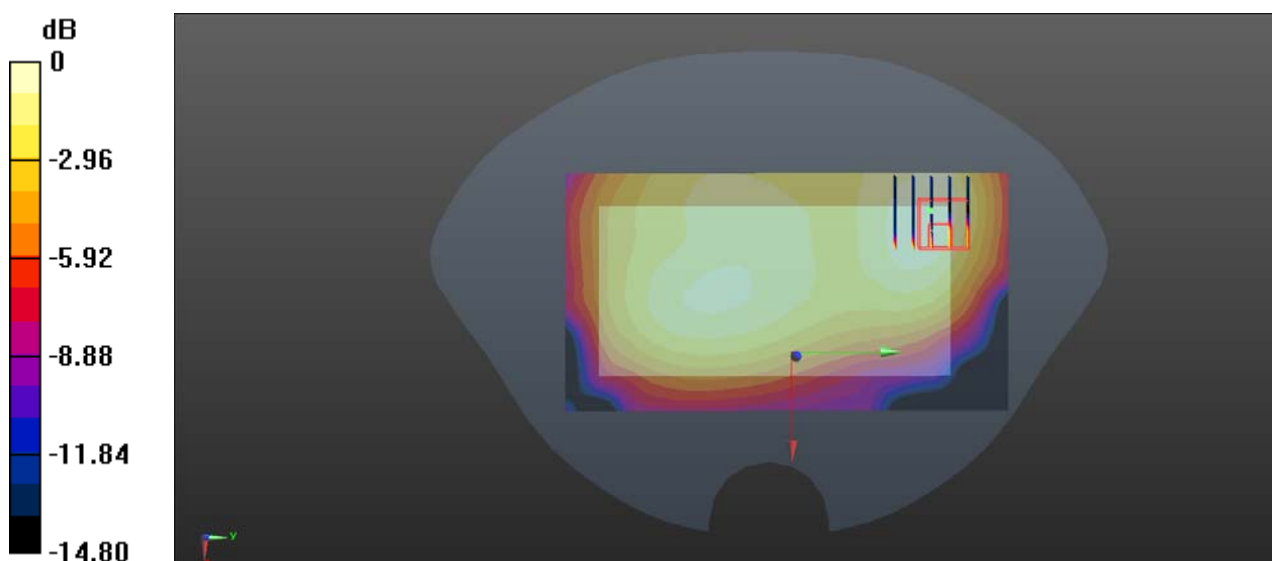
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.837 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.363 W/kg

SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.136 W/kg

Maximum value of SAR (measured) = 0.248 W/kg



0 dB = 0.248 W/kg

MEAS.14 Body Plane with Top Edge 10mm on Middle Channel in WCDMA B4 mode With Antenna2

Date: 2021.02.12

Communication System Band: WCDMA B4; Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1732.4$ MHz; $\sigma = 1.353$ S/m; $\epsilon_r = 40.864$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.8

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.555 W/kg

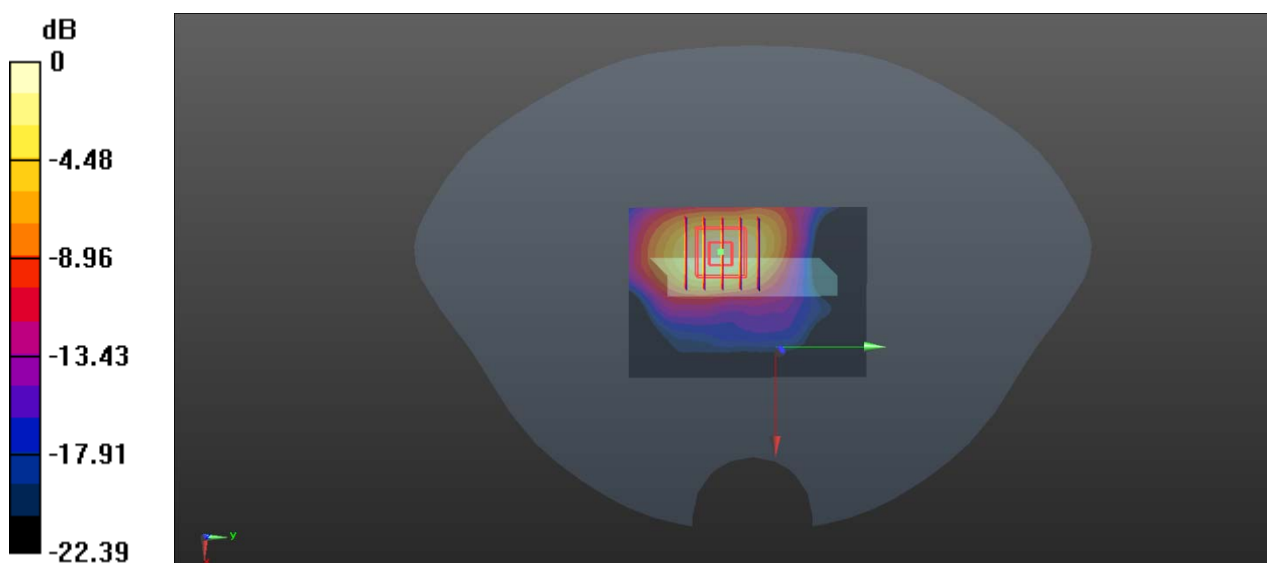
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.644 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.917 W/kg

SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.244 W/kg

Maximum value of SAR (measured) = 0.565 W/kg



0 dB = 0.565 W/kg

MEAS.15 Right Head with Cheek on Low Channel in WCDMA B5 mode With Antenna2

Date: 2021.02.09

Communication System Band: WCDMA B5; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 826.4$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 42.364$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.7 Liquid Temperature: 21.2

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 4132/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.477 W/kg

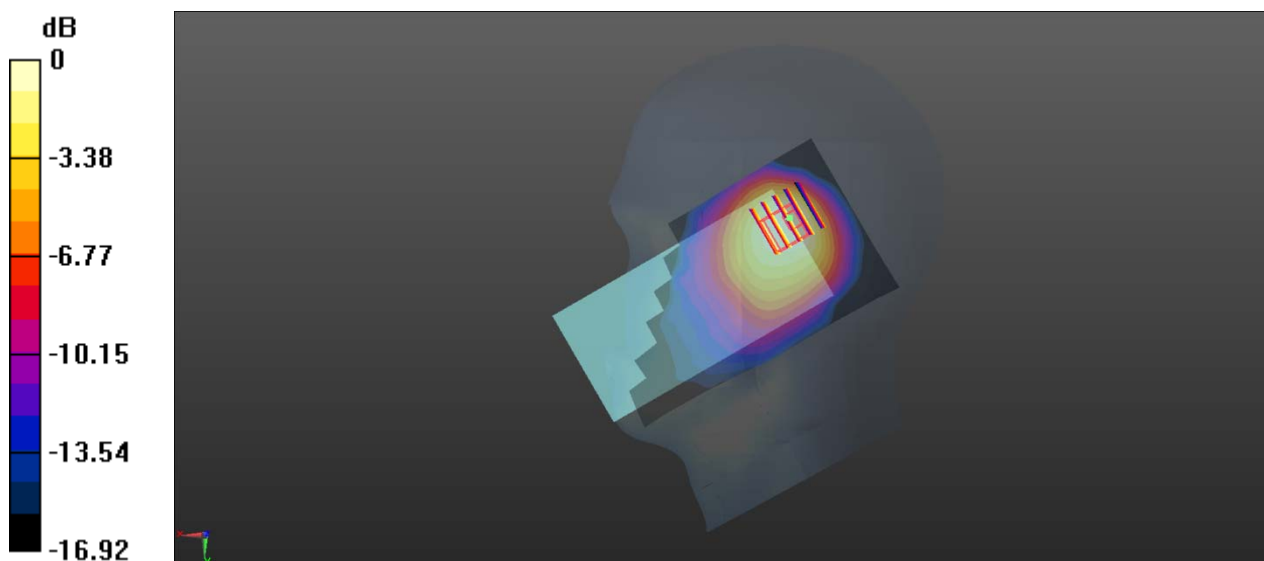
Ch 4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 18.33 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.718 W/kg

SAR(1 g) = 0.375 W/kg; SAR(10 g) = 0.236 W/kg

Maximum value of SAR (measured) = 0.387 W/kg



0 dB = 0.387 W/kg

MEAS.16 Body Plane with Back Side 15mm on Low Channel in WCDMA B5 mode With Antenna3

Date: 2021.02.09

Communication System Band: WCDMA B5; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 42.364$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.2

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 4132/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.114 W/kg

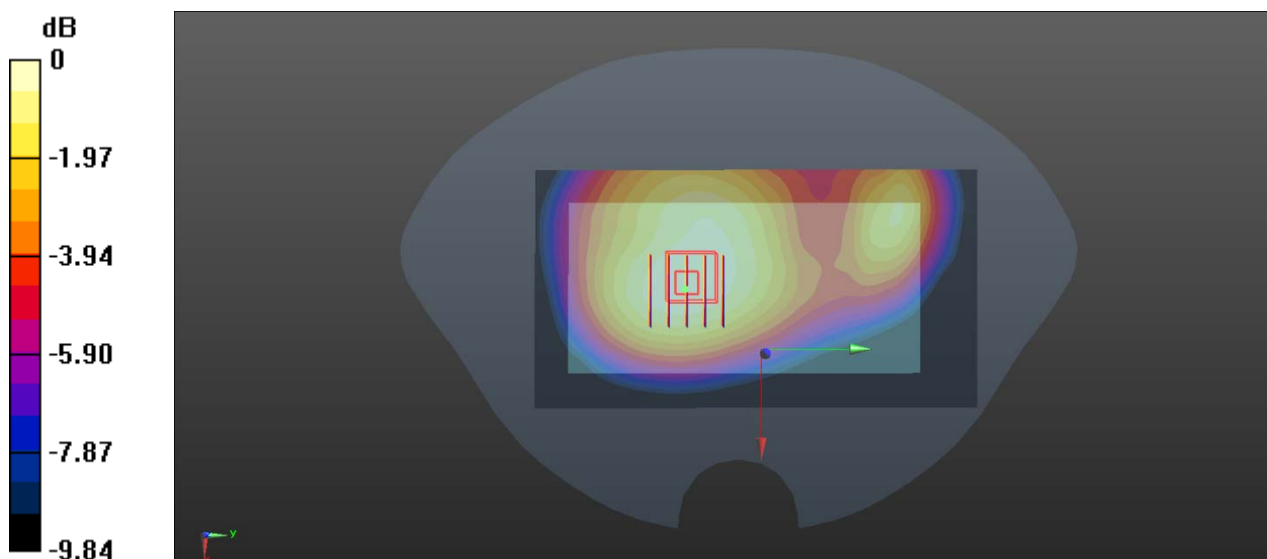
Ch 4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.35 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.140 W/kg

SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.080 W/kg

Maximum value of SAR (measured) = 0.114 W/kg



0 dB = 0.114 W/kg

MEAS.17 Body Plane with Back Side 10mm on Low Channel in WCDMA B5 mode With Antenna3

Date: 2021.02.09

Communication System Band: WCDMA B5; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 42.364$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.2

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 4132/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.205 W/kg

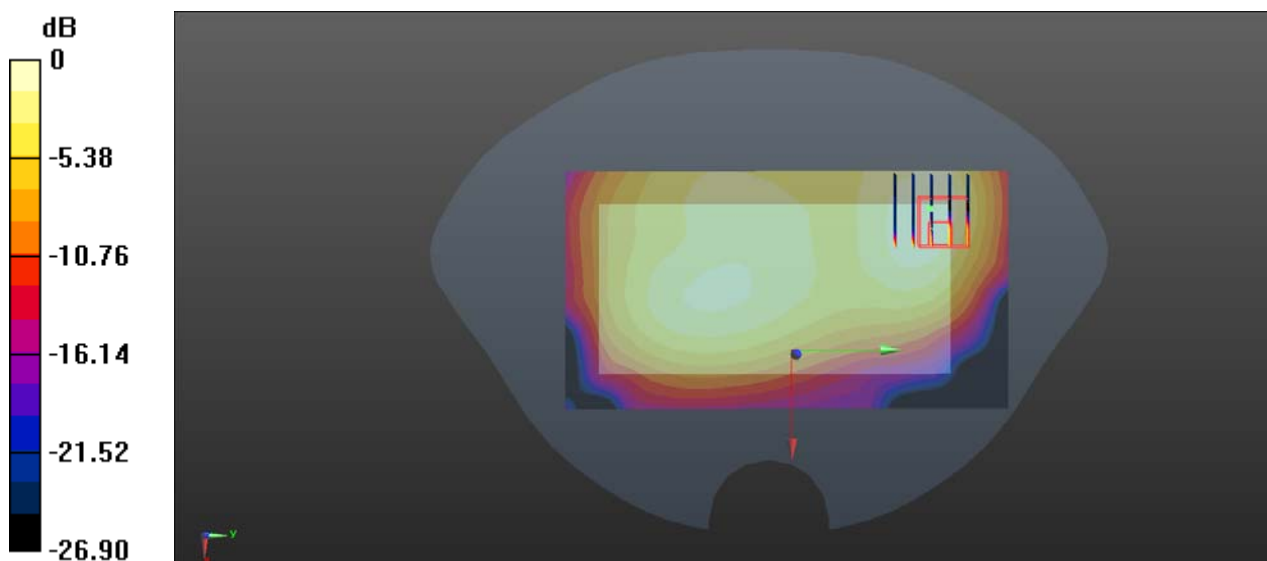
Ch 4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.41 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.599 W/kg

SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.051 W/kg

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



0 dB = 0.189 W/kg

MEAS.18 Right Head with Tilt on Middle Channel in LTE B2 mode With Antenna2 and 50RB

Date: 2021.02.17

Communication System Band: LTE B2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 40.017$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 18900/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.745 W/kg

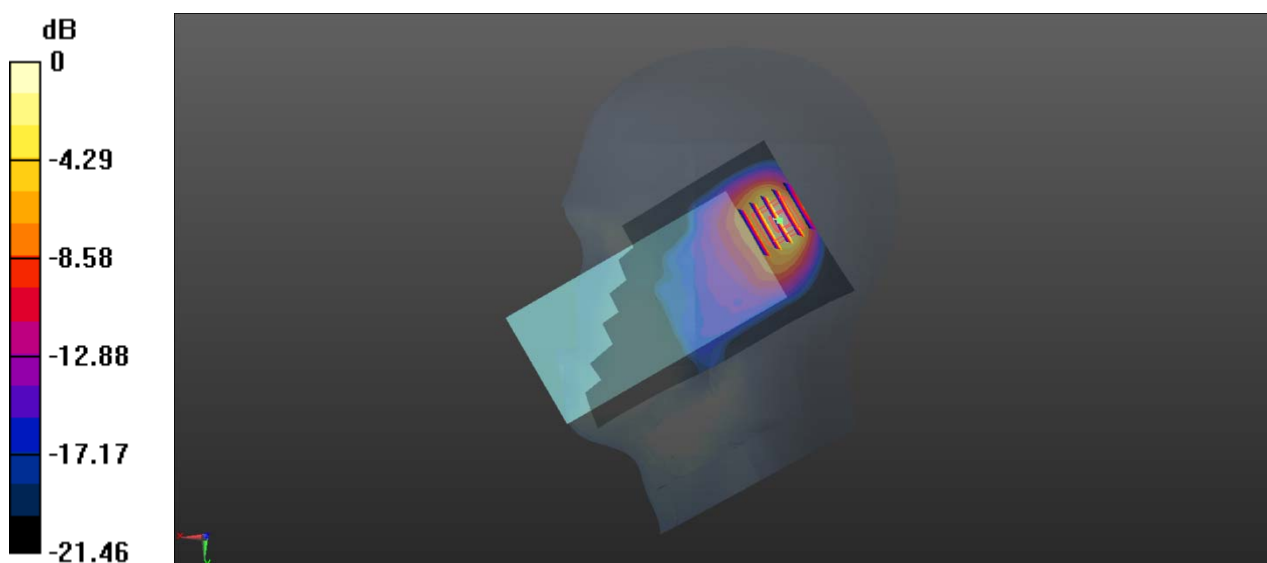
Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.510 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.759 W/kg



0 dB = 0.759 W/kg

MEAS.19 Body Plane with Back Side 15mm on Middle Channel in LTE B2 mode With Antenna2 and 50RB

Date: 2021.02.17

Communication System Band: LTE B2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.397$ S/m; $\epsilon_r = 41.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 18900/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.339 W/kg

