FCC SAR TEST REPORT

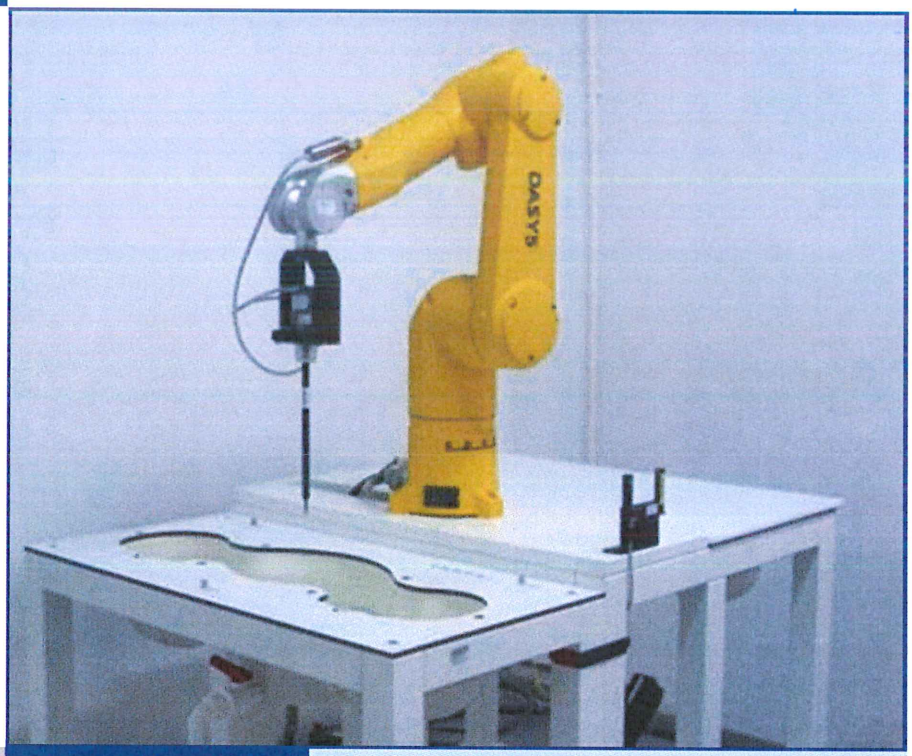
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

Mobile Phone

ISSUED TO
Realme Chongqing Mobile Telecommunications Corp., Ltd.

No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China.



Report No.:	BL-SZ2070204-701
EUT Name:	Mobile Phone
Model Name:	RMX2151
Brand Name:	realme
FCC ID:	2AUYFRMX2151
Test Standard:	FCC 47 CFR Part 2.1093
	ANSI C95.1: 1999, IEEE 1528: 2013
Maximum SAR:	Head (1 g): 1.197 W/kg
	Body (1 g): 0.340 W/kg
	Hotspot (1 g): 0.926 W/kg
	Specific (10 g): 2.267 W/kg
Test Conclusion:	Pass
Test Date:	Jul. 08, 2020 ~ Jul. 31, 2020
Date of Issue:	Aug. 05, 2020

Tested by: Zong Liyao
Date: Aug. 05, 2020

Approved by: Wei Yanquan (Chief Engineer)
Date: Aug. 05, 2020

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.

Block B, 1st FL,Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong, P. R. China 518055
TEL: +86-755-66850100,FAX: +86-755-61824271
Email: qc@baluntek.com
www.baluntek.com

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Aug. 05, 2020	Initial Issue

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 6

2 PRODUCT INFORMATION 7

2.1 Applicant Information 7

2.2 Manufacturer Information 7

2.3 Factory Information 7

2.4 General Description for Equipment under Test (EUT) 7

2.5 Ancillary Equipment 8

2.6 Technical Information 9

2.7 Power Reduction Description 11

3 SUMMARY OF TEST RESULT 17

3.1 Test Standards 17

3.2 Device Category and SAR Limit 18

3.3 Test Result Summary 19

3.4 Test Uncertainty 20

4 MEASUREMENT SYSTEM 21

4.1 Specific Absorption Rate (SAR) Definition 21

4.2 DASY SAR System 22

5 SYSTEM VERIFICATION 29

5.1 Purpose of System Check 29

5.2 System Check Setup 29

6 TEST POSITION CONFIGURATIONS 30

6.1 Head Exposure Conditions 30

6.2 Body-worn Position Conditions 32
6.3 Hotspot Mode Exposure Position Conditions 33
6.4 Product Specific 10g Exposure Consideration 33
7 MEASUREMENT PROCEDURE 34
7.1 Measurement Process Diagram 34
7.2 SAR Scan General Requirement 35
7.3 Measurement Procedure 36
7.4 Area & Zoom Scan Procedure 36
8 CONDUCTED RF OUPUT POWER 37
8.1 GSM 37
8.2 WCDMA 38
8.3 LTE 39
8.4 WIFI 47
8.5 Bluetooth 49
8.6 Power Reduction List 50
9 TEST EXCLUSION CONSIDERATION 94
9.1 SAR Test Exclusion Consideration Table 95
10 TEST RESULT 99
10.1 GSM 850 99
10.2 GSM 1900 100
10.3 WCDMA Band 2 102
10.4 WCDMA Band 4 104
10.5 WCDMA Band 5 106
10.6 LTE Band 2 (20MHz Bandwidth) 107
10.7 LTE Band 4 (20MHz Bandwidth) 110
10.8 LTE Band 5 (10MHz Bandwidth) 113
10.9 LTE Band 7 (20MHz Bandwidth) 115
10.10 LTE Band 38 (20MHz Bandwidth) 117
10.11 LTE Band 41 (20MHz Bandwidth) 120
10.12 WIFI 2.4GHz 123
10.13 WIFI 5GHz 124
10.14 Bluetooth 127

11 SAR Measurement Variability 128
12 SIMULTANEOUS TRANSMISSION 129
12.1 Simultaneous Transmission Mode Consider 129
12.2 Sum SAR of Simultaneous Transmission 130
13 TEST EQUIPMENTS LIST 145
ANNEX A SIMULATING LIQUID VERIFICATION RESULT 146
ANNEX B SYSTEM CHECK RESULT 147
ANNEX C TEST DATA 173
ANNEX D EUT EXTERNAL PHOTOS 224
ANNEX E SAR TEST SETUP PHOTOS 224
ANNEX F CALIBRATION REPORT 224

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
Accreditation Certificate	The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1. The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory is a testing organization accredited by American Association for Laboratory Accreditation (A2LA) according to ISO/IEC 17025.The accreditation certificate is 4344.01. The laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L6791.
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	20℃ to 23℃
Ambient Relative Humidity	35% to 49%
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	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China.

2.2 Manufacturer Information

Manufacturer	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China.

2.3 Factory Information

Factory	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China.

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	RMX2151
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	N/A
Hardware Version	V4
Software Version	realme UI1.0
Dimensions (Approx.)	162.35*75.46*9.45mm

2.5 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery	
	Brand Name	realme
	Model No.	BLP807
	Serial No.	N/A
	Capacitance	Rated: 4900mAh/18.96Wh Typical: 5000mAh/19.35Wh
	Rated Voltage	3.87 V
	Limited Voltage	4.45 V
	Manufacturer	TWS Technology (Guangzhou) Limited
Ancillary Equipment 2	Li-Polymer Battery (alternative) 2	
	Brand Name	realme
	Model No.	BLP807
	Serial No.	N/A
	Capacitance	Rated: 4900mAh/18.96Wh Typical: 5000mAh/19.35Wh
	Rated Voltage	3.87 V
	Limited Voltage	4.45 V
	Manufacturer	NAVITASYS TECHNOLOGY LIMITED
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 NAVITASYS TECHNOLOGY LIMITED as the main for test in this report.		

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA/HSPA+/DC-HSDPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7 TDD LTE Band 38/41 Bluetooth 5.0 (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) Band 1/2A/2C/3, GPS, GLONASS, BDS, NFC
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; 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 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2535 ~ 2655 MHz	RX: 2535 ~ 2655 MHz
	802.11b/g /n(HT20/HT40)	2400 ~ 2483.5 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40 /VHT80)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2400 ~ 2483.5 MHz	
Antenna Type	WWAN	PIFA	
	WLAN	PIFA	
	Bluetooth	PIFA	
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	
Note: 1. The Power Reduction please refer to section 8.6.			

2. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
3. 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).
4. This device has two WWAN transmit antennas. WWAN down antenna is located at the bottom edge of the device, and WWAN up antenna is located at the top edge of the device. Up and Down antenna support the same WWAN frequency bands, and they can't transmit simultaneously.

2.7 Power Reduction Description

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.
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.
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.
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	Antenna	Transmitting conditions	Power reduced bands
Level 1	On (head scenario)	Up	WWAN Use Only	GSM1900
				WCDMA B2/4
				LTE B2/4/7/38/41
Level 2	On (head scenario)	Up	WWAN + WLAN 2.4G	GSM1900
				WCDMA B2/4
				LTE B2/4/5/7/38/41
Level 3	On (head scenario)	Up	WWAN + WLAN 5G	GSM1900
				WCDMA B2/4
				LTE B2/4/5/7/38/41
Level 4	Off (Body scenario)	Up	WWAN Use Only	GSM1900
				WCDMA B2/4
				LTE B2/4/7
Level 5	Off (Body scenario)	Up	WWAN + WLAN 2.4G	GSM1900
				WCDMA B2/4
				LTE B2/4/5/7/38/41
Level 6	Off (Body scenario)	Up	WWAN + WLAN 5G	GSM1900
				WCDMA B2/4
				LTE B2/4/5/7/38/41
Level 7	Off (Body scenario)	Down	WWAN Use Only	GSM1900
				WCDMA B2/4
				LTE B2/4/7/38/41
Level 8	Off (Body scenario)	Down	WWAN + WLAN 2.4G	GSM850/1900
				WCDMA B2/4/5
				LTE B2/4/5/7/38/41
Level 9		Down		GSM850/1900

	Off (Body scenario)		WWAN + WLAN 5G	WCDMA B2/4/5
				LTE B2/4/5/7/38/41

WLAN Reduced power level table

Reduced level	Receiver state	Transmitting conditions	Power reduced bands
Level 1	On (head scenario)	WLAN Use Only	WLAN 5G
Level 2	On (head scenario)	WWAN + WLAN 2.4G Or WLAN5G	WLAN 2.4G;WLAN 5G
Level 3	Off (Body scenario)	WLAN Use Only	WLAN 5G
Level 4	Off (Body scenario)	WWAN + WLAN 2.4G Or WLAN5G	WLAN 2.4G;WLAN 5G

WWAN Antenna Up Power table

Mode	WWAN Antenna						
	Full Power	Head			Body		
		Receiver on			Receiver off		
		Standalone	Simultaneous		Standalone	Simultaneous	
			+2.4G	+5G WLAN		+2.4G	+5G WLAN
GSM 850	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx	31.50	31.50	31.50	31.50	31.50	31.50	31.50
GPRS850 3 Tx	29.50	29.50	29.50	29.50	29.50	29.50	29.50
GPRS850 4 Tx	28.50	28.50	28.50	28.50	28.50	28.50	28.50
EGPRS850 1	27.50	27.50	27.50	27.50	27.50	27.50	27.50
EGPRS850 2	24.50	24.50	24.50	24.50	24.50	24.50	24.50
EGPRS850 3	23.50	23.50	23.50	23.50	23.50	23.50	23.50
EGPRS850 4	23.50	23.50	23.50	23.50	23.50	23.50	23.50
GSM 1900	27.50	24.50	23.50	23.50	27.50	26.50	26.50
GPRS1900 1	27.50	24.50	23.50	23.50	27.50	26.50	26.50
GPRS1900 2	24.50	21.50	20.50	20.50	24.50	23.50	23.50
GPRS1900 3	22.00	19.00	18.00	18.00	22.00	21.50	21.50
GPRS1900 4	21.00	18.00	17.00	17.00	21.00	20.50	20.50
EGPRS1900 1	23.00	21.00	20.00	20.00	23.00	23.00	23.00
EGPRS1900 2	21.00	18.00	16.00	16.00	21.00	20.00	20.00

EGPRS1900 3	19.00	15.50	15.00	15.00	19.00	18.00	18.00
EGPRS1900 4	17.00	14.00	13.00	13.00	17.00	16.00	16.00
WCDMA	24.30	18.30	17.30	17.30	21.30	20.30	20.30
HSDPA	24.30	17.30	16.30	16.30	20.30	19.30	19.30
HSDPA	20.30	17.30	16.30	16.30	20.30	19.30	19.30
HSDPA	19.80	16.80	15.80	15.80	19.80	18.80	18.80
HSDPA	19.80	16.80	15.80	15.80	19.80	18.80	18.80
HSUPA	18.30	14.80	13.80	13.80	18.30	17.30	17.30
HSUPA	18.30	14.80	13.80	13.80	18.30	17.30	17.30
HSUPA	19.30	16.30	15.30	15.30	19.30	18.30	18.30
HSUPA	18.30	14.80	13.80	13.80	18.30	17.30	17.30
HSUPA	19.30	15.80	14.80	14.80	19.30	18.30	18.30
WCDMA	22.30	20.80	19.80	19.80	22.30	21.30	21.30
HSDPA	21.30	19.80	18.80	18.80	21.30	20.30	20.30
HSDPA	21.30	19.80	18.80	18.80	21.30	20.30	20.30
HSDPA	20.80	20.30	19.30	19.30	20.80	19.80	19.80
HSDPA	20.80	20.30	19.30	19.30	20.80	19.80	19.80
HSUPA	19.30	18.80	17.80	17.80	19.30	18.30	18.30
HSUPA	19.30	18.80	17.80	17.80	19.30	18.30	18.30
HSUPA	20.30	19.80	18.80	18.80	20.30	19.30	19.30
HSUPA	19.30	18.80	17.80	17.80	19.30	18.30	18.30
HSUPA	20.30	19.80	18.80	18.80	20.30	19.30	19.30
WCDMA	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSUPA	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSUPA	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSUPA	23.50	23.50	23.50	23.50	23.50	23.50	23.50
LTE Band2	21.00	18.00	17.00	17.00	21.00	20.00	20.00
LTE Band4	22.00	20.50	19.50	19.50	22.00	21.00	21.00
LTE Band5	24.30	24.30	23.30	23.30	24.30	23.30	23.30
LTE Band7	19.80	15.30	14.30	14.30	19.80	18.80	18.80

LTE Band38	24.00	20.00	19.00	19.00	24.00	23.00	23.00
LTE Band41	24.00	20.00	19.00	19.00	24.00	23.00	23.00

WWAN Antenna Down Power table

Mode	WWAN Antenna						
	Full Power	Head			Body		
		Receiver on			Receiver off		
		Standalone	Simultaneous		Standalone	Simultaneous	
			+2.4G	+5G WLAN		+2.4G	+5G WLAN
GSM 850	33.50	33.50	33.50	33.50	33.50	32.50	32.50
GPRS850 1 Tx	33.50	33.50	33.50	33.50	33.50	32.50	32.50
GPRS850 2 Tx	31.50	31.50	31.50	31.50	31.50	31.00	31.00
GPRS850 3 Tx	29.50	29.50	29.50	29.50	29.50	29.00	29.00
GPRS850 4 Tx	28.50	28.50	28.50	28.50	28.50	28.00	28.00
EGPRS850 1	27.50	27.50	27.50	27.50	27.50	27.00	27.00
EGPRS850 2	24.50	24.50	24.50	24.50	24.50	24.00	24.00
EGPRS850 3	23.50	23.50	23.50	23.50	23.50	23.00	23.00
EGPRS850 4	23.50	23.50	23.50	23.50	23.50	23.00	23.00
GSM 1900	30.50	30.50	30.50	30.50	27.50	26.50	26.50
GPRS1900 1	30.50	30.50	30.50	30.50	27.50	26.50	26.50
GPRS1900 2	28.50	28.50	28.50	28.50	24.50	23.50	23.50
GPRS1900 3	26.50	26.50	26.50	26.50	22.00	21.50	21.50
GPRS1900 4	26.00	26.00	26.00	26.00	21.00	20.50	20.50
EGPRS1900 1	27.50	27.50	27.50	27.50	23.00	23.00	23.00
EGPRS1900 2	24.50	24.50	24.50	24.50	21.00	20.00	20.00
EGPRS1900 3	23.50	23.50	23.50	23.50	19.00	18.00	18.00
EGPRS1900 4	22.50	22.50	22.50	22.50	17.00	16.00	16.00
WCDMA	24.30	24.30	24.30	24.30	21.30	20.30	20.30
HSDPA	24.30	24.30	24.30	24.30	20.30	19.30	19.30
HSDPA	24.30	24.30	24.30	24.30	20.30	19.30	19.30
HSDPA	23.80	23.80	23.80	23.80	19.80	18.80	18.80
HSDPA	23.80	23.80	23.80	23.80	19.80	18.80	18.80
HSUPA	22.30	22.30	22.30	22.30	18.30	17.30	17.30
HSUPA	22.30	22.30	22.30	22.30	18.30	17.30	17.30
HSUPA	23.30	23.30	23.30	23.30	19.30	18.30	18.30
HSUPA	22.30	22.30	22.30	22.30	18.30	17.30	17.30
HSUPA	23.30	23.30	23.30	23.30	19.30	18.30	18.30

WCDMA	24.30	24.30	24.30	24.30	22.30	20.30	20.30
HSDPA	24.30	24.30	24.30	24.30	21.30	19.30	19.30
HSDPA	24.30	24.30	24.30	24.30	21.30	19.30	19.30
HSDPA	23.80	23.80	23.80	23.80	20.80	19.30	19.30
HSDPA	23.80	23.80	23.80	23.80	20.80	19.30	19.30
HSUPA	22.30	22.30	22.30	22.30	19.30	17.30	17.30
HSUPA	22.30	22.30	22.30	22.30	19.30	17.30	17.30
HSUPA	23.30	23.30	23.30	23.30	20.30	18.30	18.30
HSUPA	22.30	22.30	22.30	22.30	19.30	17.30	17.30
HSUPA	23.30	23.30	23.30	23.30	20.30	18.30	18.30
WCDMA	24.50	24.50	24.50	24.50	24.50	23.50	23.50
HSDPA	24.50	24.50	24.50	24.50	24.50	22.50	22.50
HSDPA	24.50	24.50	24.50	24.50	24.50	22.50	22.50
HSDPA	23.50	23.50	23.50	23.50	23.50	22.00	22.00
HSDPA	23.50	23.50	23.50	23.50	23.50	22.00	22.00
HSUPA	22.50	22.50	22.50	22.50	22.50	20.50	20.50
HSUPA	22.50	22.50	22.50	22.50	22.50	20.50	20.50
HSUPA	23.50	23.50	23.50	23.50	23.50	22.00	22.00
HSUPA	22.50	22.50	22.50	22.50	22.50	20.00	20.00
HSUPA	23.50	23.50	23.50	23.50	23.50	22.00	22.00
LTE Band2	24.00	24.00	24.00	24.00	21.00	20.00	20.00
LTE Band4	24.00	24.00	24.00	24.00	21.00	20.00	20.00
LTE Band5	24.30	24.30	24.30	24.30	24.30	23.30	23.30
LTE Band7	23.80	23.80	23.80	23.80	19.80	18.80	18.80
LTE Band38	24.00	24.00	24.00	24.00	23.00	22.00	22.00
LTE Band41	24.00	24.00	24.00	24.00	22.00	21.00	21.00