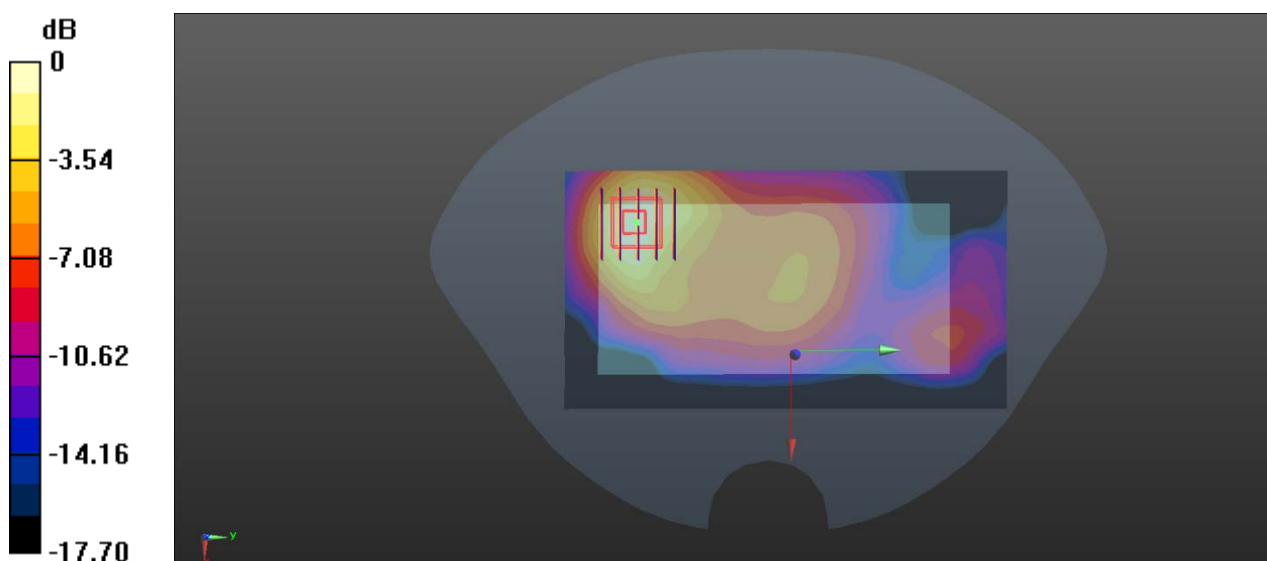
Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.558 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.530 W/kg

SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.166 W/kg

Maximum value of SAR (measured) = 0.339 W/kg



0 dB = 0.339 W/kg

MEAS.20 Body Plane with Top Edge 10mm on Middle Channel in LTE B2 mode With Antenna2 and 50RB

Date: 2021.02.17

Communication System Band: LTE B2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.397$ S/m; $\epsilon_r = 41.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 18900/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.748 W/kg

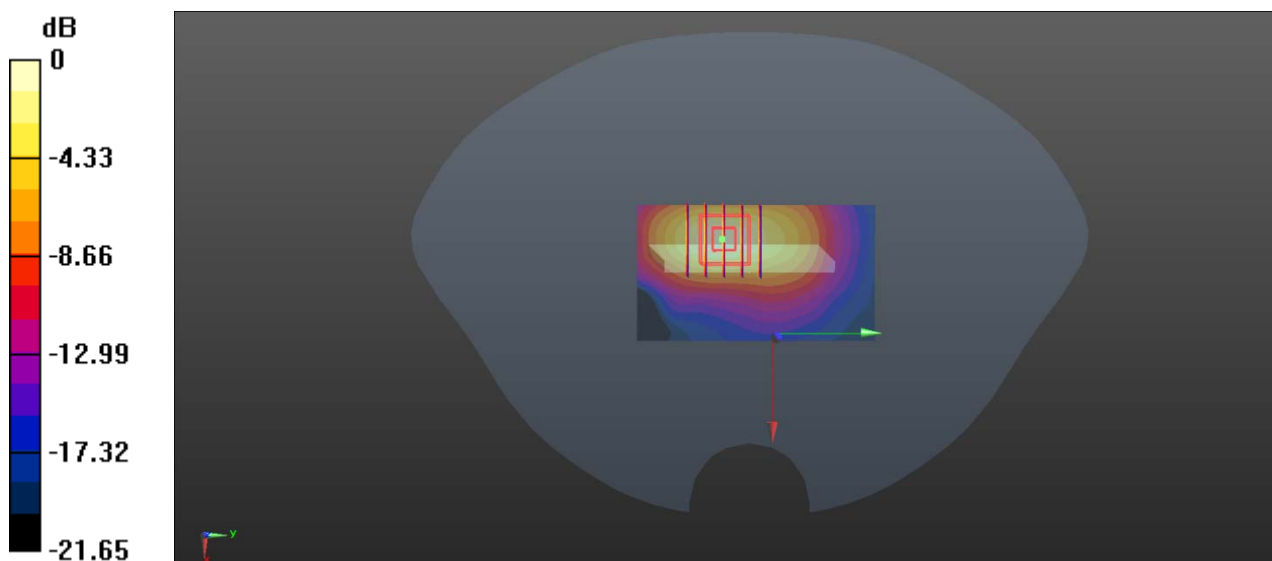
Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.10 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.676 W/kg; SAR(10 g) = 0.335 W/kg

Maximum value of SAR (measured) = 0.778 W/kg



0 dB = 0.778 W/kg

MEAS.21 Body Plane with Top Edge 0mm on Middle Channel in LTE B2 mode With Antenna2 and 50RB

Date: 2021.02.17

Communication System Band: LTE B2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.397$ S/m; $\epsilon_r = 41.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.68 W/kg

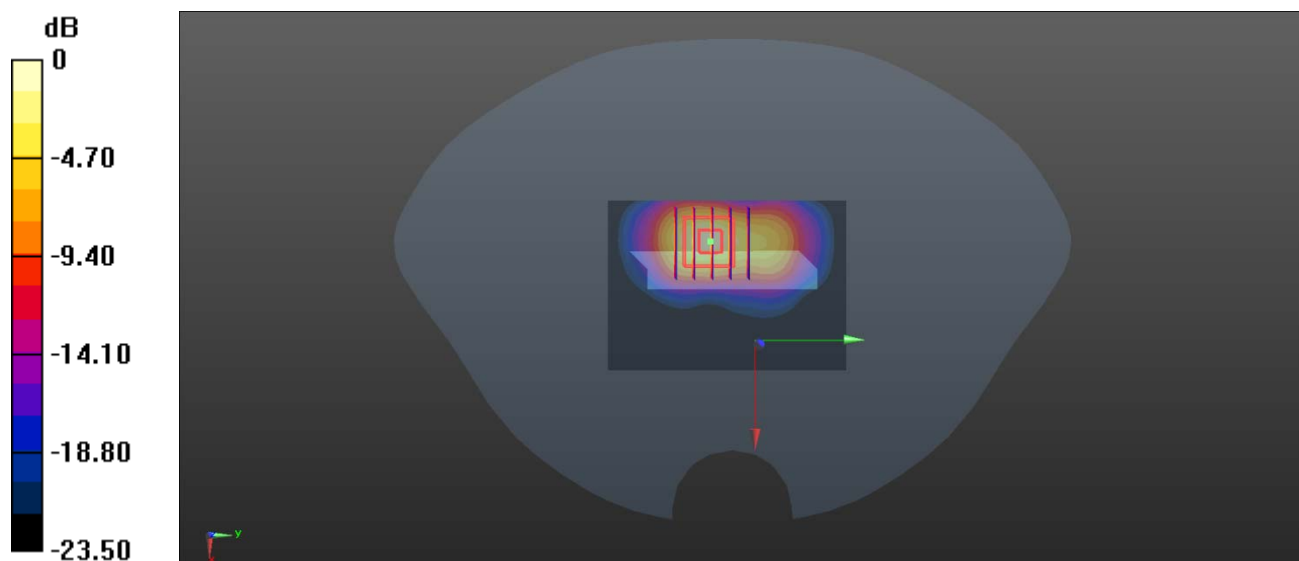
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.94 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 8.11 W/kg

SAR(1 g) = 3.23 W/kg; SAR(10 g) = 1.3 W/kg

Maximum value of SAR (measured) = 4.07 W/kg



0 dB = 4.07 W/kg

MEAS.22 Right Head with Tilt on Low Channel in LTE B4 mode With Antenna2 and 50RB

Date: 2021.02.13

Communication System Band: LTE B4; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 40.346$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20050/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.687 W/kg

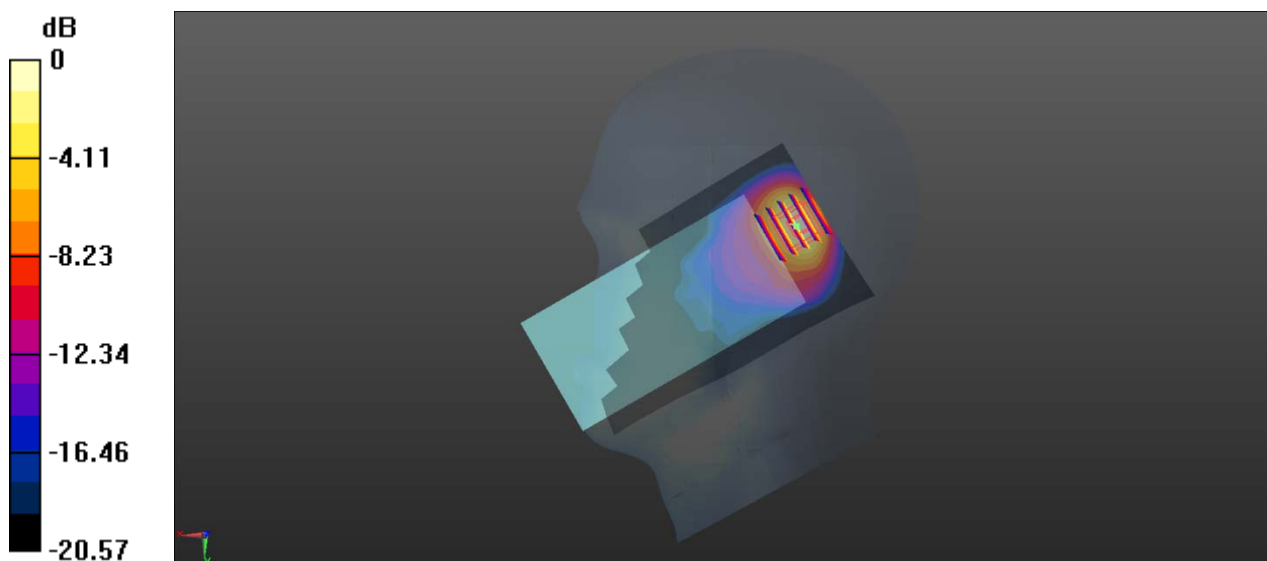
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.541 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.595 W/kg; SAR(10 g) = 0.291 W/kg

Maximum value of SAR (measured) = 0.693 W/kg



0 dB = 0.693 W/kg

MEAS.23 Body Plane with Back Side 15mm on Low Channel in LTE B4 mode With Antenna2 and 50RB

Date: 2021.02.13

Communication System Band: LTE B4; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1720$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 40.346$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 20050/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.240 W/kg

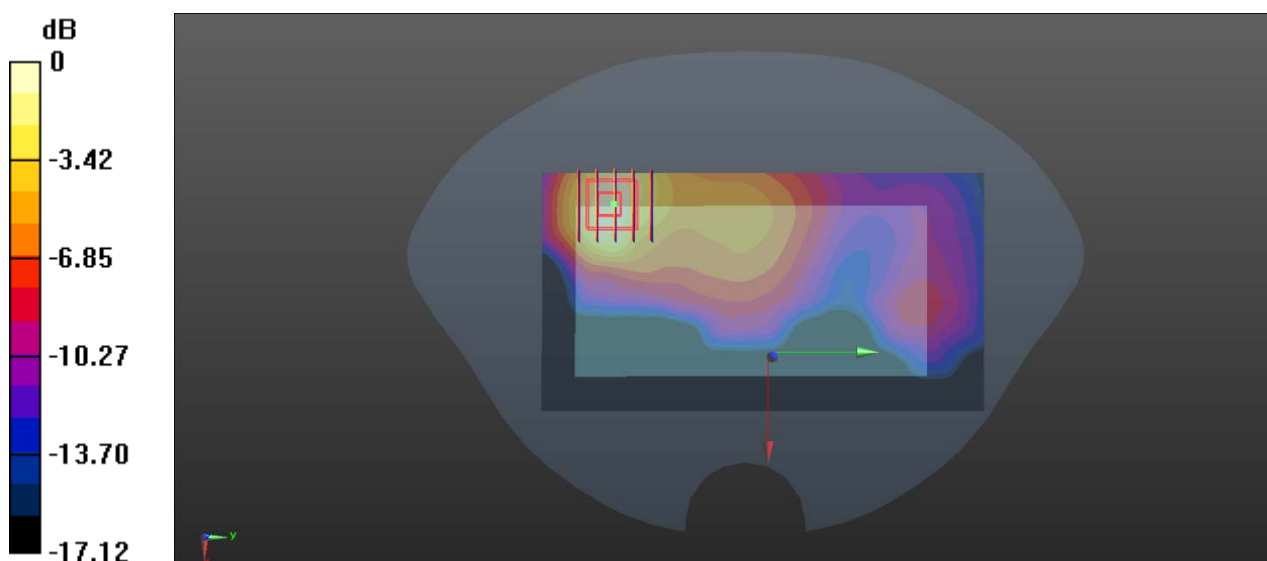
Ch 20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.638 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.237 W/kg

MEAS.24 Body Plane with Top Edge 10mm on Low Channel in LTE B4 mode With Antenna2 and 50RB

Date: 2021.02.13

Communication System Band: LTE B4; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1720$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 40.346$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 20050/Area Scan (41x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.544 W/kg

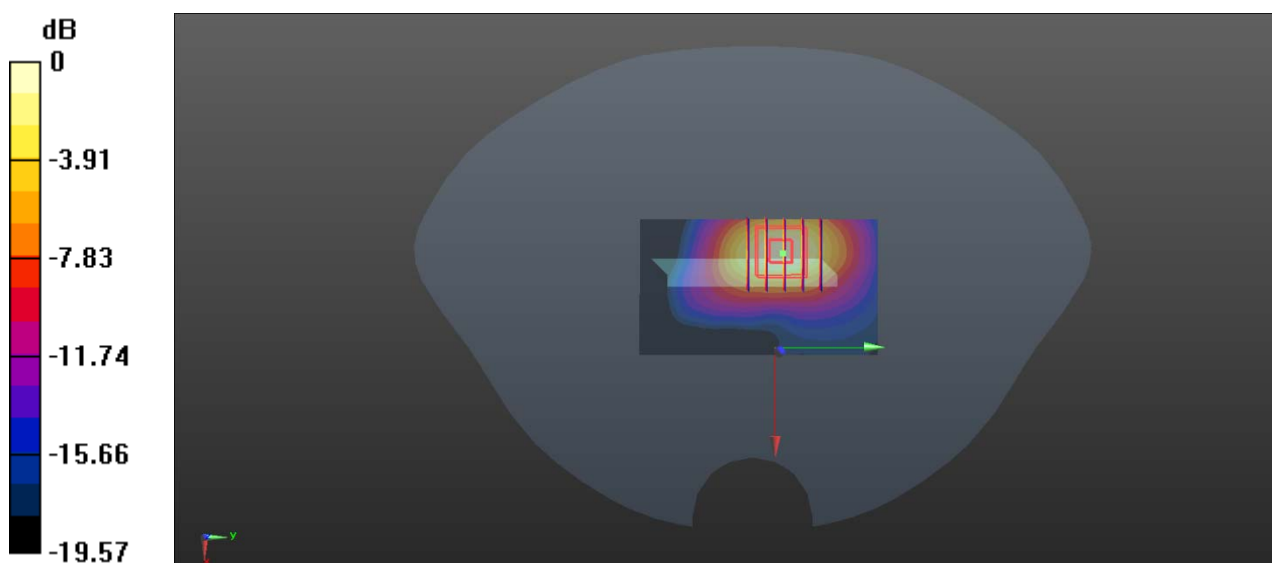
Ch 20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.686 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.862 W/kg

SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.237 W/kg

Maximum value of SAR (measured) = 0.540 W/kg



0 dB = 0.540 W/kg

MEAS.25 Right Head with Cheek on Middle Channel in LTE B5 mode With Antenna2 and 1RB

Date: 2021.02.11

Communication System Band: LTE B5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.926$ S/m; $\epsilon_r = 40.992$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 20525/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.543 W/kg

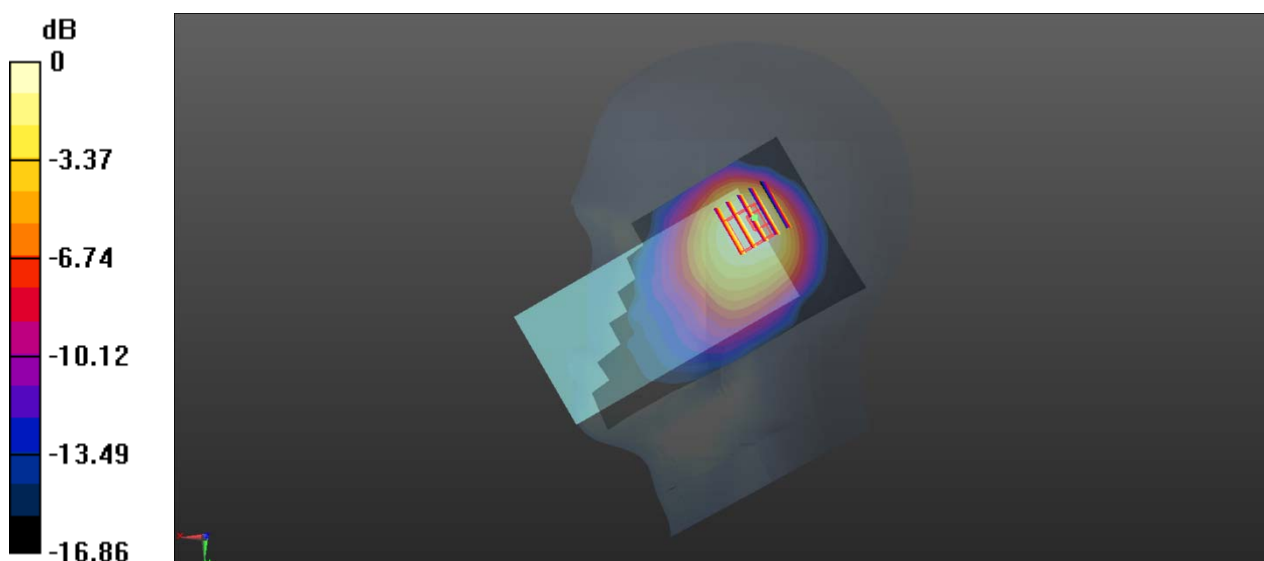
Ch 20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.22 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.809 W/kg

SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.268 W/kg

Maximum value of SAR (measured) = 0.441 W/kg



0 dB = 0.441 W/kg

MEAS.26 Body Plane with Back Side 15mm on Middle Channel in LTE B5 mode With Antenna3 and 1RB

Date: 2021.02.11

Communication System Band: LTE B5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.926$ S/m; $\epsilon_r = 40.992$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.125 W/kg

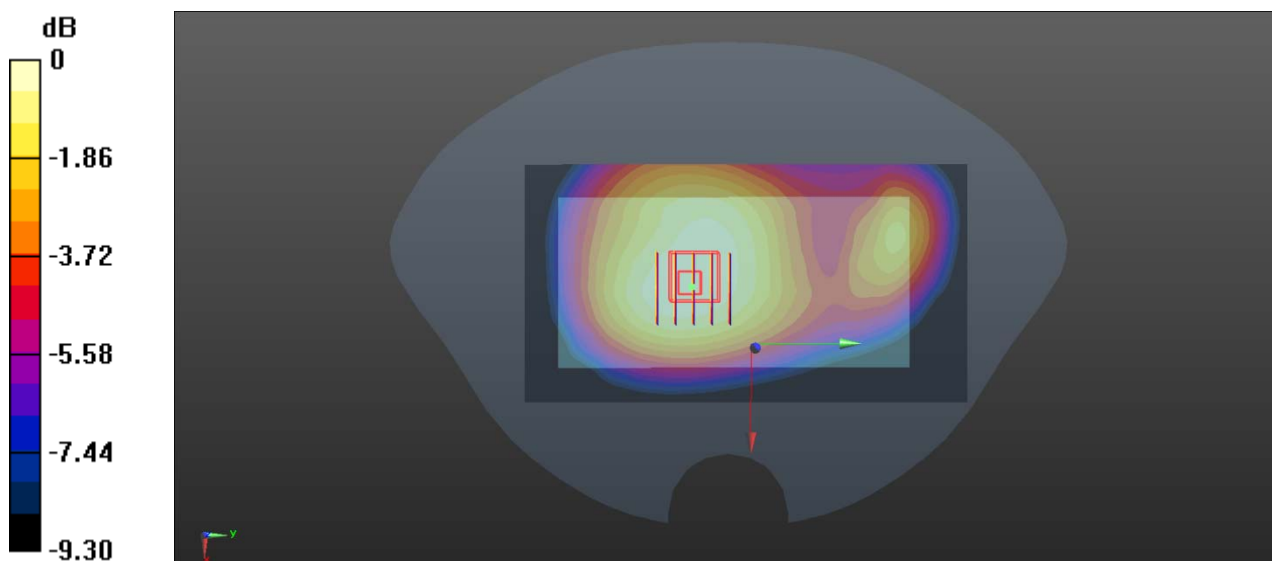
Ch 20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.27 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.123 W/kg



0 dB = 0.123 W/kg

MEAS.27 Body Plane with Back Side 10mm on Middle Channel in LTE B5 mode With Antenna3 and 1RB

Date: 2021.02.11

Communication System Band: LTE B5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.926$ S/m; $\epsilon_r = 40.992$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.206 W/kg

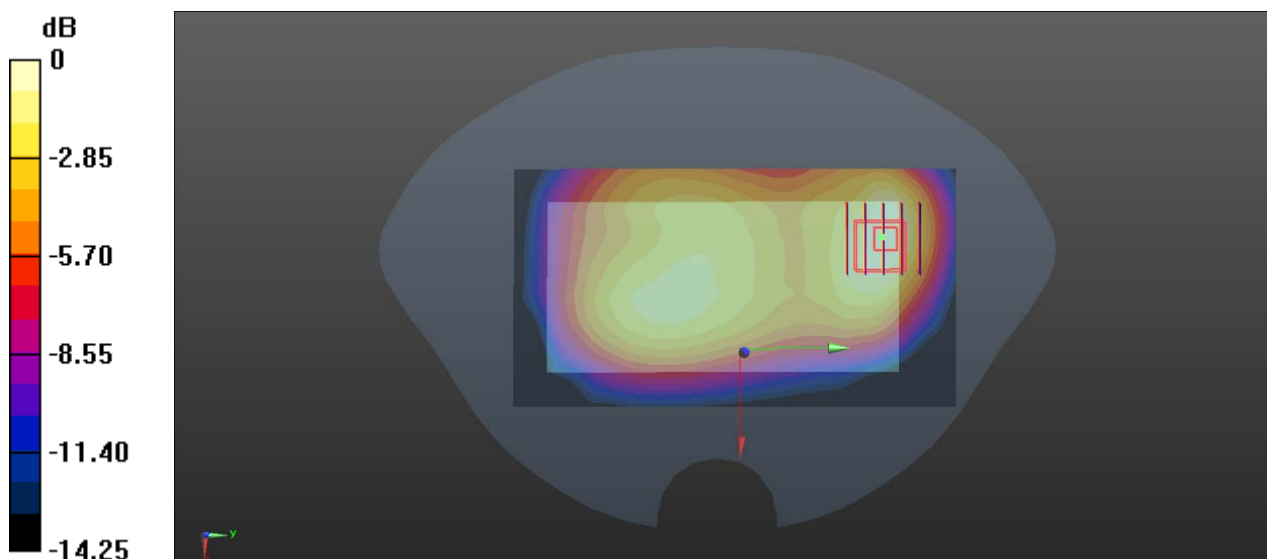
Ch 20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.11 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.199 W/kg



0 dB = 0.199 W/kg

MEAS.28 Right Head with Tilt on Low Channel in LTE B7 mode With Antenna2 and 1RB

Date: 2021.02.19

Communication System Band: LTE B7; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 38.486$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (91x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.636 W/kg

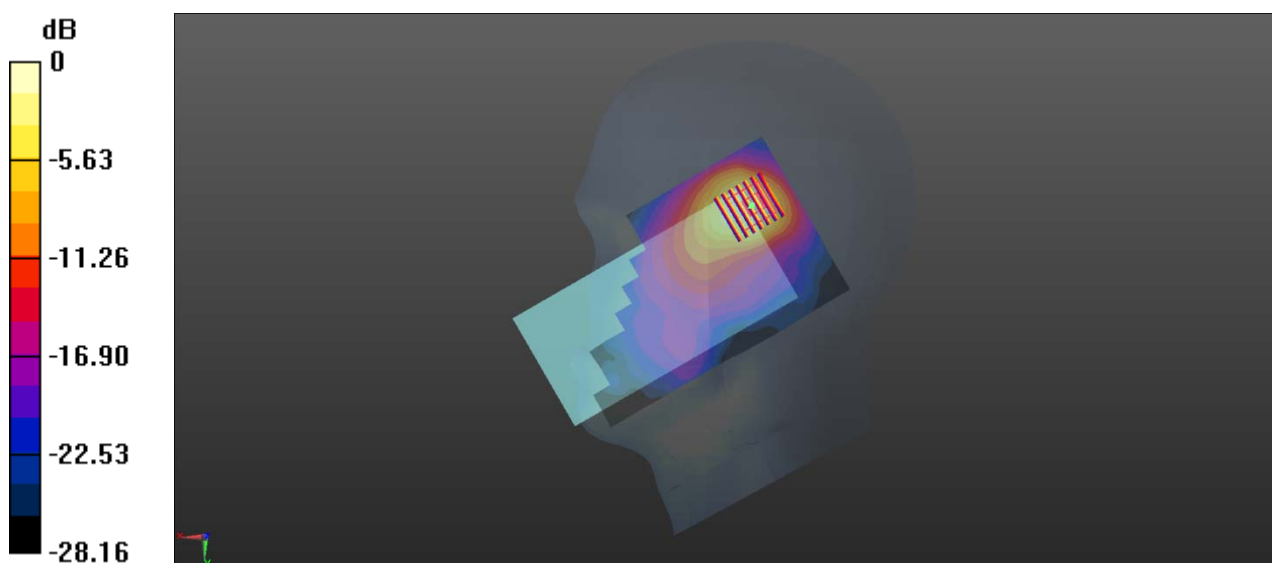
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.685 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 0.580 W/kg



0 dB = 0.580 W/kg

MEAS.29 Body Plane with Back Side 15mm on Middle Channel in LTE B7 mode With Antenna3 and 50RB

Date: 2021.02.19

Communication System Band: LTE B7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.897$ S/m; $\epsilon_r = 38.213$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; 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) = 0.144 W/kg

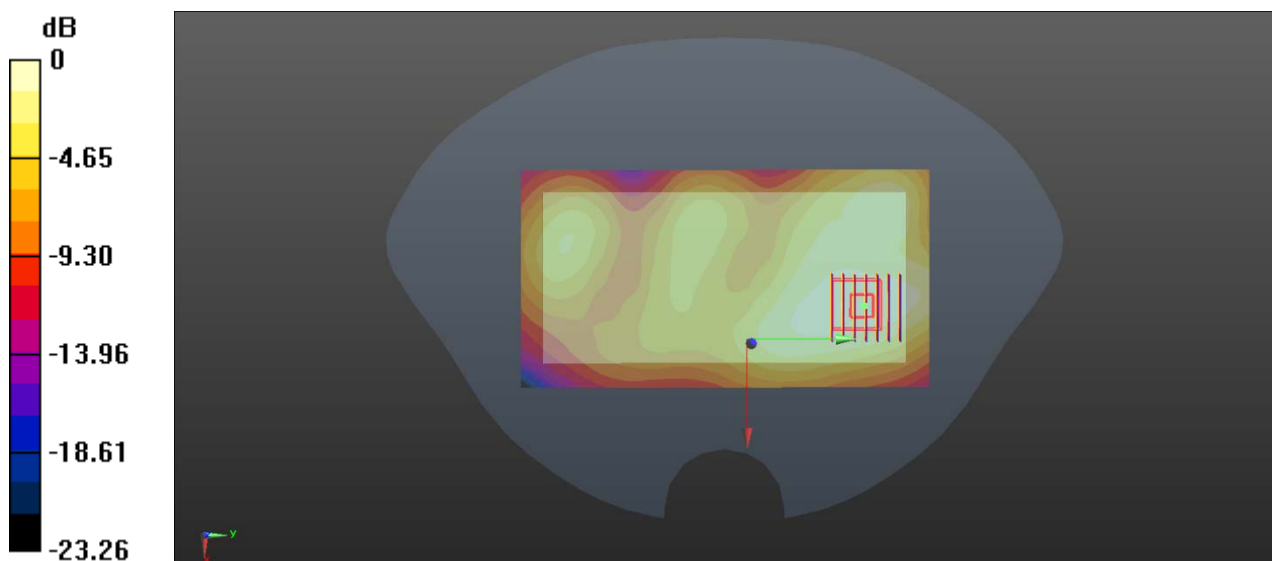
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.376 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.259 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.074 W/kg

Maximum value of SAR (measured) = 0.149 W/kg



0 dB = 0.149 W/kg

MEAS.30 Body Plane with Back Side 10mm on Middle Channel in LTE B7 mode With Antenna3 and 50RB

Date: 2021.02.19

Communication System Band: LTE B7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.897$ S/m; $\epsilon_r = 38.213$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; 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) = 0.337 W/kg

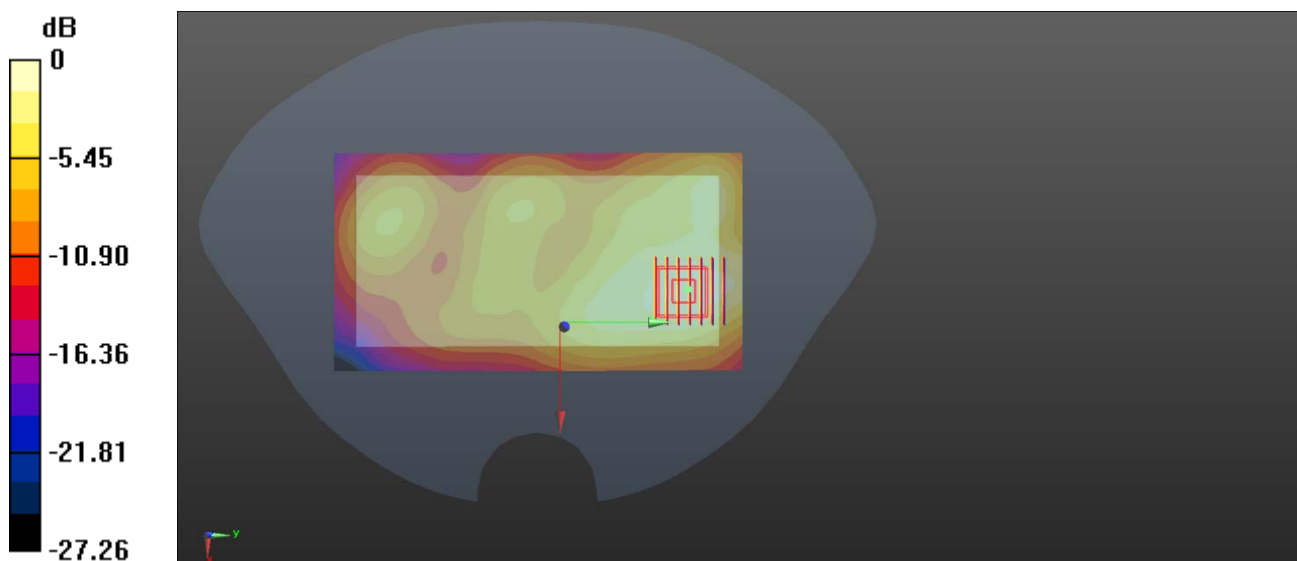
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.667 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.587 W/kg

SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.339 W/kg



0 dB = 0.339 W/kg

MEAS.31 Right Head with Cheek on Low Channel in LTE B12 mode With Antenna2 and 1RB

Date: 2021.02.07

Communication System Band: LTE B12; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709 \text{ MHz}$; $\sigma = 0.884 \text{ S/m}$; $\epsilon_r = 43.164$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Ambient Temperature: 22.2 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0893 W/kg

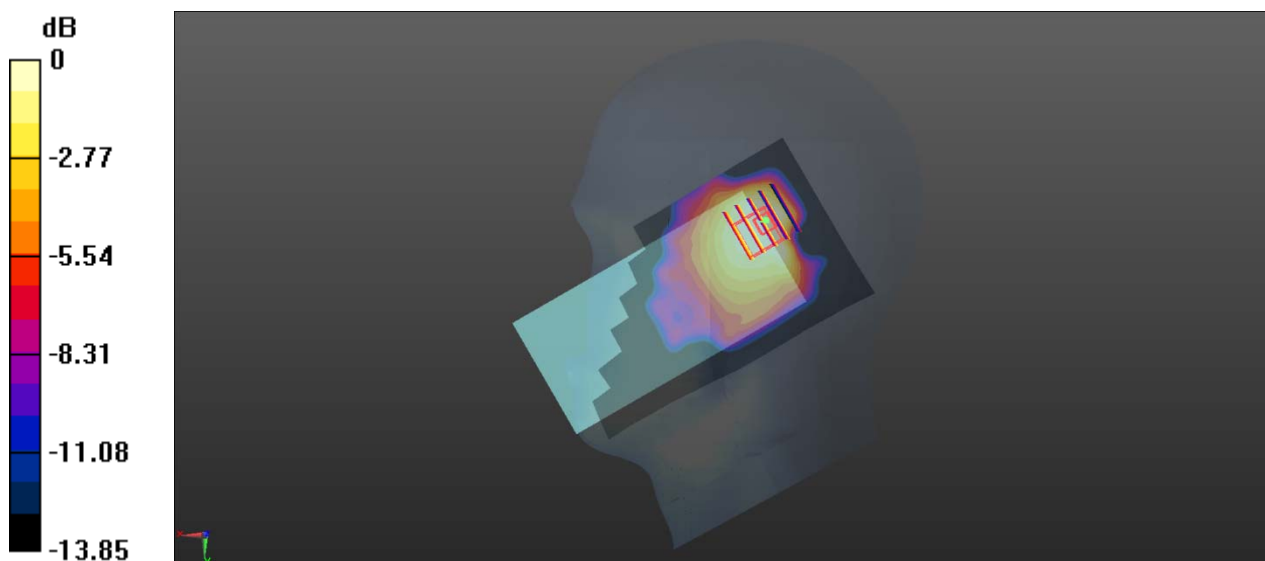
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.371 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.0683 W/kg



0 dB = 0.0683 W/kg

MEAS.32 Body Plane with Back Side 15mm on Low Channel in LTE B12 mode With Antenna3 and 1RB