WLAN and Bluetooth Antenna Power table

Mode	WLAN Antenna				
	Full Power	Head		Body	
		Receiver on		Receiver off	
		Standalone	Simultaneous +WWAN	Standalone	Simultaneous +WWAN
2.4G WLAN 802.11b	16.00	16.00	15.00	16.00	15.00
2.4G WLAN 802.11g	16.00	16.00	15.00	16.00	15.00
2.4G WLAN 802.11n20	15.00	15.00	14.00	15.00	14.00
2.4G WLAN 802.11n40	14.00	14.00	13.00	14.00	13.00
5.2G WLAN 802.11a	16.00	14.00	12.00	16.00	14.00
5.2G WLAN	15.00	12.50	11.00	15.00	12.50
5.2G WLAN	14.00	11.50	11.00	14.00	11.50
5.2G WLAN	12.00	11.50	11.00	12.00	11.50
5.2G WLAN	12.00	12.00	11.00	12.00	12.00
5.2G WLAN	11.00	11.00	11.00	11.00	11.00
5.3G WLAN 802.11a	16.00	14.00	12.00	16.00	14.00
5.3G WLAN	15.00	12.50	11.00	15.00	12.50
5.3G WLAN	13.00	13.00	11.00	13.00	13.00
5.3G WLAN	14.00	11.50	11.00	14.00	11.50
5.3G WLAN	12.00	12.00	11.00	12.00	12.00
5.3G WLAN	10.00	10.00	10.00	10.00	10.00
5.6G WLAN 802.11a	15.00	13.00	11.00	15.00	13.00
5.6G WLAN	14.00	11.00	10.00	14.00	11.00
5.6G WLAN	14.00	11.00	10.00	14.00	11.00
5.6G WLAN	14.50	11.00	10.00	14.50	11.00
5.6G WLAN	12.00	11.00	10.00	12.00	11.00
5.6G WLAN	11.00	11.00	10.00	11.00	11.00
5.8G WLAN 802.11a	16.00	14.00	12.00	16.00	14.00
5.8G WLAN	15.00	13.00	11.00	15.00	13.00
5.8G WLAN	14.00	13.00	11.00	14.00	13.00
5.8G WLAN	14.50	13.00	11.00	14.50	13.00
5.8G WLAN	11.50	11.50	11.00	11.50	11.50
5.8G WLAN	10.00	10.00	10.00	10.00	10.00
Bluetooth	13.00	13.00	13.00	13.00	13.00

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/ ControlledExposure
Whole-Body SAR (averaged over the entire body)	0.08	0.4
Partial-Body SAR (averaged over any 1 gram of tissue)	1.60	8.0
SAR for hands, wrists, feet and ankles (averaged over any 10 grams of tissue)	4.0	20.0

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR

Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
	Head	Body-worn	Hotspot	Product Specific	Head	Body-worn	Hotspot	Product Specific
GSM 850	0.489	0.204	0.296	/	**1.197**	**0.340**	**0.926**	**2.267**
GSM 1900	0.579	0.169	0.532	/				
WCDMA Band 2	1.003	**0.340**	**0.926**	2.186				
WCDMA Band 4	1.023	0.217	0.495	/				
WCDMA Band 5	0.539	0.197	0.243	/				
LTE Band 2	0.794	0.274	0.712	**2.267**				
LTE Band 4	**1.197**	0.154	0.299	/				
LTE Band 5	0.519	0.194	0.209	/				
LTE Band 7	0.790	0.269	0.794	/				
LTE Band 38	1.024	0.283	0.791	/				
LTE Band 41	1.109	0.272	0.664	/				
2.4G WLAN	0.544	0.081	0.203	/				
5.2G WLAN	/	/	0.276	/				
5.3G WLAN	0.843	0.145	/	0.929				
5.6G WLAN	0.879	0.305	/	0.736				
5.8G WLAN	0.929	0.141	0.329	/				
Bluetooth	0.197	0.016	0.039	/				
Limit (W/kg)	1.6			4.0	1.6			4.0
Verdict	Pass							

3.3.2 Highest Simultaneous SAR

Position	Simultaneous Configuration	Simultaneous SAR (W/kg)	Limit (W/kg)	Verdict
Head (1g)	WWAN + 5.3G WIFI + Bluetooth	1.335	1.6	Pass
Body-worn Accessory (1g)	WWAN + 5.6G WIFI + Bluetooth	0.466	1.6	Pass
Hotspot (1g)	WWAN + 5.2G WIFI + Bluetooth	0.953	1.6	Pass
Product Specific (10g)	WWAN + 5.6G WIFI + Bluetooth	2.163	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 1.197 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 2.267 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

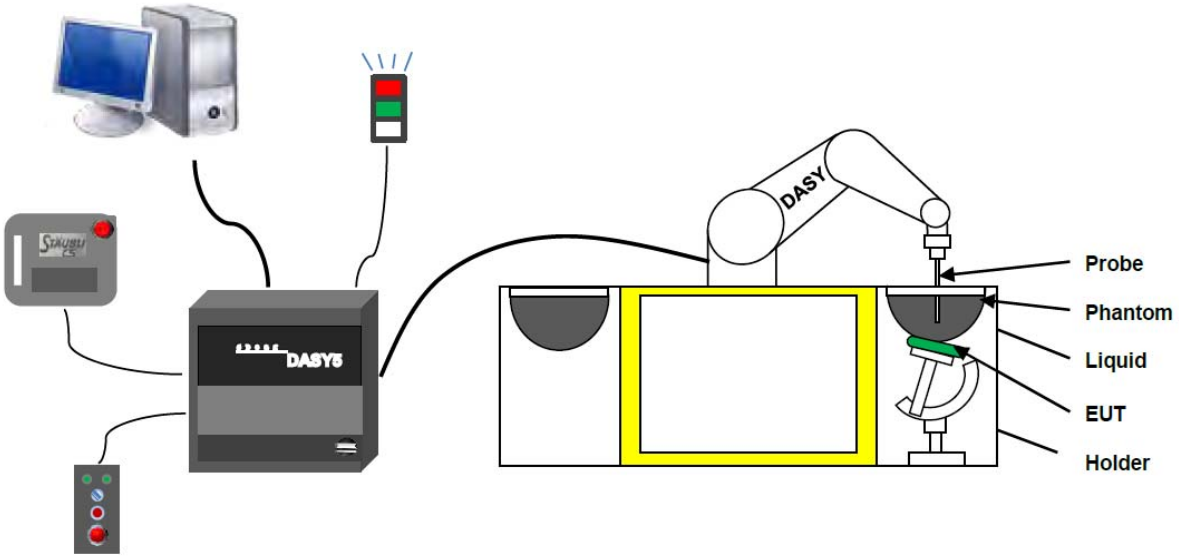
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^2}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



The 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:7510 with following specifications is used.

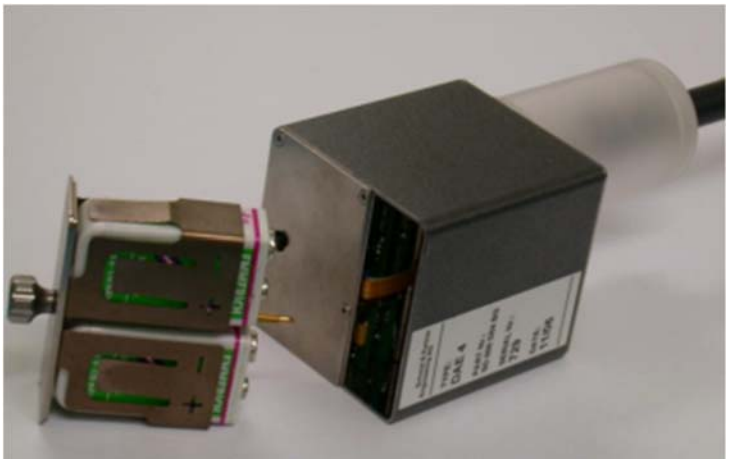
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz;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

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

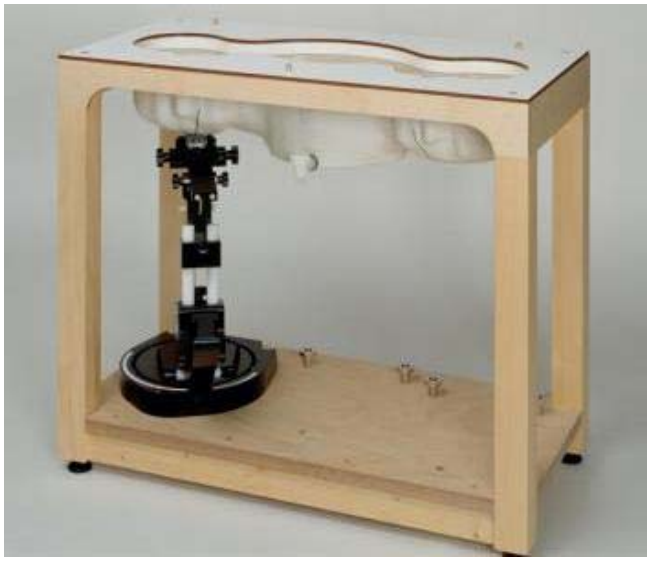
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left hand
- Right hand
- Flat phantom

Photo of Phantom 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

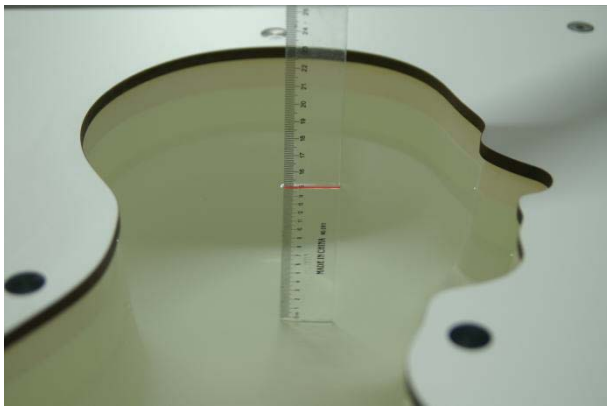
4.2.6 Device Holder

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%.