Date: 2021.02.07

Communication System Band: LTE B12; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.884$ S/m; $\epsilon_r = 43.164$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.109 W/kg

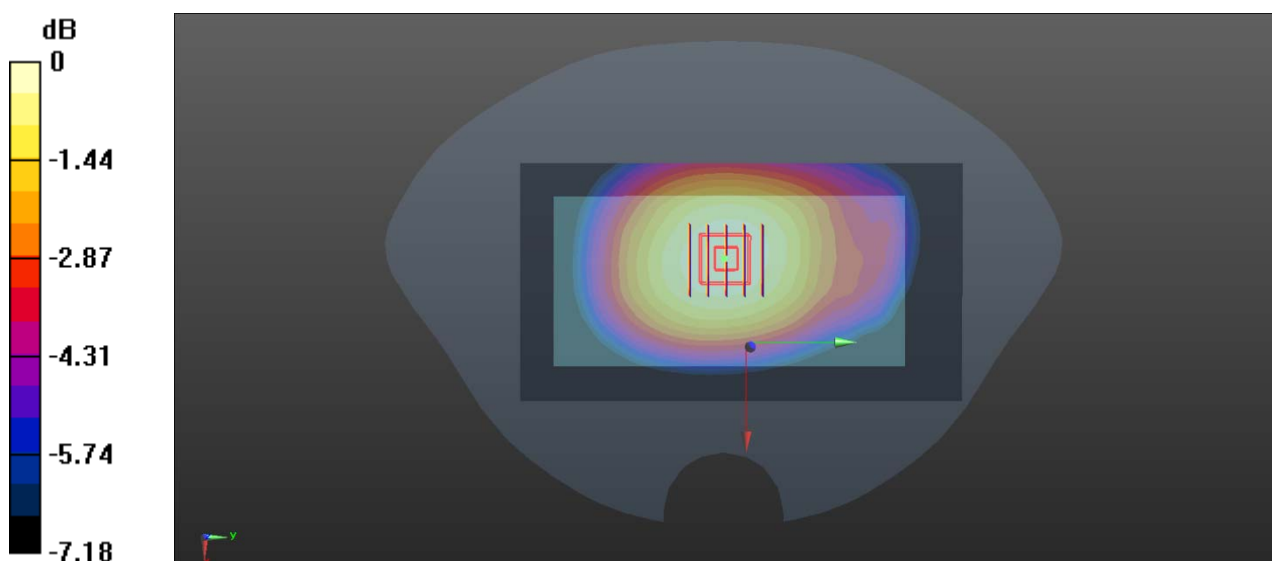
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.08 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.127 W/kg

SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (measured) = 0.109 W/kg



0 dB = 0.109 W/kg

MEAS.33 Body Plane with Right Edge 15mm on Low Channel in LTE B12 mode With Antenna3 and 1RB

Date: 2021.02.07

Communication System Band: LTE B12; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.884$ S/m; $\epsilon_r = 43.164$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (41x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.135 W/kg

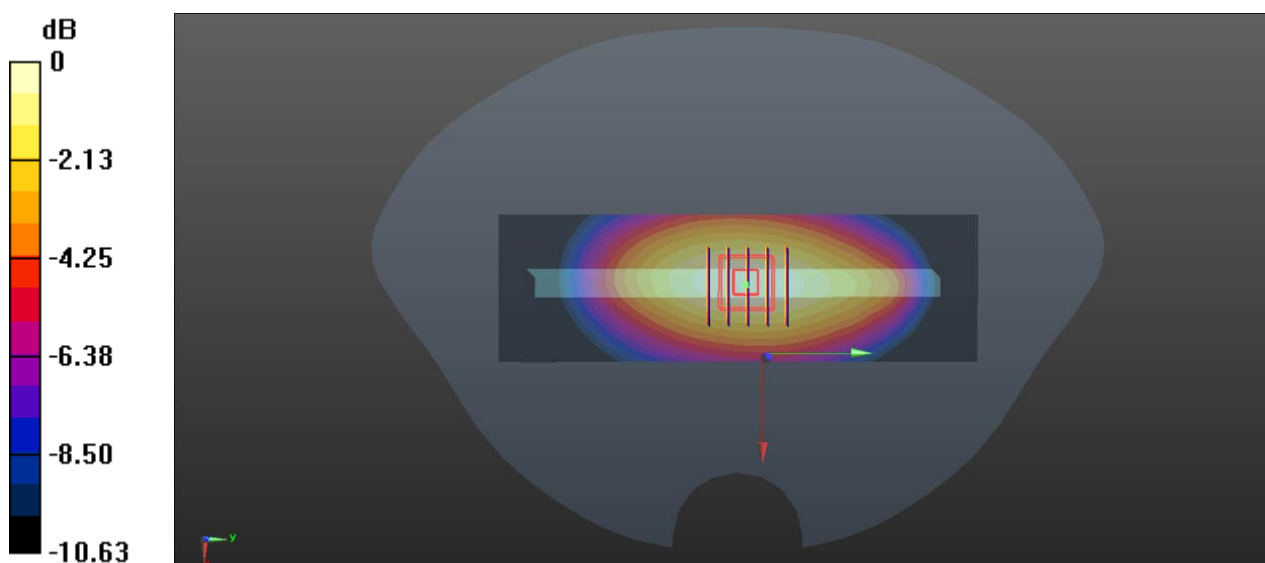
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.065 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.184 W/kg

SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.138 W/kg



0 dB = 0.138 W/kg

MEAS.34 Right Head with Cheek on High Channel in LTE B26 mode With Antenna2 and 1RB

Date: 2021.02.10

Communication System Band: LTE B26; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 841.5$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 40.402$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.356 W/kg

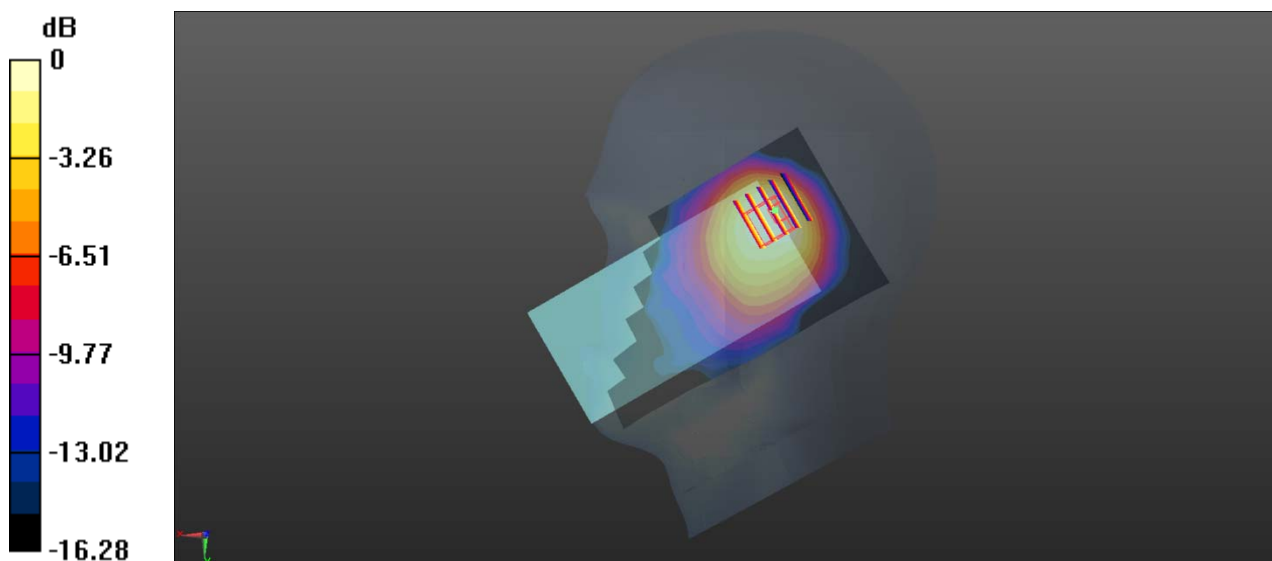
Ch 26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.87 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.529 W/kg

SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 0.287 W/kg



0 dB = 0.287 W/kg

MEAS.35 Body Plane with Back Side 15mm on High Channel in LTE B26 mode With Antenna3 and 1RB

Date: 2021.02.10

Communication System Band: LTE B26; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 841.5$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 40.402$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0944 W/kg

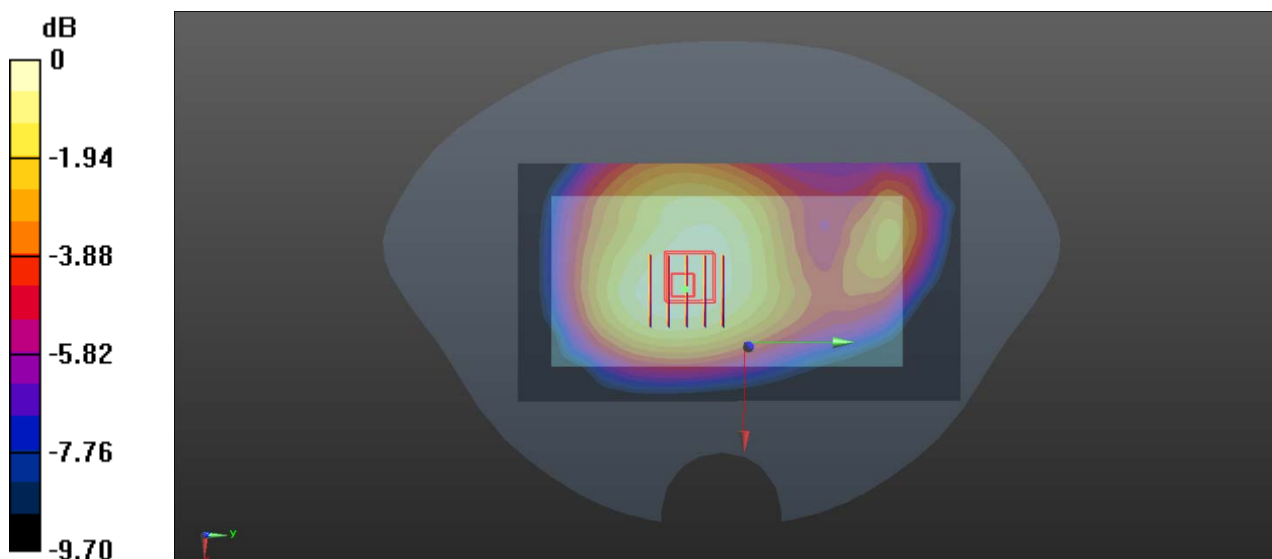
Ch 26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.924 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.115 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.067 W/kg

Maximum value of SAR (measured) = 0.0938 W/kg



0 dB = 0.0938 W/kg

MEAS.36 Body Plane with Back Side 10mm on High Channel in LTE B26 mode With Antenna3 and 1RB

Date: 2021.02.10

Communication System Band: LTE B26; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 841.5$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 40.402$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.134 W/kg

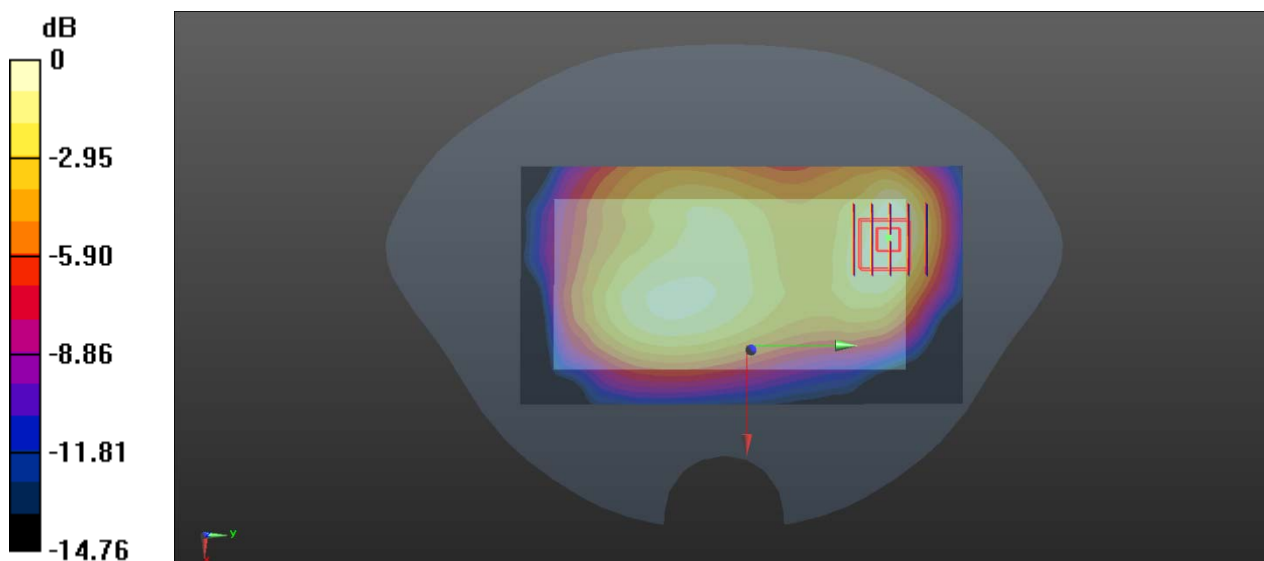
Ch 26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.75 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.194 W/kg

SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.073 W/kg

Maximum value of SAR (measured) = 0.131 W/kg



0 dB = 0.131 W/kg

MEAS.37 Right Head with Cheek on Low Channel in LTE B66 mode With Antenna2 and 1RB

Date: 2021.02.14

Communication System Band: LTE B66; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1720$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 40.346$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 132072/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.17 W/kg

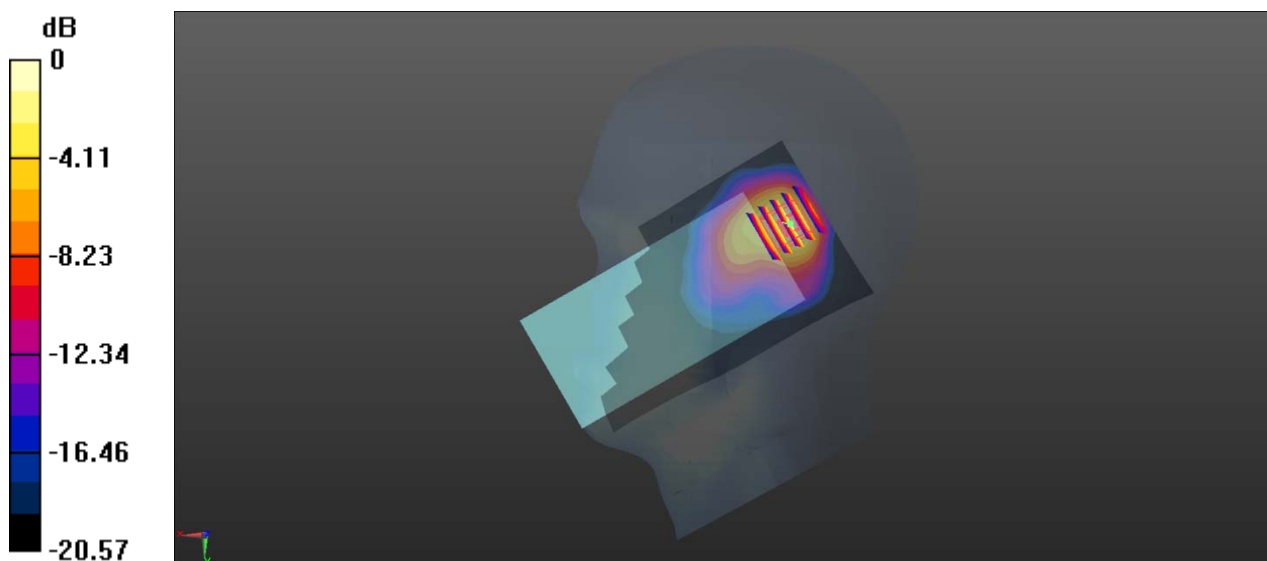
Ch 132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.17 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.544 W/kg

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg

MEAS.38 Body Plane with Back 15mm on High Channel in LTE B66 mode With Antenna3 and 50RB

Date: 2021.02.14

Communication System Band: LTE B66; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 39.991$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 132572/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.175 W/kg