Head Liquid Depth	Body Liquid Depth
	

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

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

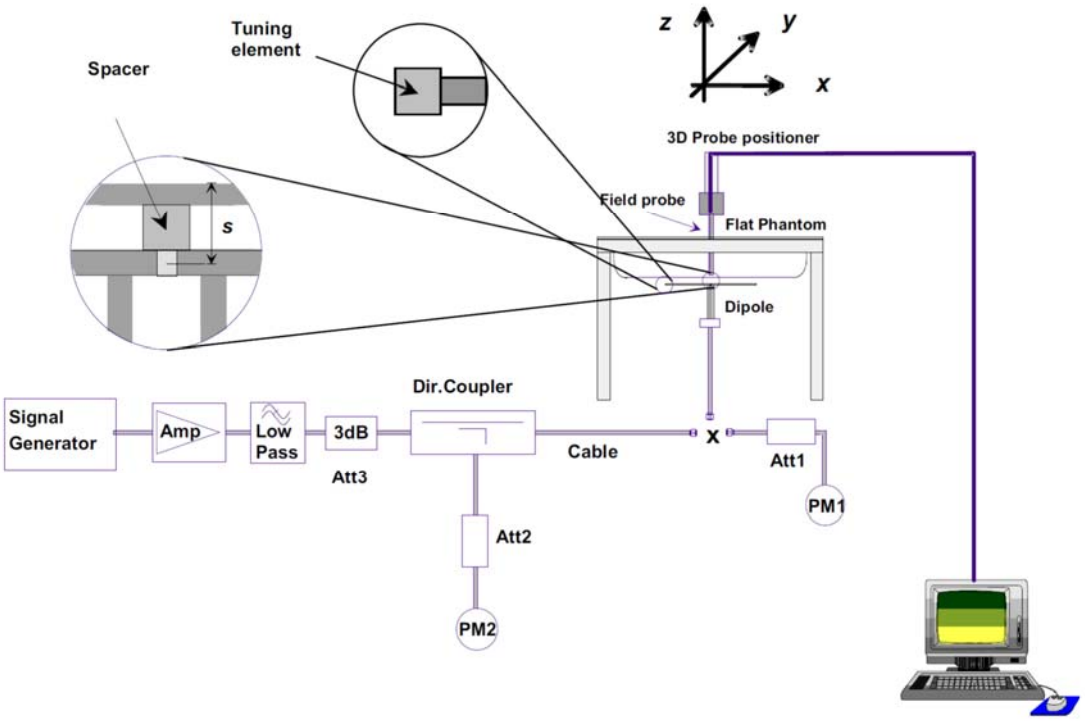
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

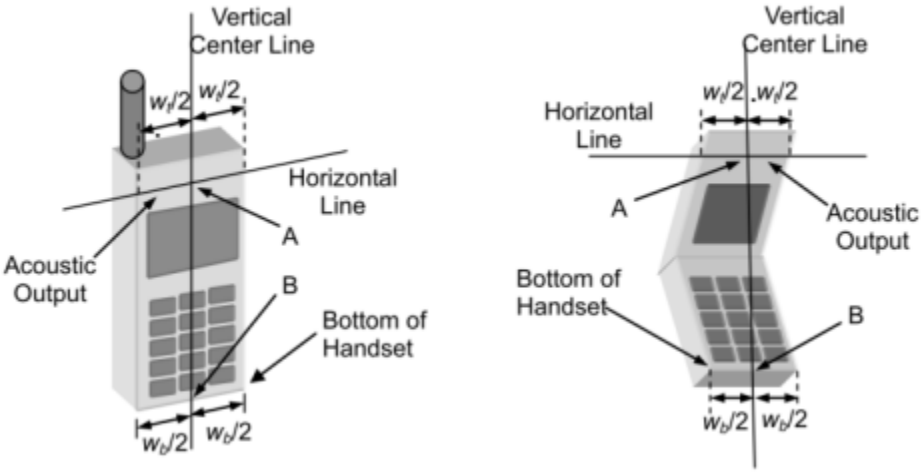
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

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

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

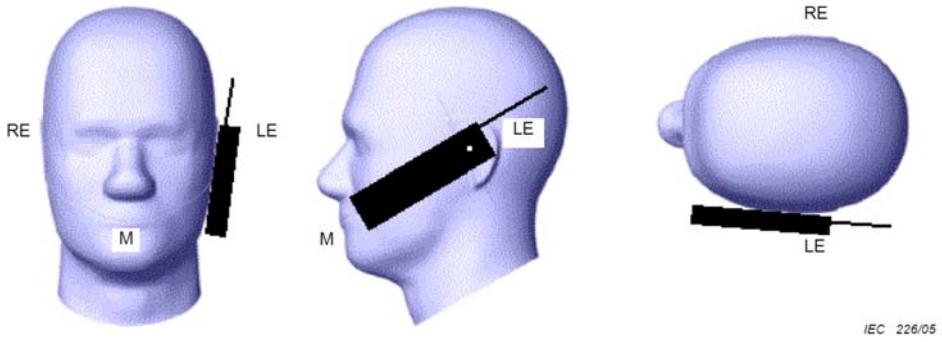
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

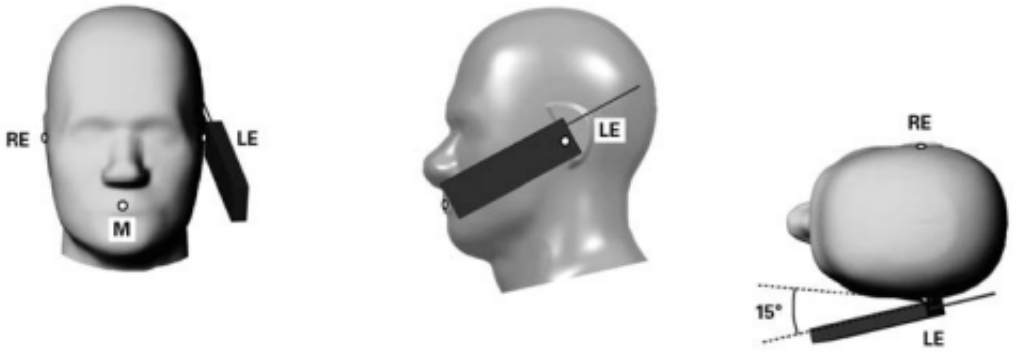
(b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with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



6.1.3 Tilted Position

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

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

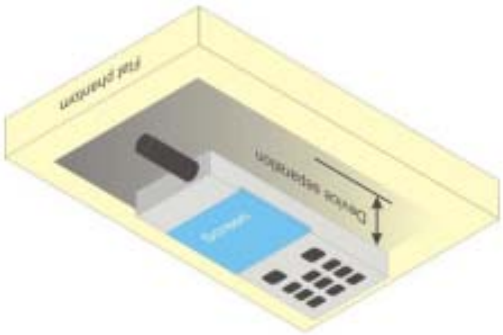


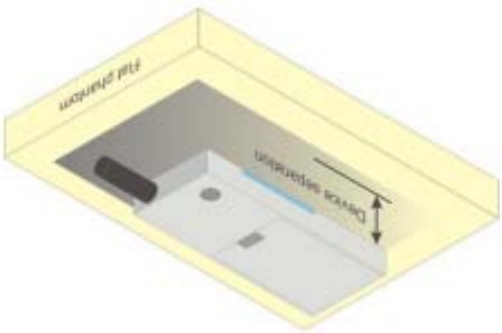
6.2 Body-worn Position Conditions

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

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

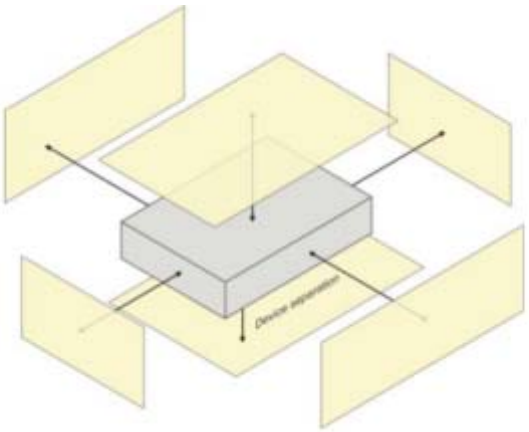
Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice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