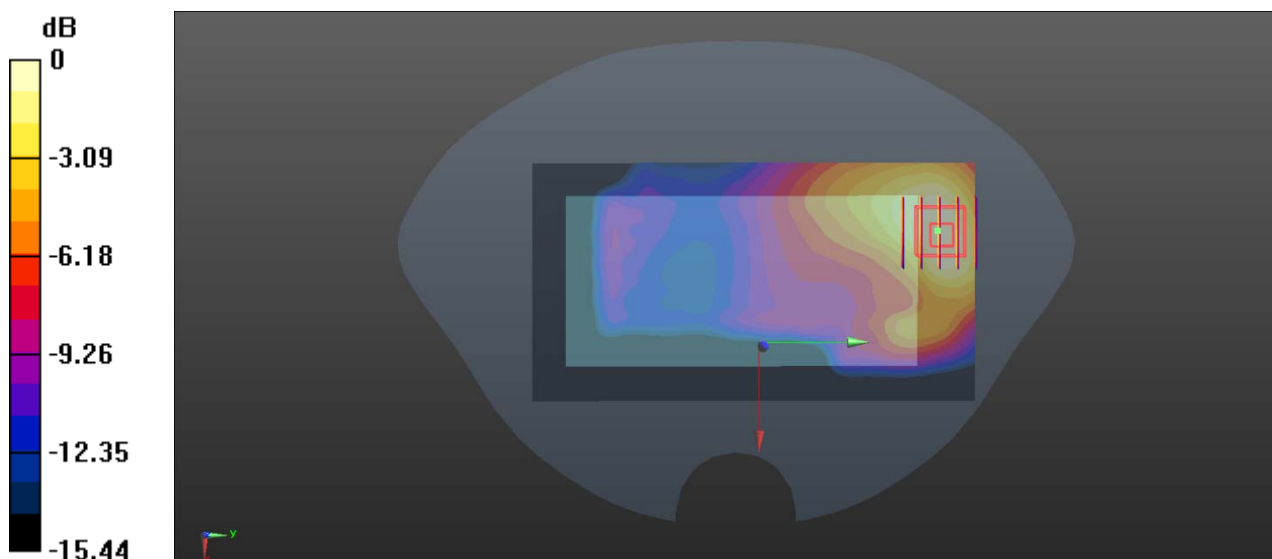
Ch 132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.248 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.245 W/kg

SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (measured) = 0.170 W/kg



0 dB = 0.170 W/kg

MEAS.39 Body Plane with Top 10mm on Low Channel in LTE B66 mode With Antenna2 and 1RB

Date: 2021.02.14

Communication System Band: LTE B66; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1720$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 40.346$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 132072/Area Scan (31x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.667 W/kg

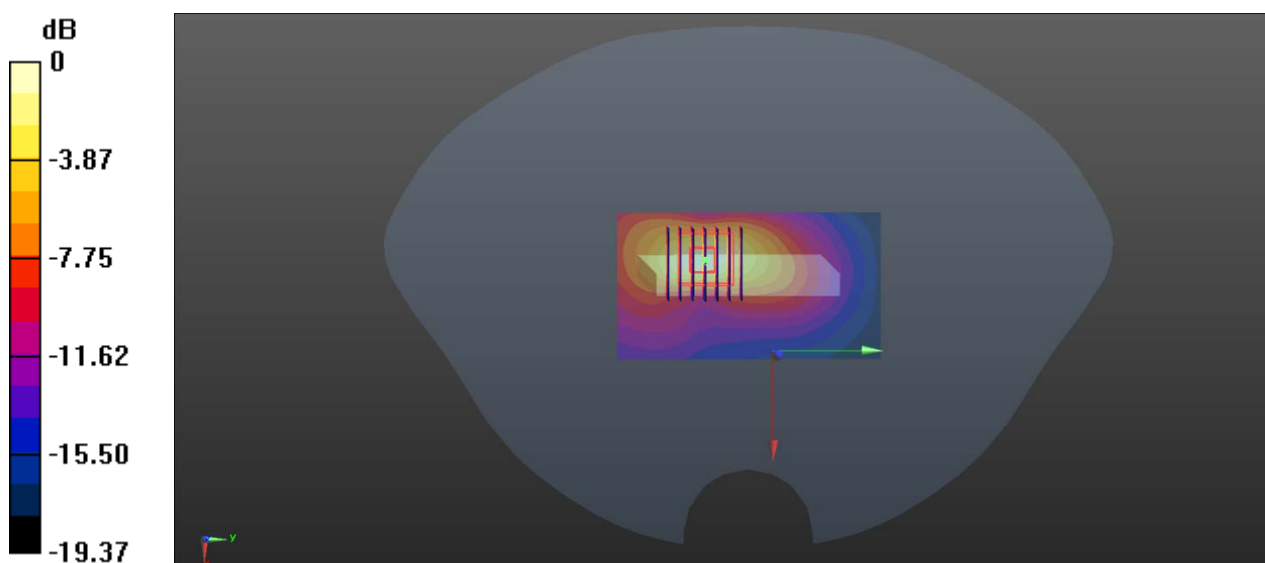
Ch 132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.53 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.297 W/kg

Maximum value of SAR (measured) = 0.657 W/kg



0 dB = 0.657 W/kg

MEAS.40 Body Plane with Top 0mm on Low Channel in LTE B66 mode With Antenna2 and 1RB

Date: 2021.02.14

Communication System Band: LTE B66; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1720$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 40.346$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 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 (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132072/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.92 W/kg

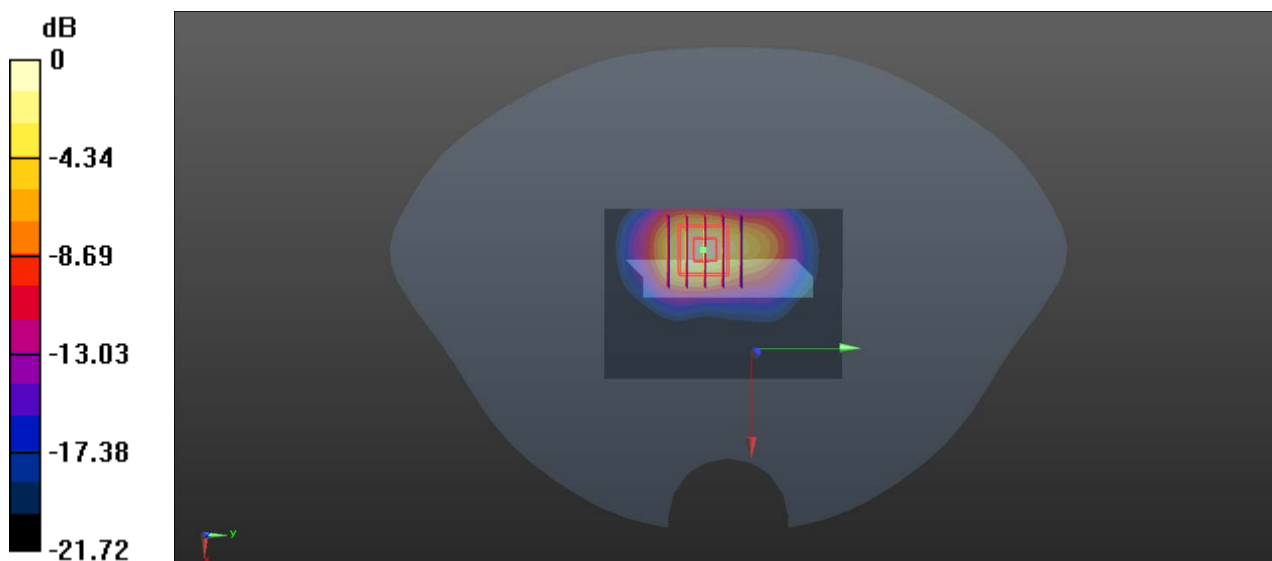
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.14 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 8.23 W/kg

SAR(1 g) = 3.5 W/kg; SAR(10 g) = 1.5 W/kg

Maximum value of SAR (measured) = 4.29 W/kg



0 dB = 4.29 W/kg

MEAS.41 Right Head with Cheek on Low Channel in LTE B38 mode With Antenna2 and 50RB

Date: 2021.02.20

Communication System Band: LTE Band 38; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.887$ S/m; $\epsilon_r = 38.928$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3 Liquid Temperature: 21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (91x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.581 W/kg

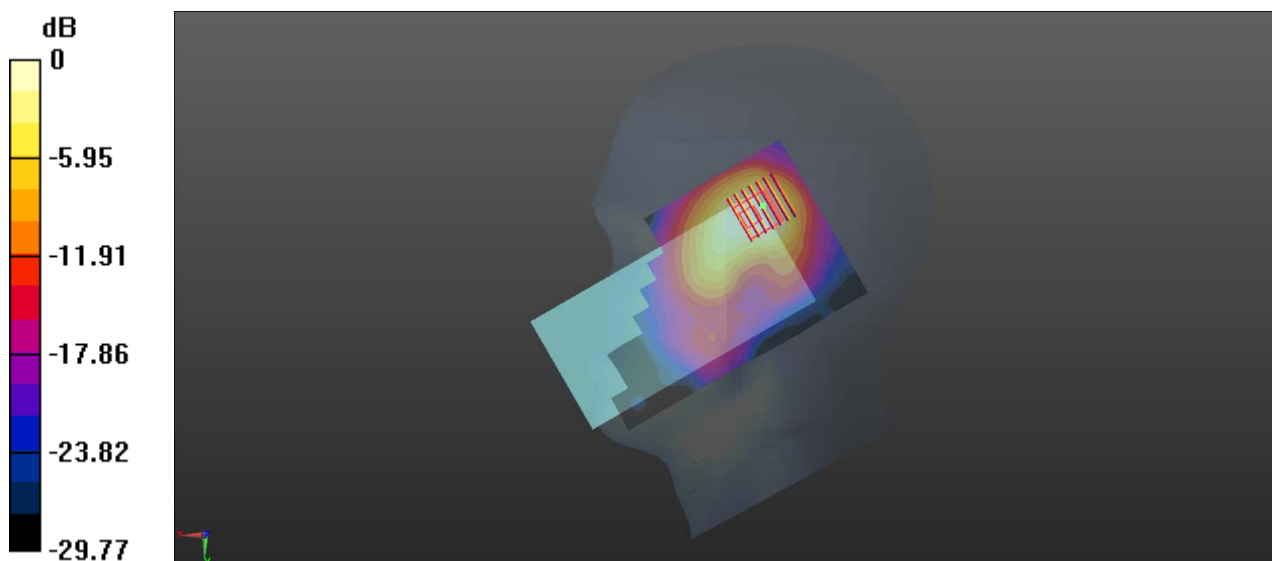
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.286 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.587 W/kg



0 dB = 0.587 W/kg

MEAS.42 Body Plane with Back Side 15mm on High Channel in LTE B38 mode With Antenna3 and 1RB

Date: 2021.02.20

Communication System Band: LTE Band 38; Frequency: 2610 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2610$ MHz; $\sigma = 1.958$ S/m; $\epsilon_r = 38.481$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; 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) = 0.179 W/kg

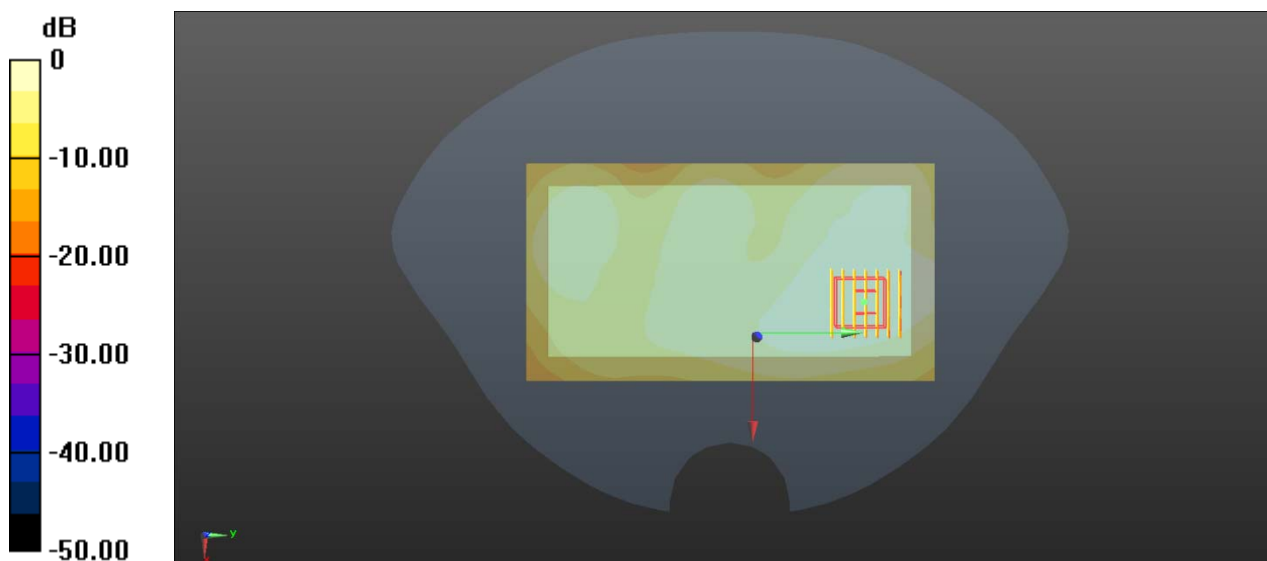
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.008 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.328 W/kg

SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.091 W/kg

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



0 dB = 0.185 W/kg

MEAS.43 Body Plane with Back Side 10mm on High Channel in LTE B38 mode With Antenna3 and 1RB

Date: 2021.02.20

Communication System Band: LTE Band 38; Frequency: 2610 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2610$ MHz; $\sigma = 1.958$ S/m; $\epsilon_r = 38.481$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.384 W/kg

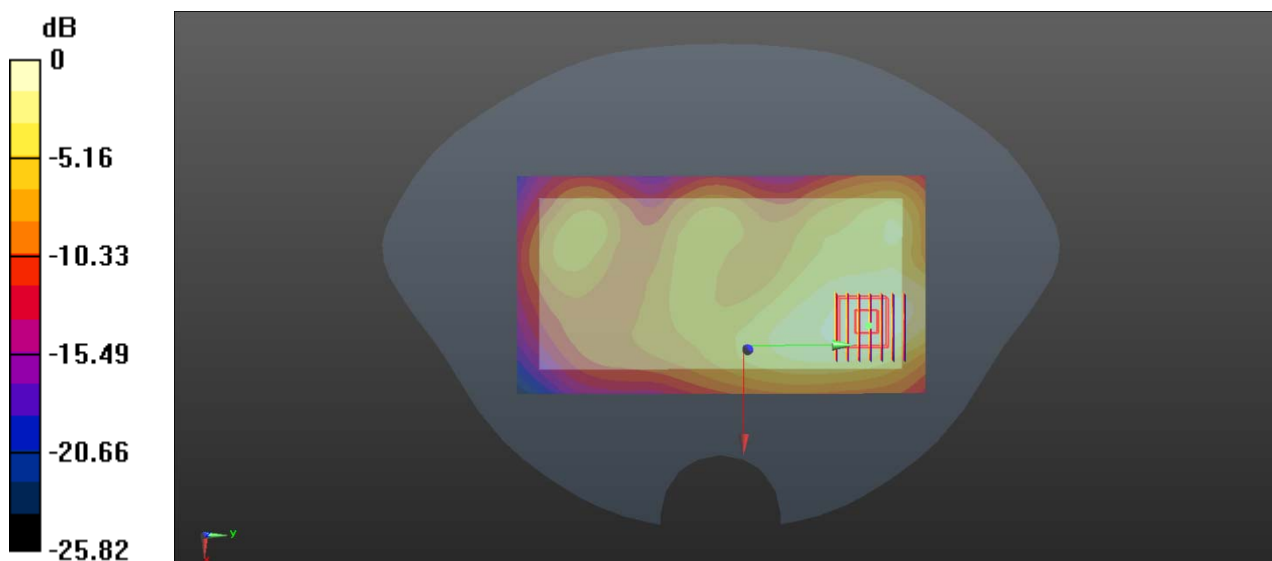
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.307 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.696 W/kg

SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (measured) = 0.399 W/kg



0 dB = 0.399 W/kg

MEAS.44 Right Head with Cheek on Low Channel in LTE B41 mode With Antenna2 and 1RB

Date: 2021.02.21

Communication System Band: LTE Band 41; Frequency: 2545 MHz;Duty Cycle: 1:1.58

Medium parameters used: $f = 2545$ MHz; $\sigma = 1.843$ S/m; $\epsilon_r = 38.809$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40140/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.535 W/kg

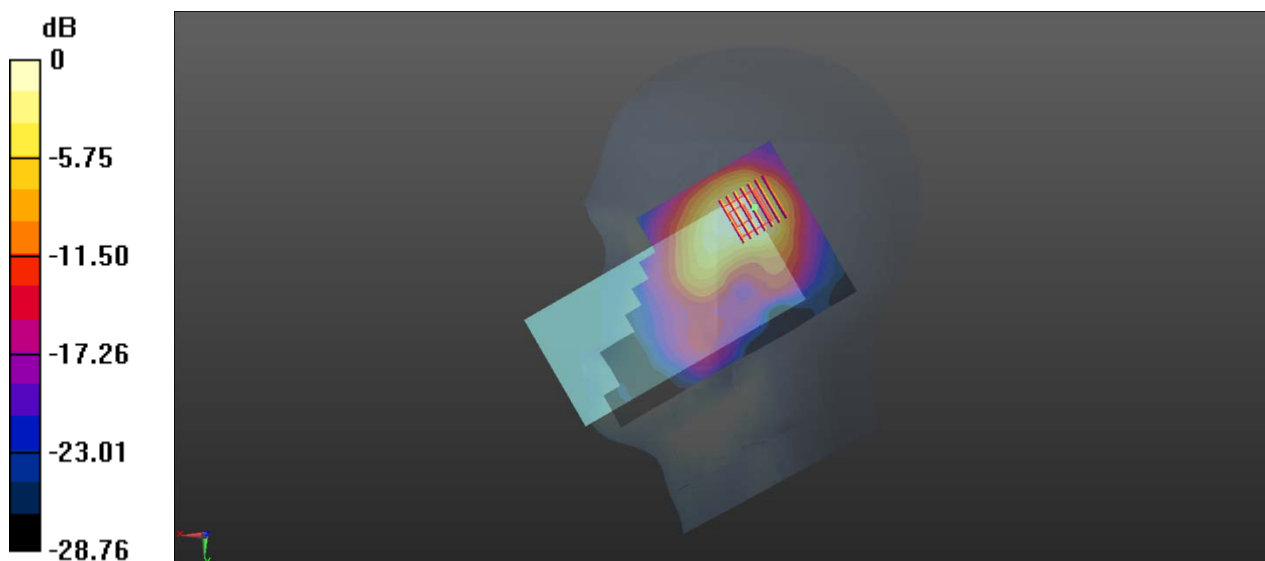
Ch40140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.327 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.227 W/kg

Maximum value of SAR (measured) = 0.546 W/kg



0 dB = 0.546 W/kg

MEAS.45 Body Plane with Back Side 15mm on Middle Channel in LTE B41 mode With Antenna3 and 1RB

Date: 2021.02.21

Communication System Band: LTE Band 41; Frequency: 2607.5 MHz; Duty Cycle: 1:1.58

Medium parameters used (extrapolated): $f = 2607.5$ MHz; $\sigma = 1.973$ S/m; $\epsilon_r = 38.146$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; 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) = 0.201 W/kg

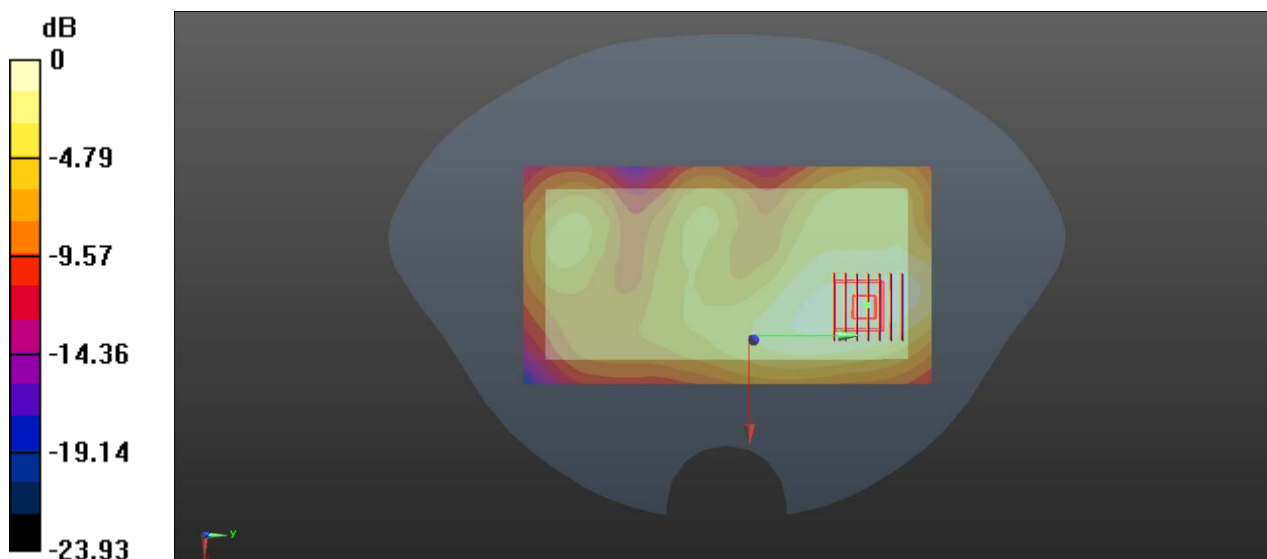
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.088 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.368 W/kg

SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.101 W/kg

Maximum value of SAR (measured) = 0.206 W/kg



0 dB = 0.206 W/kg

MEAS.46 Body Plane with Back Side 10mm on Middle Channel in LTE B41 mode With Antenna3 and 1RB

Date: 2021.02.21

Communication System Band: LTE Band 41; Frequency: 2607.5 MHz; Duty Cycle: 1:1.58

Medium parameters used: $f = 2607.5$ MHz; $\sigma = 1.973$ S/m; $\epsilon_r = 38.146$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; 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) = 0.423 W/kg

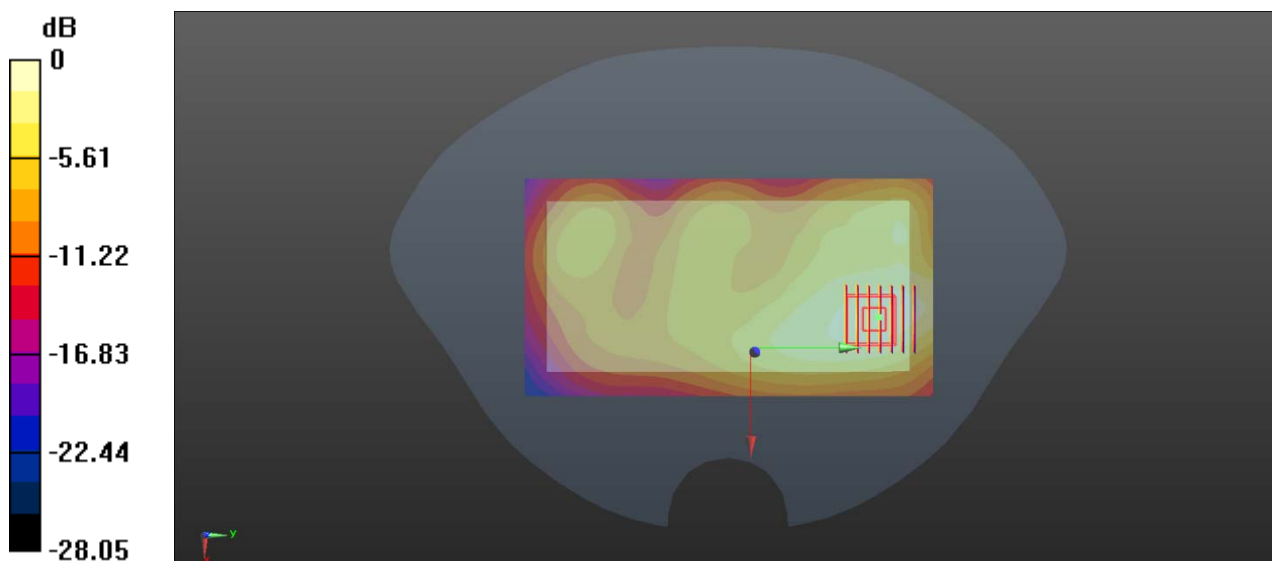
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.471 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.762 W/kg

SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.198 W/kg

Maximum value of SAR (measured) = 0.434 W/kg



0 dB = 0.434 W/kg

MEAS.47 Left Head with Cheek on Middle Channel in IEEE802.11b mode

Date: 2021.02.18

Communication System Band: WLAN(b); Frequency: 2437 MHz; Duty Cycle: 1:1.008

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.736$ S/m; $\epsilon_r = 39.077$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.4 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (91x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.518 W/kg

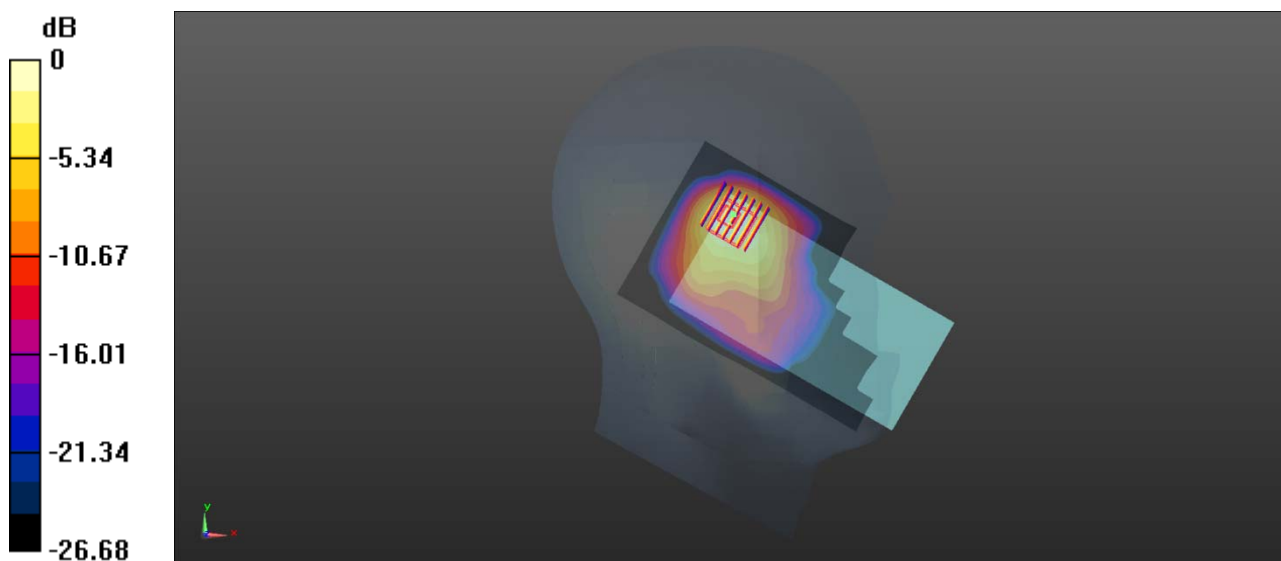
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.030 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.457 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 0.489 W/kg



0 dB = 0.489 W/kg

MEAS.48 Body Plane with Back Side 15mm on Middle Channel in IEEE802.11b mode

Date: 2021.02.18

Communication System Band: WLAN(b); Frequency: 2437 MHz; Duty Cycle: 1:1.008

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.736$ S/m; $\epsilon_r = 39.007$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0198 W/kg

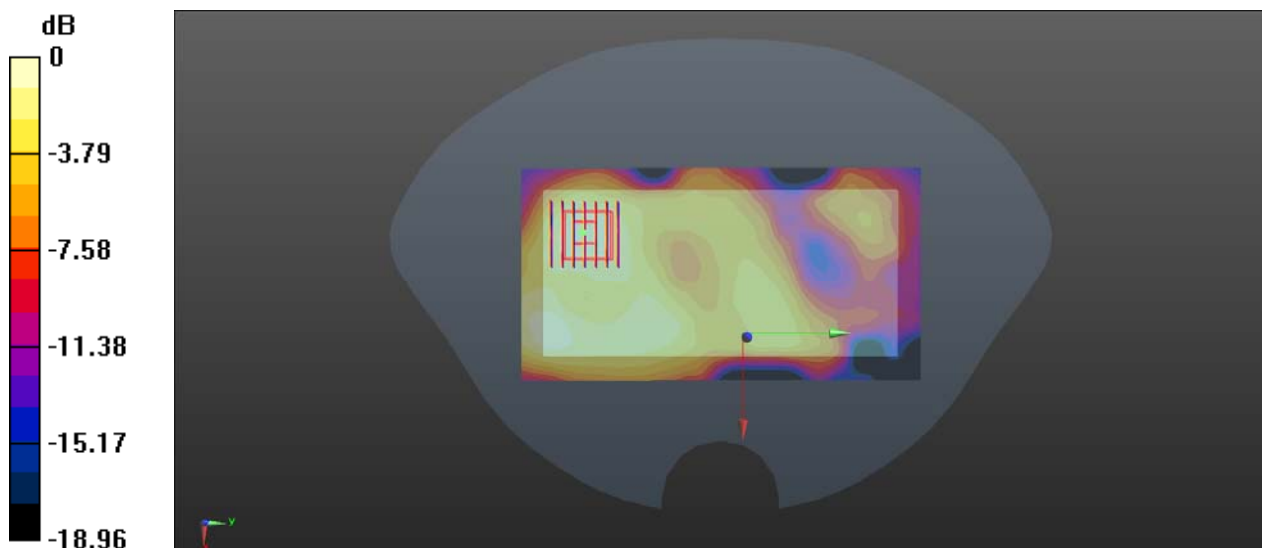
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.899 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.0330 W/kg

SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.010 W/kg

Maximum value of SAR (measured) = 0.0198 W/kg



0 dB = 0.0198 W/kg

MEAS.49 Body Plane with Back Side 10mm on Middle Channel in IEEE802.11b mode

Date: 2021.02.18

Communication System Band: WLAN(b); Frequency: 2437 MHz; Duty Cycle: 1:1.008

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.736$ S/m; $\epsilon_r = 39.007$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0872 W/kg

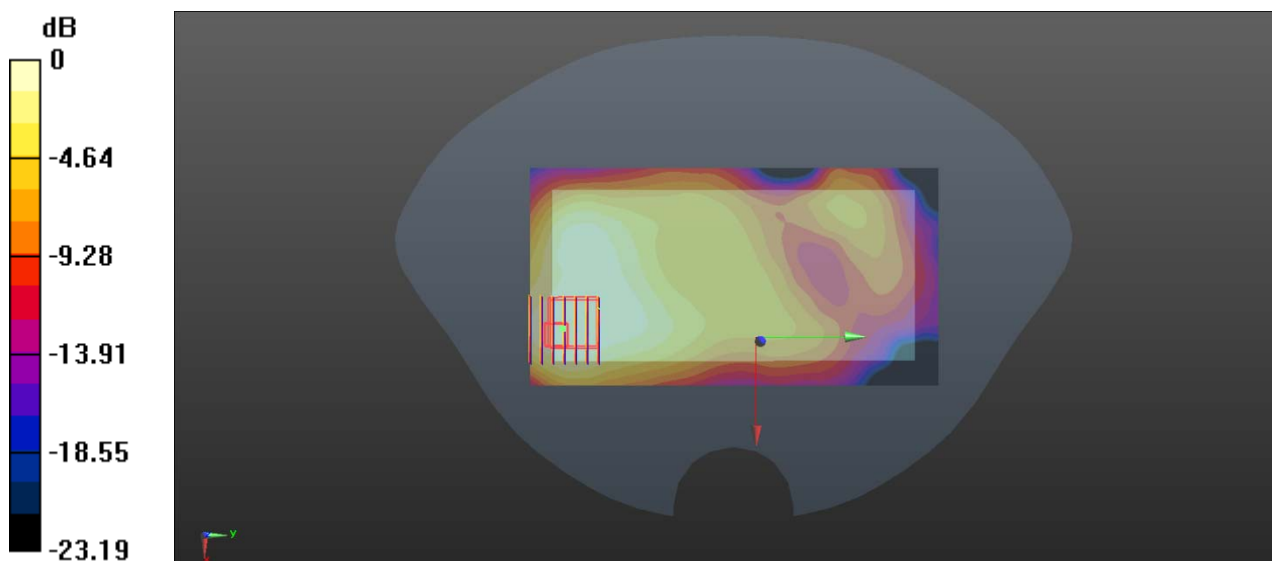
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.849 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.044 W/kg

Maximum value of SAR (measured) = 0.0862 W/kg



0 dB = 0.0862 W/kg

MEAS.50 Left Head with Tilt on Channel 60 in IEEE802.11a mode

Date: 2021.02.22

Communication System Band: WLAN(a); Frequency: 5300 MHz;Duty Cycle: 1:1.033

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.782$ S/m; $\epsilon_r = 36.506$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.3, 5.3, 5.3); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch60/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.719 W/kg

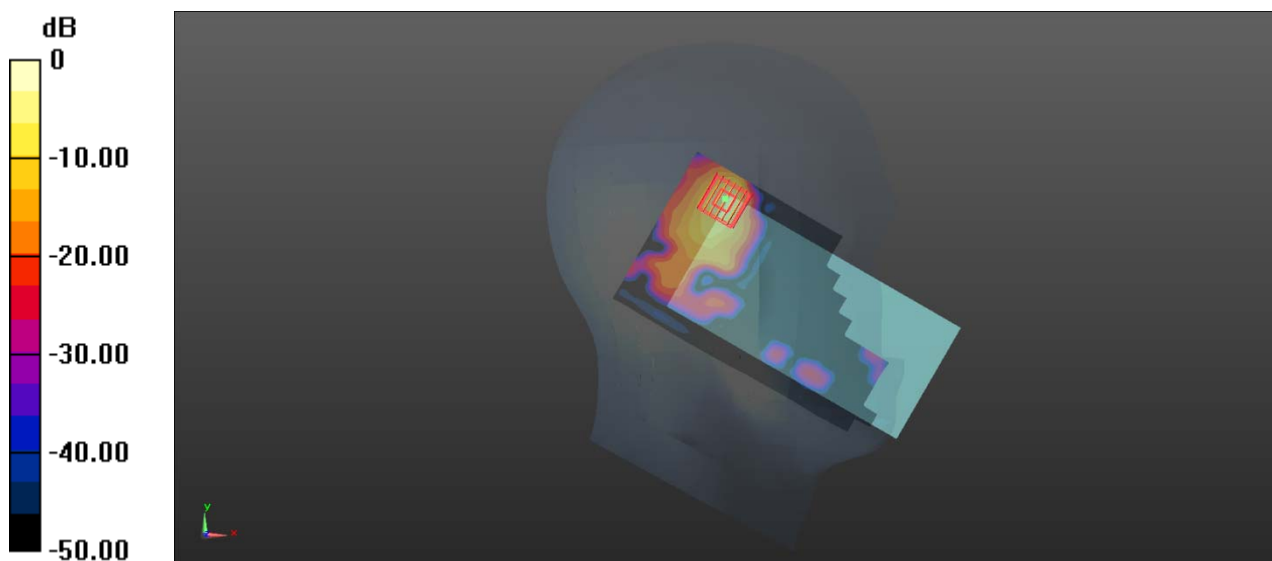
Ch60/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.519 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.19 W/kg