6.3 Hotspot Mode Exposure Position Conditions

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



6.4 Product Specific 10g Exposure Consideration

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

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

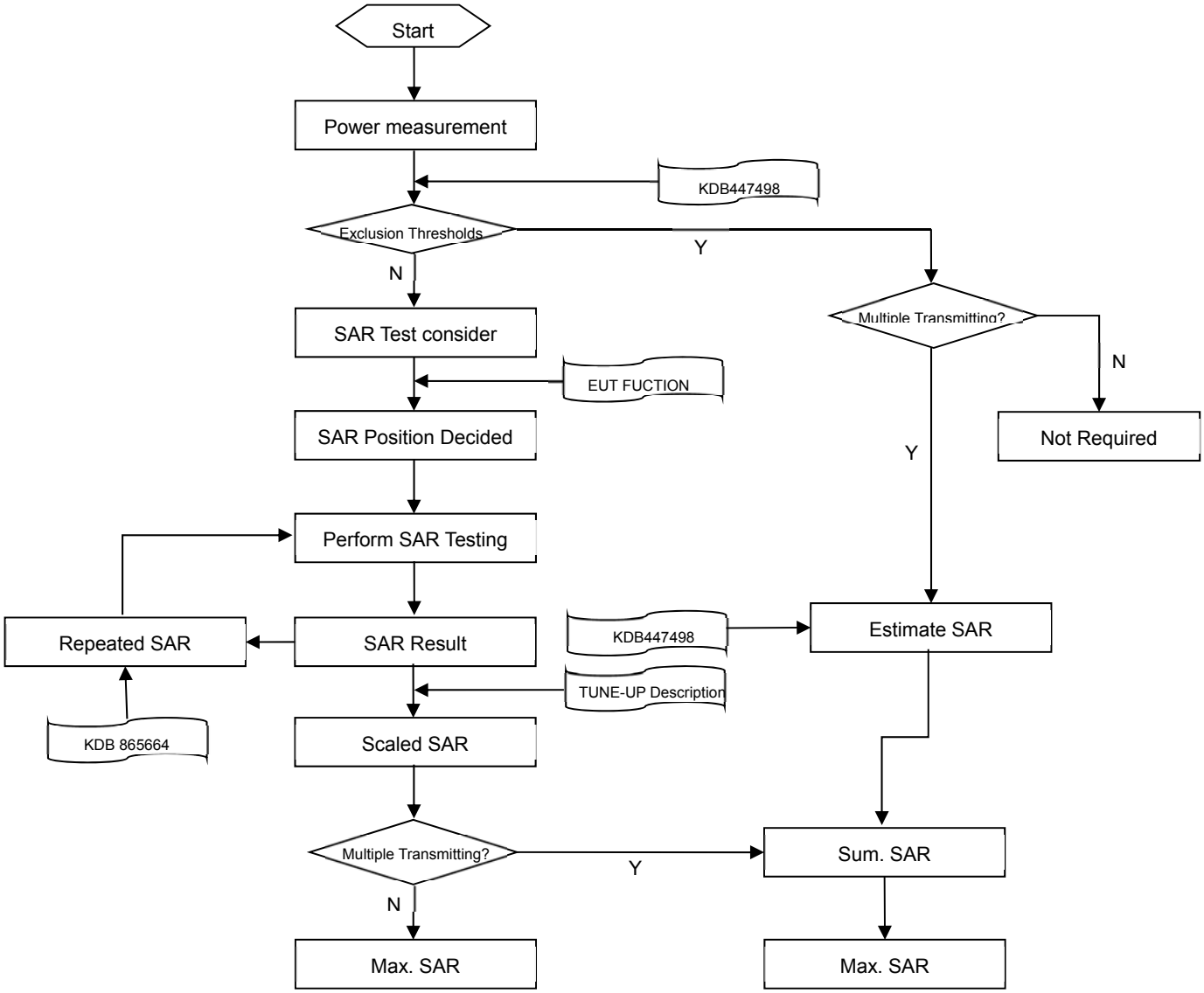
6

6.

.

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

7.3 Measurement Procedure

The following steps are used for each test position

a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 *32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 Area & Zoom Scan Procedure

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

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

8 CONDUCTED RF OUPUT POWER

8.1 GSM

GSM 850								
GSM850 Band	Burst Average Power(dBm)			Tune-up Limit (dBm)	Frame-Averaged power (dBm)			Tune-up Limit (dBm)
Channel	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.35	32.44	32.44	33.50	23.16	23.25	23.25	24.31
GPRS (GMSK, 1-Slot)	32.27	32.35	32.36	33.50	23.08	23.16	23.17	24.31
GPRS (GMSK, 2-Slots)	30.71	30.79	30.80	31.50	24.58	24.66	**24.67**	25.37
GPRS (GMSK, 3-Slots)	28.65	28.70	28.72	29.50	24.23	24.28	24.30	25.08
GPRS (GMSK, 4-Slots)	27.67	27.70	27.79	28.50	24.49	24.52	24.61	25.32
EGPRS (8PSK, 1-Slot)	29.81	29.78	29.94	27.50	20.62	20.59	20.75	18.31
EGPRS (8PSK, 2-Slots)	27.08	27.11	27.18	24.50	20.95	20.98	21.05	18.37
EGPRS (8PSK, 3-Slots)	26.50	26.72	26.69	23.50	22.08	22.30	22.27	19.08
EGPRS (8PSK, 4-Slots)	26.36	26.46	26.47	23.50	23.18	23.28	23.29	20.32
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)	29.61	29.43	29.27	30.50	20.42	20.24	20.08	21.31
GPRS (GMSK, 1-Slot)	29.56	29.37	29.22	30.50	20.37	20.18	20.03	21.31
GPRS (GMSK, 2-Slots)	28.04	27.87	27.74	28.50	21.91	21.74	21.61	22.37
GPRS (GMSK, 3-Slots)	26.04	25.89	25.78	26.50	21.62	21.47	21.36	22.08
GPRS (GMSK, 4-Slots)	25.12	24.97	24.87	26.00	**21.94**	21.79	21.69	22.82
EGPRS (8PSK, 1-Slot)	29.28	29.20	29.26	27.50	20.09	20.01	20.07	18.31
EGPRS (8PSK, 2-Slots)	27.87	27.78	27.86	24.50	21.74	21.65	21.73	18.37
EGPRS (8PSK, 3-Slots)	25.86	25.77	25.83	23.50	21.44	21.35	21.41	19.08
EGPRS (8PSK, 4-Slots)	24.93	24.84	24.89	22.50	21.75	21.66	21.71	19.32

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

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

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

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

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

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

8.2 WCDMA

WCDMA	Band 2				Band 4			
Channel	9262	9400	9538	Tune-up Limit (dBm)	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	23.94	23.97	**24.02**	24.30	23.65	23.77	23.73	24.30
HSDPA Subtest-1	23.58	23.77	23.89	24.30	23.86	**24.01**	23.96	24.30
HSDPA Subtest-2	23.58	23.72	23.81	24.30	23.80	23.95	23.90	24.30
HSDPA Subtest-3	23.14	23.24	23.32	23.80	23.31	23.47	23.40	23.80
HSDPA Subtest-4	23.14	23.20	23.27	23.80	23.33	23.41	23.33	23.80
HSUPA Subtest-1	21.95	21.98	22.05	22.30	21.86	21.98	21.91	22.30
HSUPA Subtest-2	21.93	22.04	22.07	22.30	21.85	21.97	21.93	22.30
HSUPA Subtest-3	22.95	23.00	23.06	23.30	22.95	22.98	22.93	23.30
HSUPA Subtest-4	21.46	21.51	21.57	22.30	21.34	21.49	21.44	22.30
HSUPA Subtest-5	22.93	22.99	23.07	23.30	22.86	22.99	22.88	23.30
WCDMA	Band 5				-			
Channel	4132	4182	4233	Tune-up Limit (dBm)	-	-	-	-
RMC 12.2Kbps	**23.78**	23.68	23.67	24.50	-	-	-	-
HSDPA Subtest-1	23.62	23.58	23.59	24.50	-	-	-	-
HSDPA Subtest-2	23.55	23.50	23.53	24.50	-	-	-	-
HSDPA Subtest-3	23.09	23.01	23.06	23.50	-	-	-	-
HSDPA Subtest-4	23.04	22.95	23.02	23.50	-	-	-	-
HSUPA Subtest-1	21.77	21.69	21.71	22.50	-	-	-	-
HSUPA Subtest-2	21.78	21.71	21.73	22.50	-	-	-	-
HSUPA Subtest-3	22.78	22.70	22.73	23.50	-	-	-	-
HSUPA Subtest-4	21.33	21.22	21.22	22.50	-	-	-	-
HSUPA Subtest-5	22.78	22.68	22.73	23.50	-	-	-	-

8.3 LTE

FDD LTE Band 2									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18700	18900	19100		18700	18900	19100	
20 MHz	1 (RB_Pos:0)	22.28	22.39	22.21	24.00	21.84	21.89	21.68	23.00
	1 (RB_Pos:50)	22.55	**22.57**	22.37	24.00	22.10	22.07	21.87	23.00
	1 (RB_Pos:99)	22.42	22.40	22.20	24.00	21.95	21.81	21.68	23.00
	50 (RB_Pos:0)	22.73	22.69	22.70	24.00	21.77	21.74	21.70	23.00
	50 (RB_Pos:25)	22.76	22.76	22.65	24.00	21.85	21.86	21.64	23.00
	50 (RB_Pos:50)	22.79	22.72	22.53	24.00	21.83	21.77	21.54	23.00
	100 (RB_Pos:0)	22.75	22.70	22.61	24.00	21.80	21.72	21.67	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18675	18900	19125		18675	18900	19125	
15 MHz	1 (RB_Pos:0)	22.33	22.44	22.30	24.00	21.32	21.82	21.82	23.00
	1 (RB_Pos:38)	22.47	22.51	22.40	24.00	21.47	21.90	21.93	23.00
	1 (RB_Pos:74)	22.36	22.32	22.26	24.00	21.38	21.75	21.77	23.00
	36 (RB_Pos:0)	22.69	22.65	22.59	24.00	21.63	21.73	21.60	23.00
	36 (RB_Pos:20)	22.77	22.72	22.60	24.00	21.73	21.79	21.55	23.00
	36 (RB_Pos:39)	22.67	22.65	22.54	24.00	21.67	21.73	21.55	23.00
	75 (RB_Pos:0)	22.71	22.67	22.62	24.00	21.72	21.72	21.62	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18650	18900	19150		18650	18900	19150	
10 MHz	1 (RB_Pos:0)	22.26	22.38	22.31	24.00	21.30	21.84	21.44	23.00
	1 (RB_Pos:25)	22.35	22.48	22.40	24.00	21.36	21.91	21.46	23.00
	1 (RB_Pos:49)	22.34	22.43	22.33	24.00	21.35	21.84	21.43	23.00
	25 (RB_Pos:0)	22.55	22.59	22.50	24.00	21.65	21.72	21.71	23.00
	25 (RB_Pos:12)	22.65	22.75	22.64	24.00	21.73	21.80	21.76	23.00
	25 (RB_Pos:25)	22.55	22.69	22.52	24.00	21.70	21.80	21.66	23.00
	50 (RB_Pos:0)	22.60	22.68	22.60	24.00	21.66	21.74	21.62	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18625	18900	19175		18625	18900	19175	
5 MHz	1 (RB_Pos:0)	22.10	22.30	22.10	24.00	21.38	21.79	21.32	23.00
	1 (RB_Pos:13)	22.23	22.44	22.24	24.00	21.56	21.93	21.44	23.00
	1 (RB_Pos:24)	22.12	22.36	22.07	24.00	21.49	21.81	21.37	23.00
	12 (RB_Pos:0)	22.39	22.55	22.44	24.00	21.58	21.63	21.56	23.00
	12 (RB_Pos:6)	22.51	22.59	22.46	24.00	21.71	21.69	21.62	23.00
	12 (RB_Pos:13)	22.53	22.54	22.38	24.00	21.59	21.65	21.53	23.00

	25 (RB_Pos:0)	22.49	22.58	22.50	24.00	21.62	21.59	21.47	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18615	18900	19185		18615	18900	19185	
3.0 MHz	1 (RB_Pos:0)	21.82	21.86	21.81	23.00	20.68	21.28	20.98	23.00
	1 (RB_Pos:8)	21.95	21.95	22.00	23.00	20.73	21.44	21.00	23.00
	1 (RB_Pos:14)	21.86	21.91	21.88	23.00	20.71	21.34	20.86	23.00
	8 (RB_Pos:0)	22.40	22.35	22.37	24.00	21.35	21.50	21.36	23.00
	8 (RB_Pos:3)	22.38	22.39	22.47	24.00	21.18	21.57	21.35	23.00
	8 (RB_Pos:7)	22.25	22.33	22.37	24.00	21.40	21.47	21.28	23.00
	15 (RB_Pos:0)	22.24	22.28	22.37	23.00	21.35	21.42	21.16	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18607	18900	19193		18607	18900	19193	
1.4 MHz	1 (RB_Pos:0)	22.09	22.11	21.90	23.00	21.16	21.49	20.88	23.00
	1 (RB_Pos:3)	22.13	22.06	21.97	23.00	21.24	21.57	21.05	23.00
	1 (RB_Pos:5)	22.00	22.04	21.83	23.00	21.16	21.40	21.01	23.00
	3 (RB_Pos:0)	23.35	23.47	23.29	24.00	22.48	22.62	22.48	23.00
	3 (RB_Pos:1)	23.42	23.51	23.29	24.00	22.51	22.66	22.54	23.00
	3 (RB_Pos:3)	23.37	23.48	23.15	24.00	22.56	22.66	22.48	23.00
	6 (RB_Pos:0)	22.43	22.52	22.11	23.00	21.67	21.38	21.51	23.00

FDD LTE Band 4									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20050	20175	20300		20050	20175	20300	
20 MHz	1 (RB_Pos:0)	22.25	22.41	22.37	24.00	21.82	21.96	21.80	23.00
	1 (RB_Pos:50)	22.53	**22.66**	22.62	24.00	22.10	22.12	22.08	23.00
	1 (RB_Pos:99)	22.43	22.52	22.52	24.00	21.88	21.95	21.95	23.00
	50 (RB_Pos:0)	22.70	22.79	22.78	24.00	21.72	21.81	21.80	23.00
	50 (RB_Pos:25)	22.82	22.88	22.91	24.00	21.85	21.92	21.89	23.00
	50 (RB_Pos:50)	22.85	22.87	22.81	24.00	21.86	21.84	21.78	23.00
	100 (RB_Pos:0)	22.72	22.80	22.82	24.00	21.76	21.81	21.81	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20025	20175	20325		20025	20175	20325	
15 MHz	1 (RB_Pos:0)	22.33	22.48	22.48	24.00	21.29	21.89	21.89	23.00
	1 (RB_Pos:38)	22.45	22.61	22.64	24.00	21.48	22.06	22.05	23.00
	1 (RB_Pos:74)	22.43	22.52	22.57	24.00	21.41	21.92	22.01	23.00
	36 (RB_Pos:0)	22.65	22.76	22.86	24.00	21.61	21.83	21.86	23.00

	36 (RB_Pos:20)	22.73	22.89	22.90	24.00	21.74	21.94	21.85	23.00
	36 (RB_Pos:39)	22.76	22.90	22.85	24.00	21.76	21.93	21.81	23.00
	75 (RB_Pos:0)	22.76	22.85	22.94	24.00	21.76	21.86	21.85	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20000	20175	20350		20000	20175	20350	
10 MHz	1 (RB_Pos:0)	22.40	22.60	22.53	24.00	21.33	21.88	21.58	23.00
	1 (RB_Pos:25)	22.46	22.59	22.61	24.00	21.45	22.01	21.66	23.00
	1 (RB_Pos:49)	22.43	22.57	22.56	24.00	21.44	21.99	21.63	23.00
	25 (RB_Pos:0)	22.63	22.70	22.78	24.00	21.62	21.79	21.87	23.00
	25 (RB_Pos:12)	22.72	22.81	22.80	24.00	21.77	21.88	21.95	23.00
	25 (RB_Pos:25)	22.69	22.82	22.80	24.00	21.77	21.86	21.90	23.00
	50 (RB_Pos:0)	22.66	22.78	22.78	24.00	21.68	21.83	21.81	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19975	20175	20375		19975	20175	20375	
5 MHz	1 (RB_Pos:0)	22.31	22.49	22.47	24.00	21.51	22.03	21.56	23.00
	1 (RB_Pos:13)	22.44	22.59	22.56	24.00	21.55	22.14	21.72	23.00
	1 (RB_Pos:24)	22.34	22.48	22.51	24.00	21.53	22.03	21.64	23.00
	12 (RB_Pos:0)	22.55	22.78	22.71	24.00	21.64	21.90	21.77	23.00
	12 (RB_Pos:6)	22.65	22.77	22.85	24.00	21.74	21.96	21.83	23.00
	12 (RB_Pos:13)	22.59	22.72	22.75	24.00	21.68	21.88	21.86	23.00
	25 (RB_Pos:0)	22.57	22.73	22.78	24.00	21.68	21.87	21.78	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19965	20175	20385		19965	20175	20385	
3.0 MHz	1 (RB_Pos:0)	22.05	22.24	22.21	24.00	21.03	21.61	21.31	23.00
	1 (RB_Pos:8)	22.10	22.33	22.30	24.00	21.06	21.72	21.36	23.00
	1 (RB_Pos:14)	22.04	22.26	22.23	24.00	20.94	21.62	21.35	22.00
	8 (RB_Pos:0)	22.57	22.70	22.71	24.00	21.66	21.86	21.75	23.00
	8 (RB_Pos:3)	22.61	22.77	22.78	24.00	21.73	21.85	21.83	23.00
	8 (RB_Pos:7)	22.51	22.75	22.72	24.00	21.65	21.75	21.77	23.00
	15 (RB_Pos:0)	22.53	22.64	22.74	24.00	21.59	21.70	21.68	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19957	20175	20393		19957	20175	20393	
1.4 MHz	1 (RB_Pos:0)	22.18	22.28	22.23	24.00	21.27	21.67	21.34	23.00
	1 (RB_Pos:3)	22.17	22.35	22.34	24.00	21.36	21.74	21.42	23.00
	1 (RB_Pos:5)	22.13	22.30	22.27	24.00	21.29	21.71	21.39	23.00
	3 (RB_Pos:0)	23.53	23.67	23.69	24.00	22.56	22.87	22.86	23.00
	3 (RB_Pos:1)	23.56	23.71	23.73	24.00	22.58	22.85	22.86	23.00

	3 (RB_Pos:3)	23.53	23.68	23.71	24.00	22.57	22.84	22.83	23.00
	6 (RB_Pos:0)	22.59	22.73	22.74	24.00	21.75	21.66	21.91	23.00

FDD LTE Band 5									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20450	20525	20600		20450	20525	20600	
10 MHz	1 (RB_Pos:0)	22.35	22.38	22.32	24.30	21.35	21.82	21.49	23.30
	1 (RB_Pos:25)	22.41	**22.45**	22.42	24.30	21.46	21.86	21.47	23.30
	1 (RB_Pos:49)	22.34	22.36	22.37	24.30	21.35	21.75	21.45	23.30
	25 (RB_Pos:0)	22.70	22.53	22.67	24.30	21.77	21.58	21.86	23.30
	25 (RB_Pos:12)	22.73	22.68	22.69	24.30	21.78	21.76	21.78	23.30
	25 (RB_Pos:25)	22.75	22.59	22.69	24.30	21.80	21.66	21.79	23.30
	50 (RB_Pos:0)	22.72	22.59	22.67	24.30	21.75	21.62	21.73	23.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20425	20525	20625		20425	20525	20625	
5 MHz	1 (RB_Pos:0)	22.36	22.36	22.31	24.30	21.53	21.88	21.53	23.30
	1 (RB_Pos:13)	22.49	22.45	22.42	24.30	21.63	21.95	21.58	23.30
	1 (RB_Pos:24)	22.35	22.33	22.30	24.30	21.56	21.84	21.49	23.30
	12 (RB_Pos:0)	22.60	22.53	22.54	24.30	21.74	21.70	21.66	23.30
	12 (RB_Pos:6)	22.68	22.65	22.60	24.30	21.76	21.83	21.67	23.30
	12 (RB_Pos:13)	22.58	22.60	22.56	24.30	21.76	21.75	21.64	23.30
	25 (RB_Pos:0)	22.67	22.63	22.58	24.30	21.71	21.74	21.59	23.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20415	20525	20635		20415	20525	20635	
3.0 MHz	1 (RB_Pos:0)	22.03	22.06	22.03	23.30	21.05	21.48	21.11	22.30
	1 (RB_Pos:8)	22.13	22.12	22.08	23.30	21.16	21.60	21.18	22.30
	1 (RB_Pos:14)	22.03	22.02	21.98	23.30	21.00	21.45	21.07	22.30
	8 (RB_Pos:0)	22.56	22.52	22.52	24.30	21.71	21.63	21.55	23.30
	8 (RB_Pos:3)	22.61	22.58	22.53	24.30	21.73	21.67	21.61	23.30
	8 (RB_Pos:7)	22.51	22.49	22.44	24.30	21.63	21.58	21.53	23.30
	15 (RB_Pos:0)	22.51	22.52	22.49	24.30	21.57	21.52	21.42	23.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20407	20525	20643		20407	20525	20643	
1.4 MHz	1 (RB_Pos:0)	22.18	22.23	22.09	23.30	21.32	21.58	21.15	22.30
	1 (RB_Pos:3)	22.23	22.22	22.18	23.30	21.43	21.63	21.25	22.30
	1 (RB_Pos:5)	22.20	22.18	22.07	23.30	21.38	21.58	21.25	22.30