SAR(1 g) = 0.637 W/kg; SAR(10 g) = 0.156 W/kg

Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg

MEAS.51 Left Head with Tilt on Channel 100 in IEEE802.11a mode

Date: 2021.02.23

Communication System Band: WLAN(a); Frequency: 5500 MHz; Duty Cycle: 1:1.033

Medium parameters used (interpolated): $f = 5500$ MHz; $\sigma = 4.966$ S/m; $\epsilon_r = 36.927$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.3 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.85, 4.85, 4.85); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.498 W/kg

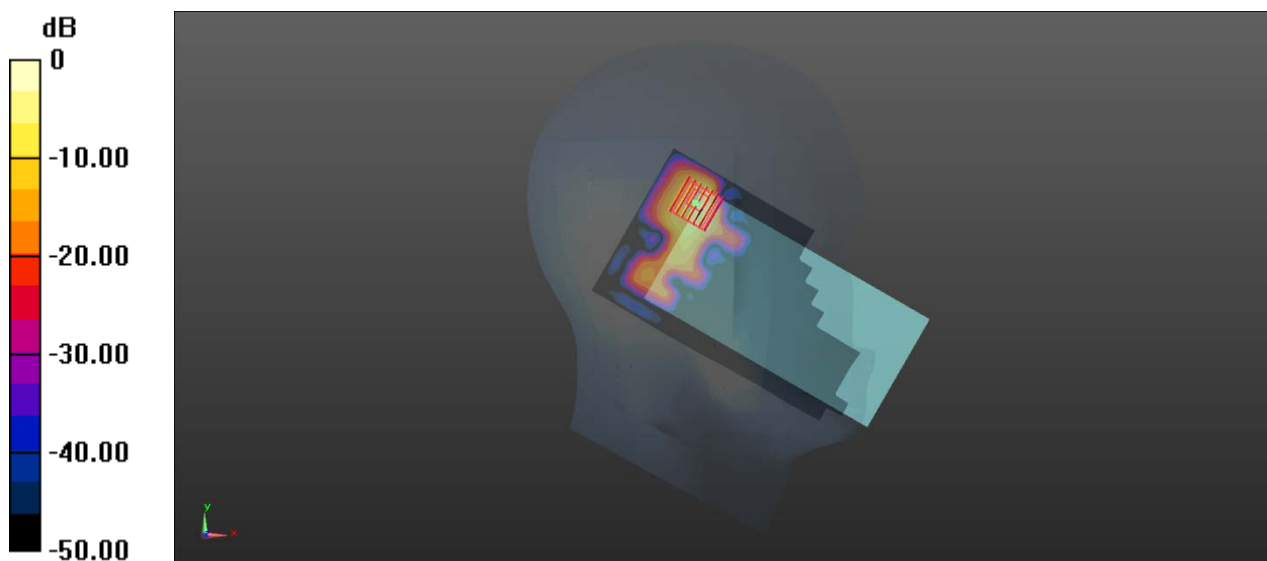
Ch100/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 2.123 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.109 W/kg

Maximum value of SAR (measured) = 0.920 W/kg



0 dB = 0.920 W/kg

MEAS.52 Left Head with Tilt on Channel 155 in IEEE802.11a mode

Date: 2021.02.24

Communication System Band: WLAN(a); Frequency: 5775 MHz; Duty Cycle: 1:1.137

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.309$ S/m; $\epsilon_r = 35.449$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.86, 4.86, 4.86); Calibrated: 2020.08.07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.311 W/kg

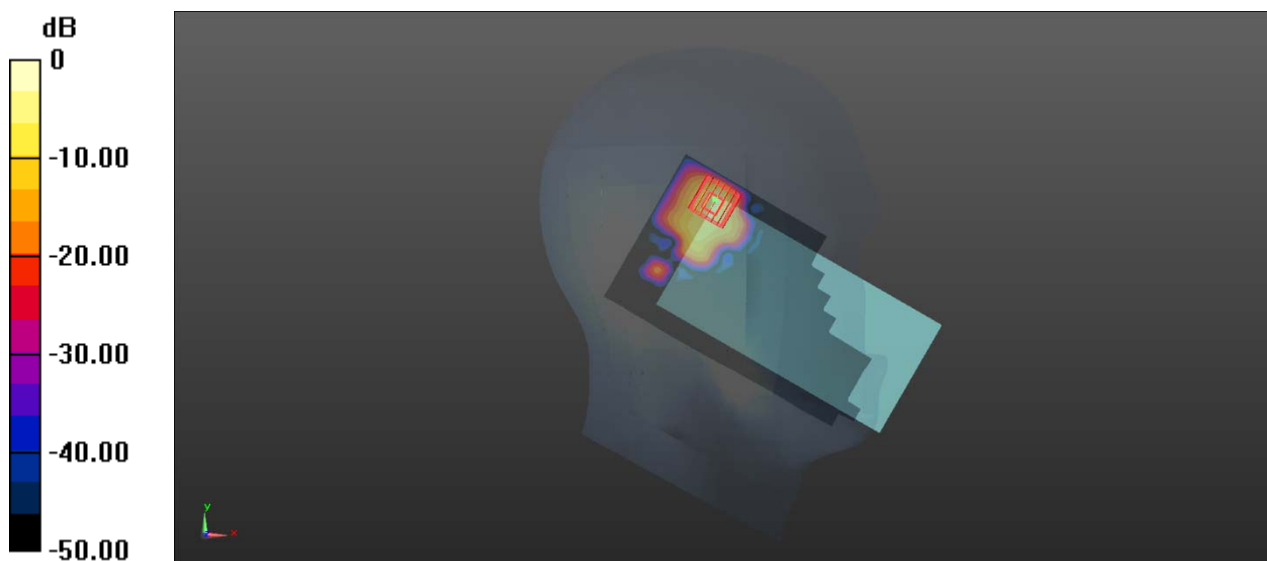
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.451 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.063 W/kg

Maximum value of SAR (measured) = 0.634 W/kg



0 dB = 0.634 W/kg

MEAS.53 Body Plane with Back Side 15mm on Channel 60 in IEEE802.11a mode

Date: 2021.02.22

Communication System Band: WLAN(a); Frequency: 5300 MHz; Duty Cycle: 1:1.033

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.782$ S/m; $\epsilon_r = 36.506$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.3, 5.3, 5.3); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch60/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.417 W/kg

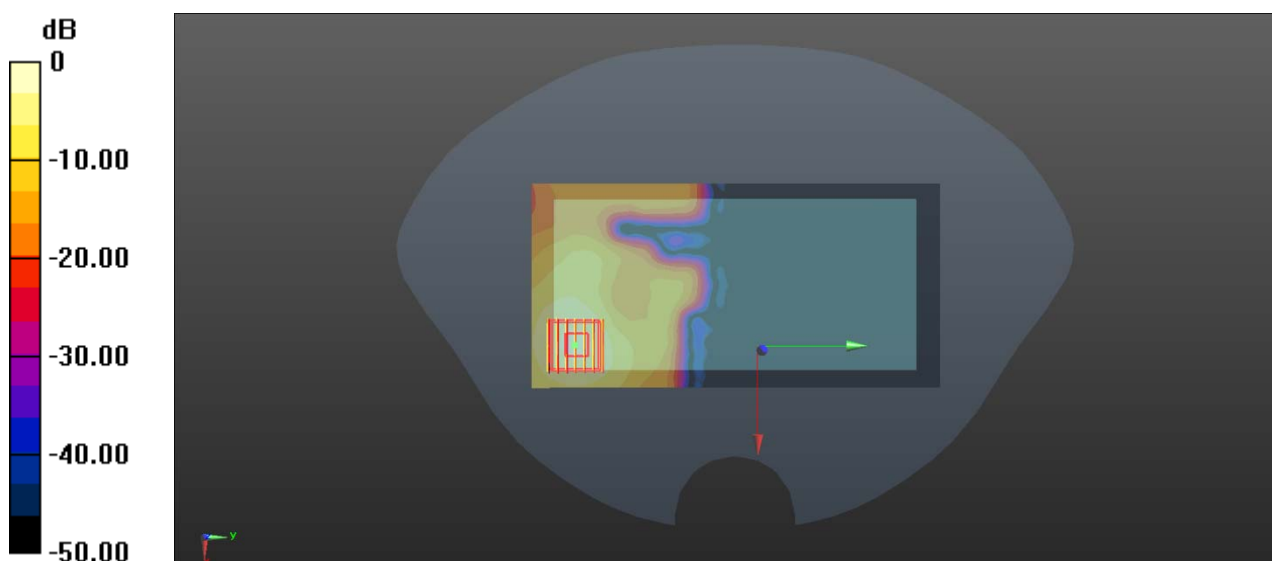
Ch60/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.767 W/kg



0 dB = 0.767 W/kg

MEAS.54 Body Plane with Back Side 15mm on Channel 116 in IEEE802.11a mode

Date: 2021.02.23

Communication System Band: WLAN(a); Frequency: 5580 MHz; Duty Cycle: 1:1.033

Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 5.158$ S/m; $\epsilon_r = 36.716$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.85, 4.85, 4.85); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch116/Area Scan (91x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.248 W/kg

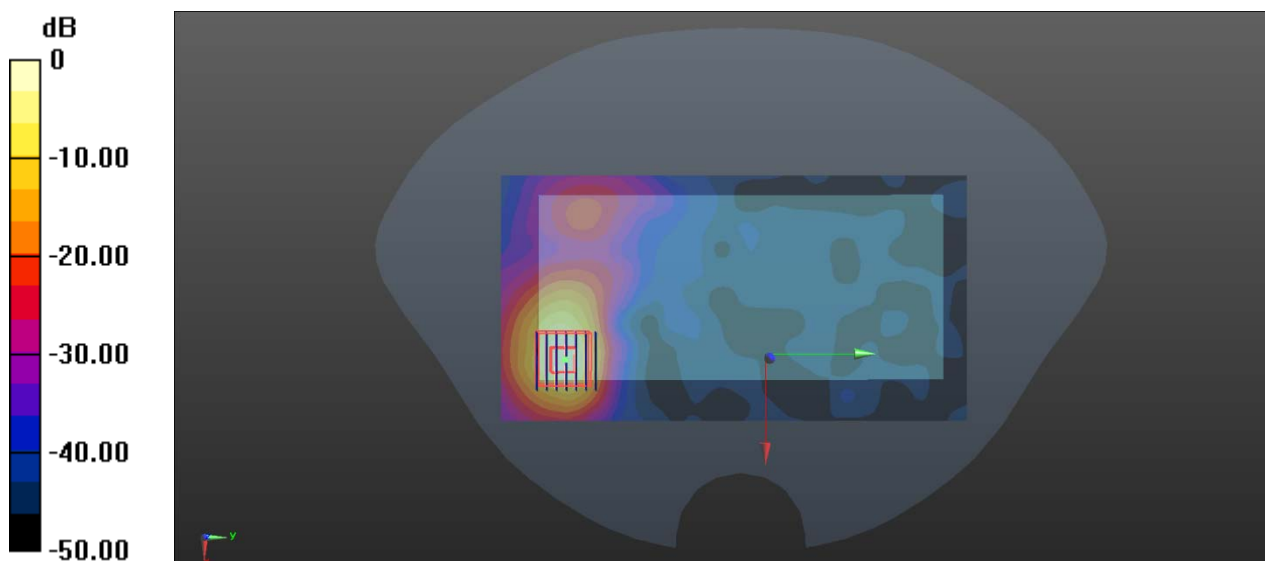
Ch116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.8680 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.917 W/kg

SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.469 W/kg



0 dB = 0.469 W/kg

MEAS.55 Body Plane with Front Side 15mm on Channel 155 in IEEE802.11a mode

Date: 2021.02.24

Communication System Band: WLAN(a); Frequency: 5775 MHz; Duty Cycle: 1:1.137

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.309$ S/m; $\epsilon_r = 35.449$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.86, 4.86, 4.86); Calibrated: 2020.08.07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

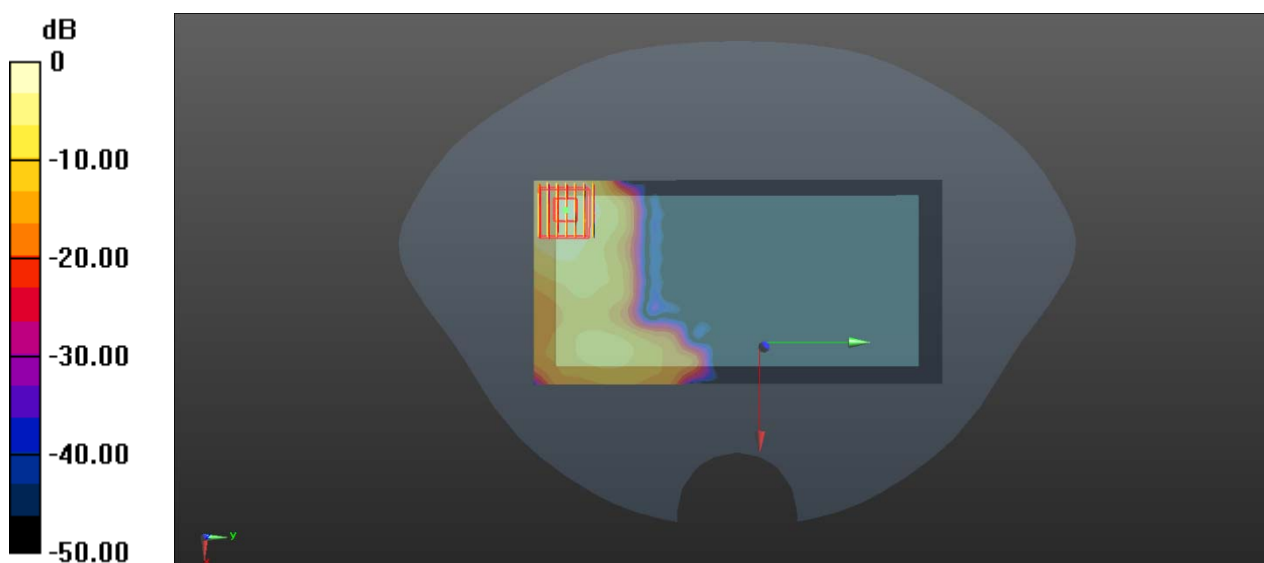
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.786 W/kg

SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.080 W/kg

Maximum value of SAR (measured) = 0.375 W/kg



0 dB = 0.375 W/kg

MEAS.56 Body Plane with Top Edge on 10mm Channel 48 in IEEE802.11a mode

Date: 2021.02.22

Communication System Band: WLAN(a); Frequency: 5240 MHz; Duty Cycle: 1:1.033

Medium parameters used: $f = 5240$ MHz; $\sigma = 4.757$ S/m; $\epsilon_r = 36.587$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.3, 5.3, 5.3); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch48/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.304 W/kg

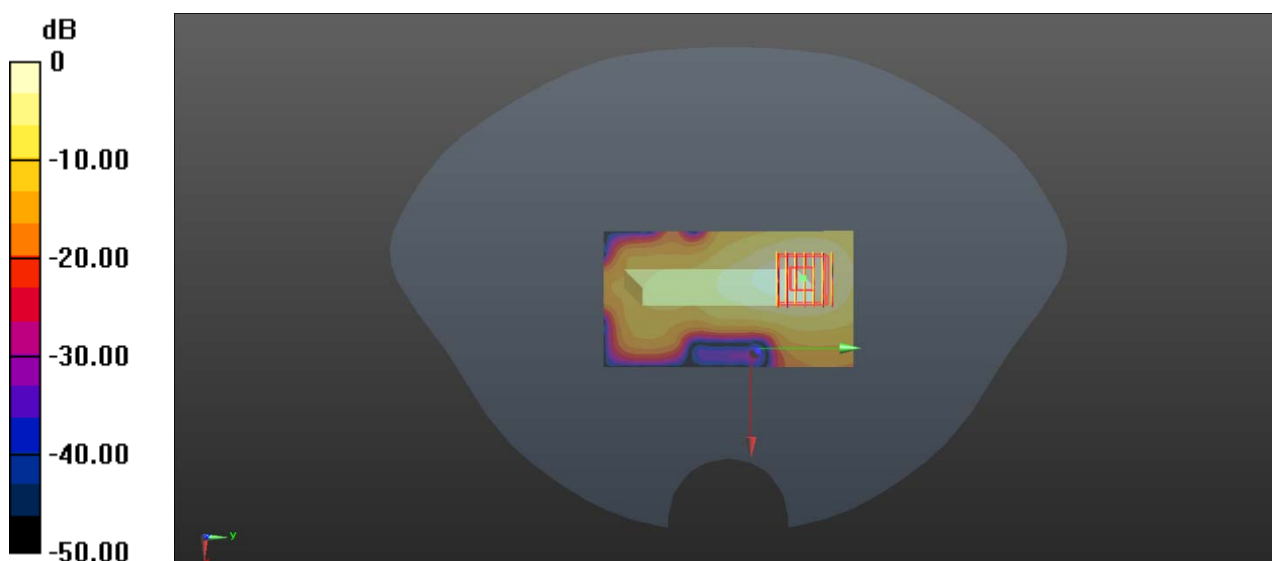
Ch48/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.148 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.587 W/kg

SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.059 W/kg

Maximum value of SAR (measured) = 0.307 W/kg



0 dB = 0.307 W/kg

MEAS.57 Body Plane with Top Edge 10mm on Channel 155 in IEEE802.11a mode

Date: 2021.02.24

Communication System Band: WLAN(a); Frequency: 5775 MHz; Duty Cycle: 1:1.137

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.309$ S/m; $\epsilon_r = 35.449$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.86, 4.86, 4.86); Calibrated: 2020.08.07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.139 W/kg

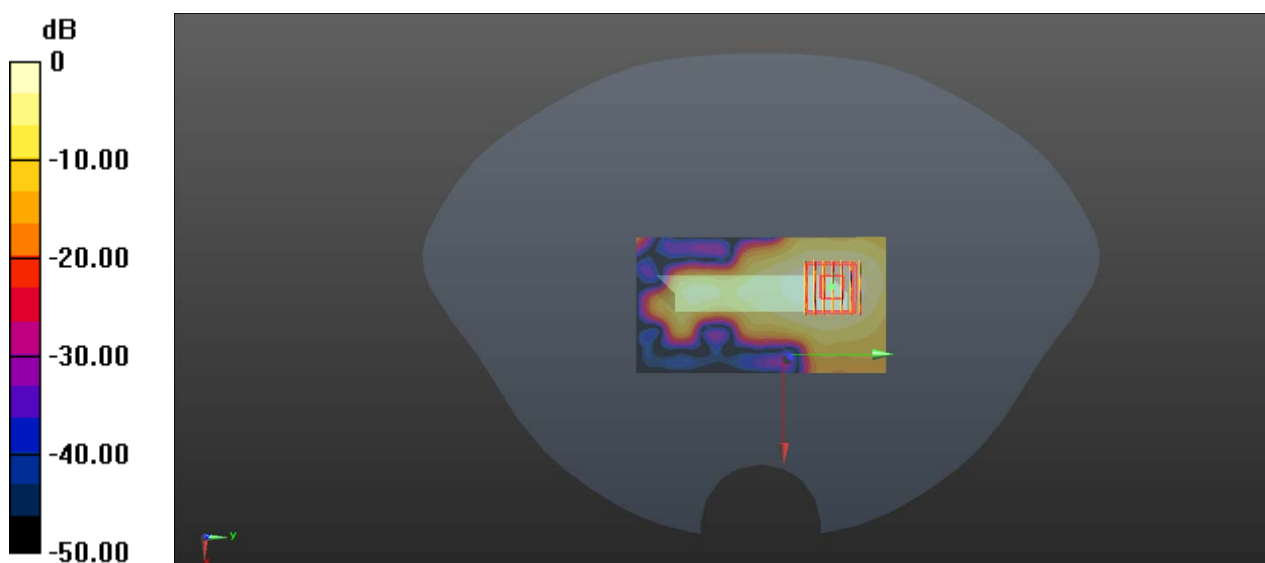
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.593 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.319 W/kg

SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.025 W/kg

Maximum value of SAR (measured) = 0.137 W/kg



0 dB = 0.137 W/kg

MEAS.58-Body Plane with Top Edge 0mm on Channel 60 in IEEE802.11a mode

Date: 2021.02.22

Communication System Band: WLAN(a); Frequency: 5300 MHz; Duty Cycle: 1:1.033

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.782$ S/m; $\epsilon_r = 36.506$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.3, 5.3, 5.3); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch60/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

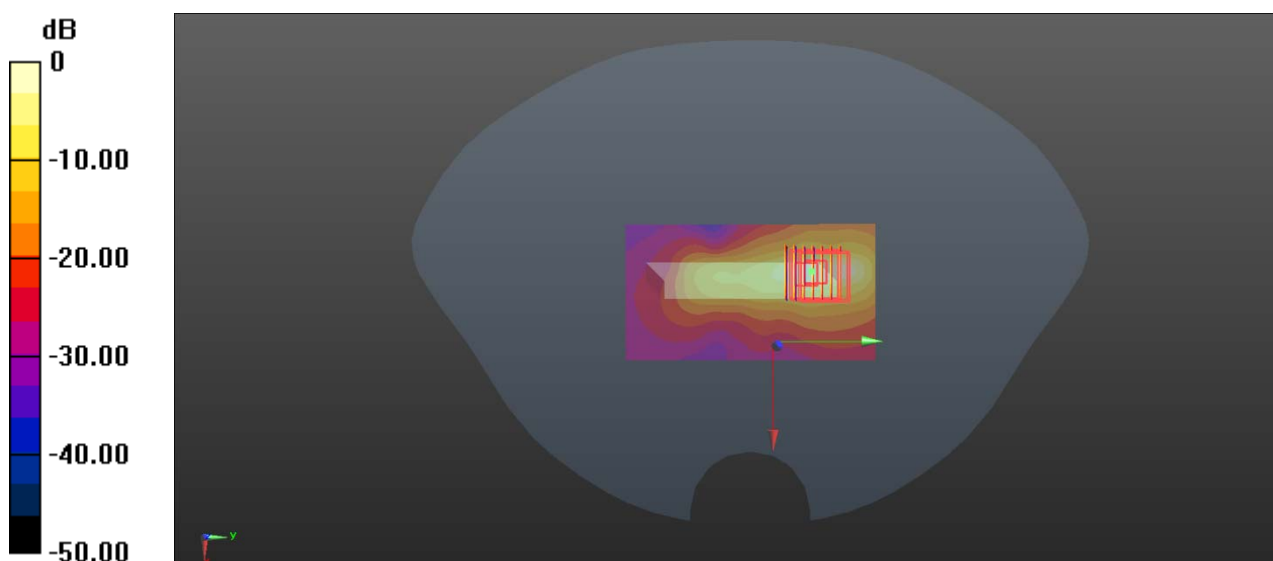
Ch60/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 15.18 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 28.3 W/kg

SAR(1 g) = 4.69 W/kg; SAR(10 g) = 1.29 W/kg

Maximum value of SAR (measured) = 12.4 W/kg



0 dB = 12.4 W/kg

MEAS.59 Body Plane with Top Edge 0mm on Channel 116 in IEEE802.11a mode

Date: 2021.02.23

Communication System Band: WLAN(a); Frequency: 5580 MHz; Duty Cycle: 1:1.033

Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 5.158$ S/m; $\epsilon_r = 36.716$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.85, 4.85, 4.85); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch116/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 14.7 W/kg

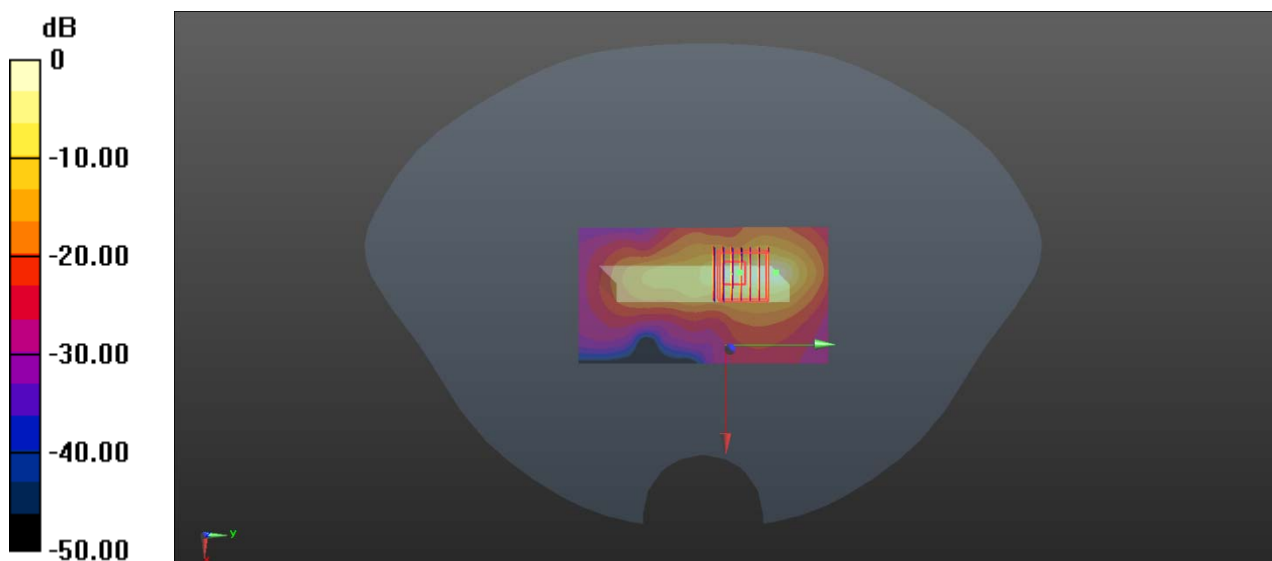
Ch116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.29 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 31.7 W/kg

SAR(1 g) = 5.03 W/kg; SAR(10 g) = 1.15 W/kg

Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 13.7 W/kg

MEAS.60 Left Head with Cheek on Middle Channel in Bluetooth DH5 mode

Date: 2021.02.18

Communication System Band: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.302

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.749$ S/m; $\epsilon_r = 38.894$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.4 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.319 W/kg

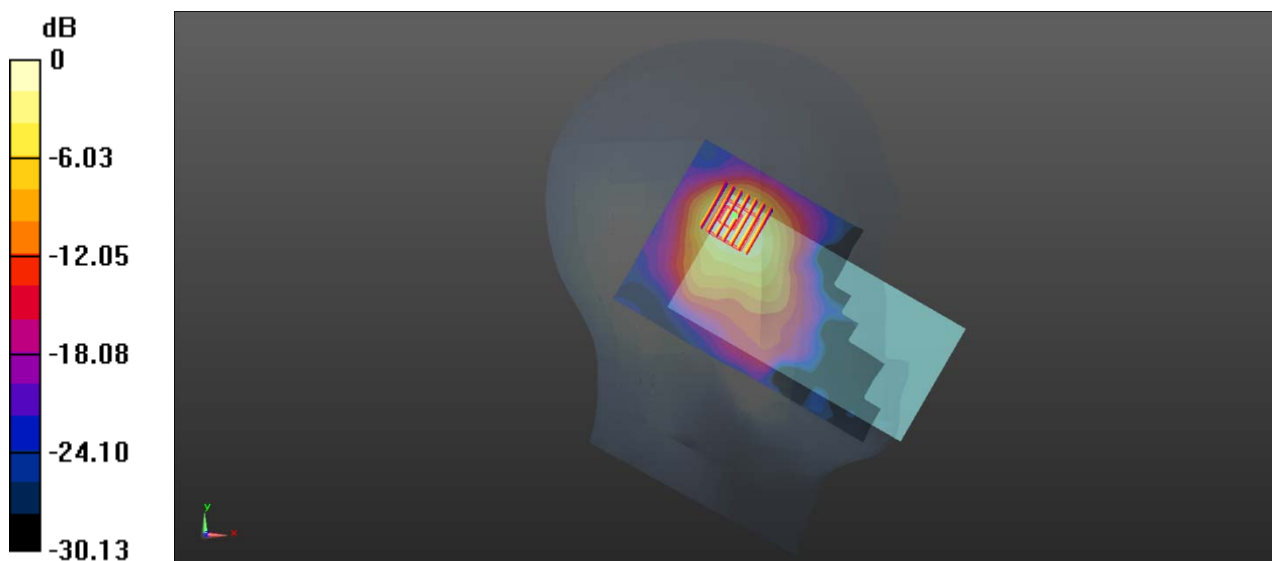
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.364 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.626 W/kg

SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.128 W/kg

Maximum value of SAR (measured) = 0.295 W/kg



0 dB = 0.295 W/kg

MEAS.61-Body Plane with Back Side 15mm on Middle Channel in Bluetooth DH5 mode

Date: 2021.02.18

Communication System Band: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.302

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.749$ S/m; $\epsilon_r = 38.894$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0141 W/kg

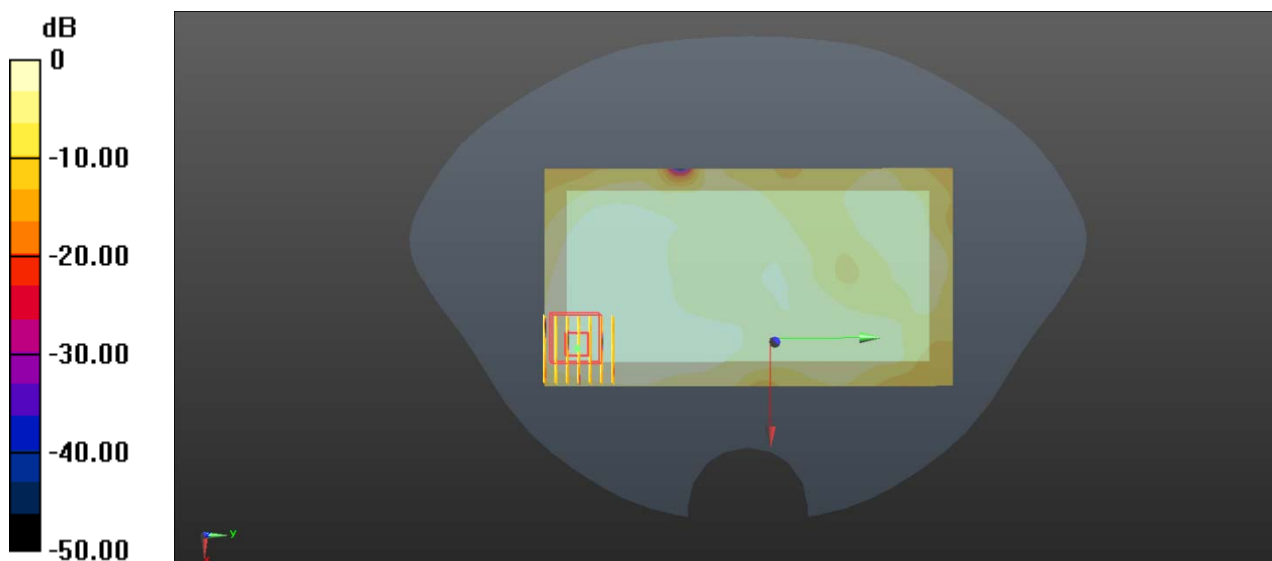
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.611 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0260 W/kg

SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00533 W/kg

Maximum value of SAR (measured) = 0.0126 W/kg



0 dB = 0.0126 W/kg

MEAS.62-Body Plane with Back Side 10mm on Middle Channel in Bluetooth DH5 mode

Date: 2021.02.18

Communication System Band: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.302

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.749$ S/m; $\epsilon_r = 38.894$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.0313 W/kg

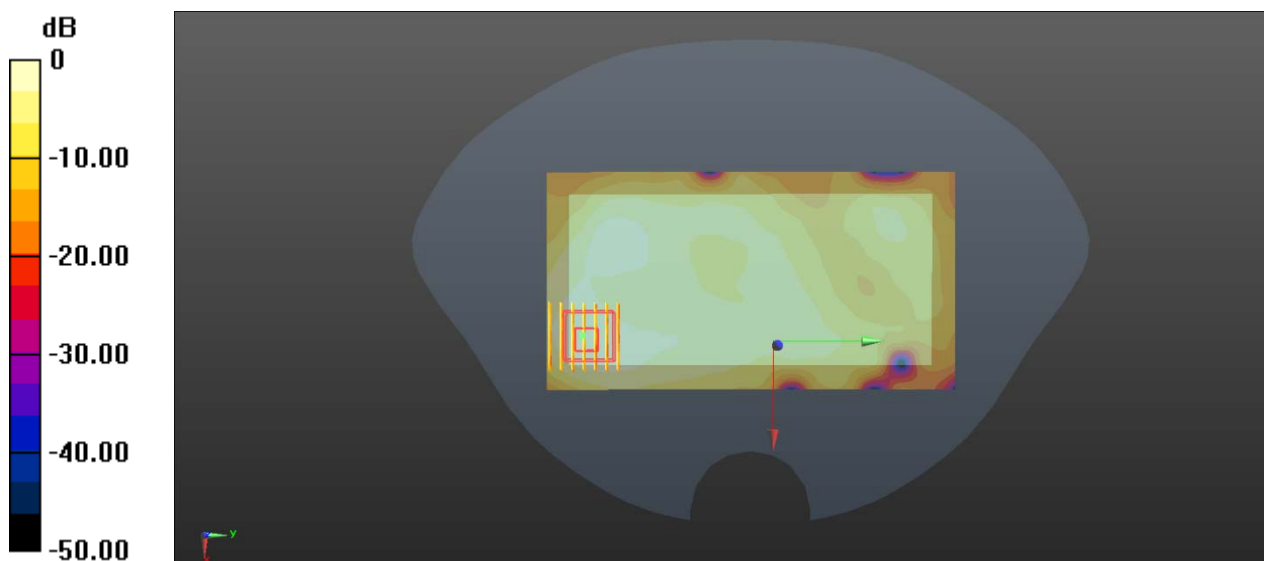
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.886 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0640 W/kg

SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.013 W/kg

Maximum value of SAR (measured) = 0.0306 W/kg



0 dB = 0.0306 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2110523-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2110523-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

--END OF REPORT--