	3 (RB_Pos:0)	23.54	23.55	23.51	24.30	22.58	22.77	22.68	23.30
	3 (RB_Pos:1)	23.56	23.58	23.54	24.30	22.61	22.76	22.72	23.30
	3 (RB_Pos:3)	23.54	23.56	23.52	24.30	22.64	22.78	22.70	23.30
	6 (RB_Pos:0)	22.61	22.59	22.52	24.30	21.77	21.55	21.74	23.30

FDD LTE Band 7									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20850	21100	21350		20850	21100	21350	
20 MHz	1 (RB_Pos:0)	23.49	23.41	23.30	23.80	22.89	22.73	22.72	23.30
	1 (RB_Pos:50)	**23.65**	23.59	23.60	23.80	23.14	22.95	22.95	23.30
	1 (RB_Pos:99)	23.52	23.50	23.52	23.80	22.96	22.92	22.88	23.30
	50 (RB_Pos:0)	22.47	22.47	22.46	22.80	21.54	21.50	21.45	22.30
	50 (RB_Pos:25)	22.63	22.55	22.57	22.80	21.68	21.58	21.58	22.30
	50 (RB_Pos:50)	22.64	22.52	22.47	22.80	21.66	21.51	21.46	22.30
	100 (RB_Pos:0)	22.59	22.44	22.46	22.80	21.62	21.50	21.48	22.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20825	21100	21375		20825	21100	21375	
15 MHz	1 (RB_Pos:0)	23.53	23.45	23.44	23.80	22.43	22.77	22.79	23.30
	1 (RB_Pos:38)	23.62	23.53	23.68	23.80	22.58	22.89	22.92	23.30
	1 (RB_Pos:74)	23.51	23.52	23.59	23.80	22.42	22.83	22.90	23.30
	36 (RB_Pos:0)	22.58	22.50	22.50	22.80	21.57	21.53	21.46	22.30
	36 (RB_Pos:20)	22.62	22.53	22.59	22.80	21.63	21.58	21.53	22.30
	36 (RB_Pos:39)	22.61	22.53	22.57	22.80	21.62	21.56	21.49	22.30
	75 (RB_Pos:0)	22.58	22.57	22.54	22.80	21.63	21.54	21.51	22.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20800	21100	21400		20800	21100	21400	
10 MHz	1 (RB_Pos:0)	23.58	23.49	23.54	23.80	22.45	22.77	22.53	23.30
	1 (RB_Pos:25)	23.62	23.55	23.64	23.80	22.53	22.85	22.55	23.30
	1 (RB_Pos:49)	23.56	23.51	23.69	23.80	22.47	22.86	22.62	23.30
	25 (RB_Pos:0)	22.55	22.47	22.50	22.80	21.60	21.56	21.59	22.30
	25 (RB_Pos:12)	22.60	22.51	22.55	22.80	21.70	21.60	21.65	22.30
	25 (RB_Pos:25)	22.61	22.46	22.49	22.80	21.67	21.57	21.62	22.30
	50 (RB_Pos:0)	22.57	22.51	22.53	22.80	21.59	21.53	21.56	22.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20775	21100	21425		20775	21100	21425	
5 MHz	1 (RB_Pos:0)	23.49	23.44	23.47	23.80	22.60	22.90	22.51	23.30

	1 (RB_Pos:13)	23.65	23.55	23.66	23.80	22.76	23.02	22.67	23.30
	1 (RB_Pos:24)	23.54	23.46	23.54	23.80	22.65	22.90	22.64	23.30
	12 (RB_Pos:0)	22.54	22.42	22.60	22.80	21.58	21.62	21.59	22.30
	12 (RB_Pos:6)	22.58	22.49	22.61	22.80	21.65	21.64	21.65	22.30
	12 (RB_Pos:13)	22.58	22.40	22.52	22.80	21.65	21.56	21.54	22.30
	25 (RB_Pos:0)	22.54	22.44	22.52	22.80	21.59	21.56	21.50	22.30

TDD LTE Band 38									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37850	38000	38150		37850	38000	38150	
20 MHz	1 (RB_Pos:0)	22.81	22.79	22.84	24.00	23.05	22.97	23.18	24.00
	1 (RB_Pos:50)	22.97	22.97	**23.03**	24.00	23.26	23.17	23.35	24.00
	1 (RB_Pos:99)	22.79	22.75	22.75	24.00	23.08	22.94	23.12	24.00
	50 (RB_Pos:0)	22.84	22.90	22.85	24.00	21.82	21.91	21.92	23.00
	50 (RB_Pos:25)	22.92	22.98	22.92	24.00	21.90	21.95	21.96	23.00
	50 (RB_Pos:50)	22.84	22.86	22.80	24.00	21.82	21.84	21.86	23.00
	100 (RB_Pos:0)	22.84	22.85	22.86	24.00	21.83	21.88	21.84	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37825	38000	38175		37825	38000	38175	
15 MHz	1 (RB_Pos:0)	22.87	22.92	22.87	24.00	23.12	23.36	23.18	24.00
	1 (RB_Pos:38)	23.00	23.04	22.95	24.00	23.21	23.46	23.23	24.00
	1 (RB_Pos:74)	22.87	22.90	22.78	24.00	23.09	23.28	23.03	24.00
	36 (RB_Pos:0)	22.84	22.91	22.85	24.00	21.85	21.90	21.83	23.00
	36 (RB_Pos:20)	22.89	22.91	22.86	24.00	21.89	21.91	21.86	23.00
	36 (RB_Pos:39)	22.87	22.87	22.79	24.00	21.85	21.85	21.83	23.00
	75 (RB_Pos:0)	22.89	22.91	22.81	24.00	21.86	21.90	21.79	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37800	38000	38200		37800	38000	38200	
10 MHz	1 (RB_Pos:0)	22.94	22.99	22.96	24.00	23.15	23.39	23.30	24.00
	1 (RB_Pos:25)	22.96	23.02	22.94	24.00	23.20	23.42	23.28	24.00
	1 (RB_Pos:49)	22.92	22.96	22.86	24.00	23.17	23.36	23.21	24.00
	25 (RB_Pos:0)	22.88	22.94	22.84	24.00	21.90	21.95	21.92	23.00
	25 (RB_Pos:12)	22.91	22.93	22.86	24.00	21.95	21.96	21.91	23.00
	25 (RB_Pos:25)	22.92	22.90	22.81	24.00	21.94	21.93	21.86	23.00
	50 (RB_Pos:0)	22.89	22.93	22.87	24.00	21.92	21.95	21.90	23.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit	16QAM			Tune up limit
	Channel	37775	38000	38225		37775	38000	38225	

					(dBm)				(dBm)
5 MHz	1 (RB_Pos:0)	22.84	22.81	22.82	24.00	23.00	23.11	23.14	24.00
	1 (RB_Pos:13)	22.95	22.95	22.88	24.00	23.14	23.25	23.24	24.00
	1 (RB_Pos:24)	22.79	22.81	22.77	24.00	23.00	23.12	23.12	24.00
	12 (RB_Pos:0)	22.81	22.80	22.78	24.00	21.89	21.86	21.90	23.00
	12 (RB_Pos:6)	22.88	22.89	22.80	24.00	21.91	21.92	21.88	23.00
	12 (RB_Pos:13)	22.81	22.86	22.79	24.00	21.87	21.88	21.89	23.00
	25 (RB_Pos:0)	22.78	22.86	22.74	24.00	21.83	21.95	21.80	23.00

TDD LTE Band 41									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40140	40765	41140		40140	40765	41140	
20 MHz	1 (RB_Pos:0)	23.23	23.32	23.01	24.00	22.43	22.49	22.28	23.00
	1 (RB_Pos:50)	**23.45**	23.42	23.22	24.00	22.66	22.58	22.48	23.00
	1 (RB_Pos:99)	23.27	23.12	23.01	24.00	22.47	22.28	22.28	23.00
	50 (RB_Pos:0)	22.29	22.36	22.00	23.00	21.25	21.39	21.04	22.00
	50 (RB_Pos:25)	22.35	22.35	22.06	23.00	21.34	21.39	21.07	22.00
	50 (RB_Pos:50)	22.34	22.28	21.92	23.00	21.29	21.27	20.94	22.00
	100 (RB_Pos:0)	22.28	22.33	21.93	23.00	21.30	21.30	20.91	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40115	40765	41165		40115	40765	41165	
15 MHz	1 (RB_Pos:0)	23.31	23.41	23.04	24.00	22.50	22.78	22.22	23.00
	1 (RB_Pos:38)	23.48	23.44	23.16	24.00	22.66	22.82	22.35	23.00
	1 (RB_Pos:74)	23.31	23.23	23.05	24.00	22.50	22.63	22.26	23.00
	36 (RB_Pos:0)	22.37	22.31	22.02	23.00	21.30	21.29	21.01	22.00
	36 (RB_Pos:20)	22.36	22.34	22.04	23.00	21.33	21.31	21.08	22.00
	36 (RB_Pos:39)	22.31	22.28	22.00	23.00	21.30	21.26	20.95	22.00
	75 (RB_Pos:0)	22.35	22.31	22.08	23.00	21.31	21.32	21.00	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40090	40765	41190		40090	40765	41190	
10 MHz	1 (RB_Pos:0)	23.35	23.43	23.07	24.00	22.56	22.82	22.28	23.00
	1 (RB_Pos:25)	23.43	23.45	23.14	24.00	22.61	22.80	22.41	23.00
	1 (RB_Pos:49)	23.38	23.33	23.06	24.00	22.60	22.69	22.34	23.00
	25 (RB_Pos:0)	22.33	22.35	22.02	23.00	21.33	21.35	21.07	22.00
	25 (RB_Pos:12)	22.36	22.34	21.97	23.00	21.37	21.36	21.04	22.00
	25 (RB_Pos:25)	22.36	22.30	21.94	23.00	21.36	21.31	20.97	22.00
	50 (RB_Pos:0)	22.36	22.37	22.02	23.00	21.34	21.34	21.06	22.00
Bandwidth	RB Set	Power (dBm)							

(MHz)		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40065	40765	41215		40065	40765	41215	
5 MHz	1 (RB_Pos:0)	23.31	23.31	23.01	24.00	22.47	22.53	22.27	23.00
	1 (RB_Pos:13)	23.45	23.44	23.13	24.00	22.60	22.66	22.41	23.00
	1 (RB_Pos:24)	23.35	23.27	23.00	24.00	22.49	22.50	22.29	23.00
	12 (RB_Pos:0)	22.33	22.28	21.99	23.00	21.33	21.28	21.06	22.00
	12 (RB_Pos:6)	22.37	22.33	21.99	23.00	21.38	21.34	21.12	22.00
	12 (RB_Pos:13)	22.33	22.26	21.94	23.00	21.33	21.25	21.02	22.00
	25 (RB_Pos:0)	22.34	22.27	21.96	23.00	21.35	21.33	21.01	22.00

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	11.43	12.00	No
		6	2437	**15.30**	16.00	Yes
		11	2462	14.93	16.00	No
	802.11g	1	2412	14.66	16.00	No
		6	2437	15.58	16.00	No
		11	2462	15.00	16.00	No
	802.11n(HT20)	1	2412	13.63	15.00	No
		6	2437	14.37	15.00	No
		11	2462	13.92	15.00	No
	802.11n(HT40)	3	2422	13.30	14.00	No
		6	2437	13.30	14.00	No
		9	2452	12.38	14.00	No

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	16.73	17.50	No
		40	5200	16.99	17.50	No
		48	5240	17.15	17.50	No
	802.11n(HT20)	36	5180	14.70	15.00	No
		44	5220	14.89	15.00	No
		48	5240	14.95	15.00	No
	802.11n(HT40)	38	5190	12.68	14.00	No
		46	5230	13.64	14.00	No
	802.11ac(VHT20)	36	5180	13.61	14.00	No
		40	5200	13.27	14.00	No
		48	5240	13.85	14.00	No
	802.11ac(VHT40)	38	5190	11.04	12.00	No
		46	5230	11.57	12.00	No
	802.11ac(VHT80)	42	5210	10.25	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.05	17.50	No
		60	5300	17.12	17.50	No
		64	5320	15.27	16.00	No
	802.11n(HT20)	52	5260	14.16	15.00	No
		60	5300	14.88	15.00	No
		64	5320	14.58	15.00	No

	802.11n(HT40)	54	5270	12.93	13.00	No
		62	5310	12.18	13.00	No
	802.11ac(VHT20)	52	5260	13.16	14.00	No
		60	5300	13.40	14.00	No
		64	5320	13.62	14.00	No
	802.11ac(VHT40)	54	5270	11.34	12.00	No
		62	5310	10.63	11.00	No
	802.11ac(VHT80)	58	5290	9.87	10.00	No
5.6 (5.47~5.725)	802.11a	100	5500	15.31	16.00	No
		116	5580	17.13	17.50	No
		140	5700	13.84	14.00	No
	802.11n(HT20)	100	5500	15.10	15.50	No
		116	5580	15.11	15.50	No
		140	5700	14.70	15.50	No
	802.11n(HT40)	102	5510	12.56	13.00	No
		118	5590	13.95	14.00	No
		134	5670	13.57	14.00	No
	802.11ac(VHT20)	100	5500	14.08	14.50	No
		116	5580	14.06	14.50	No
		140	5700	13.67	14.00	No
	802.11ac(VHT40)	102	5510	11.76	12.00	No
		118	5590	11.97	12.00	No
		134	5670	11.62	12.00	No
	802.11ac(VHT80)	106	5530	10.70	11.00	No
		122	5610	10.41	11.00	No
5.8 (5.725~5.850)	802.11a	149	5745	15.37	16.50	No
		157	5785	15.06	16.50	No
		165	5825	15.36	16.50	No
	802.11n(HT20)	149	5745	14.79	15.00	No
		157	5785	14.52	15.00	No
		165	5825	14.59	15.00	No
	802.11n(HT40)	151	5755	13.25	14.00	No
		159	5795	13.06	14.00	No
	802.11ac(VHT20)	149	5745	14.30	14.50	No
		157	5785	13.09	14.50	No
		165	5825	13.64	14.50	No
	802.11ac(VHT40)	151	5755	11.18	11.50	No
		159	5795	10.89	11.50	No
	802.11ac(VHT80)	155	5775	9.35	10.00	No

8.5 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	11.14	**11.25**	11.18	9.43	9.53	9.15
Tune-Up Limit (dBm)	13.00			11.00		
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	9.46	9.54	9.17	/	/	/
Tune-Up Limit (dBm)	11.00			/		
Mode	BLE (1Mbps)			BLE (2Mbps)		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	-2.44	-1.78	-2.94	-2.37	-1.75	-2.85
Tune-Up Limit (dBm)	-1.00			-1.00		

8.6 Power Reduction List

8.6.1 Power Reduced Level 8&9 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)	32.17	32.23	32.31	32.50	22.98	23.04	23.12	23.31
GPRS (GMSK, 1-Slot)	32.14	32.21	32.29	32.50	22.95	23.02	23.10	23.31
GPRS (GMSK, 2-Slots)	30.56	30.59	30.67	31.00	24.43	24.46	**24.54**	24.87
GPRS (GMSK, 3-Slots)	28.42	28.45	28.52	29.00	24.00	24.03	24.10	24.58
GPRS (GMSK, 4-Slots)	27.35	27.38	27.45	28.00	24.17	24.20	24.27	24.82
EGPRS (8PSK, 1-Slot)	26.48	26.51	26.51	27.00	17.29	17.32	17.32	17.81
EGPRS (8PSK, 2-Slots)	23.35	23.35	23.47	24.00	17.22	17.22	17.34	17.87
EGPRS (8PSK, 3-Slots)	22.68	22.70	22.83	23.00	18.26	18.28	18.41	18.58
EGPRS (8PSK, 4-Slots)	22.35	22.43	22.49	23.00	19.17	19.25	19.31	19.82

8.6.2 Power Reduced Level 1 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)	23.53	23.50	23.52	24.50	14.34	14.31	14.33	15.31
GPRS (GMSK, 1-Slot)	23.45	23.27	23.27	24.50	14.26	14.08	14.08	15.31
GPRS (GMSK, 2-Slots)	20.49	20.28	20.27	21.50	**14.36**	14.15	14.14	15.37
GPRS (GMSK, 3-Slots)	18.72	18.53	18.50	19.00	14.30	14.11	14.08	14.58
GPRS (GMSK, 4-Slots)	17.36	17.17	17.15	18.00	14.18	13.99	13.97	14.82
EGPRS (8PSK, 1-Slot)	20.11	20.00	20.00	21.00	10.92	10.81	10.81	11.81
EGPRS (8PSK, 2-Slots)	17.11	16.95	17.08	18.00	10.98	10.82	10.95	11.87
EGPRS (8PSK, 3-Slots)	15.03	14.82	14.70	15.50	10.61	10.40	10.28	11.08
EGPRS (8PSK, 4-Slots)	13.56	13.46	13.25	14.00	10.38	10.28	10.07	10.82

8.6.3 Power Reduced Level 2&3 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)	22.44	22.35	22.36	23.50	13.25	13.16	13.17	14.31
GPRS (GMSK, 1-Slot)	22.42	22.33	22.35	23.50	13.23	13.14	13.16	14.31
GPRS (GMSK, 2-Slots)	19.42	19.25	19.22	20.50	**13.29**	13.12	13.09	14.37
GPRS (GMSK, 3-Slots)	17.67	17.49	17.46	18.00	13.25	13.07	13.04	13.58
GPRS (GMSK, 4-Slots)	16.44	16.24	16.21	17.00	13.26	13.06	13.03	13.82
EGPRS (8PSK, 1-Slot)	19.14	19.00	19.61	20.00	9.95	9.81	10.42	10.81
EGPRS (8PSK, 2-Slots)	15.88	15.64	15.46	16.00	9.75	9.51	9.33	9.87
EGPRS (8PSK, 3-Slots)	14.21	13.65	13.47	15.00	9.79	9.23	9.05	10.58
EGPRS (8PSK, 4-Slots)	12.33	12.43	12.07	13.00	9.15	9.25	8.89	9.82

8.6.4 Power Reduced Level 4&7 of GSM 1900

GSM 1900								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power(dBm)			Tune-up
Channel	512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
GSM (GMSK, 1-Slot)	26.44	26.35	26.36	27.50	17.25	17.16	17.17	18.31
GPRS (GMSK, 1-Slot)	26.39	26.34	26.35	27.50	17.20	17.15	17.16	18.31
GPRS (GMSK, 2-Slots)	23.42	23.24	23.25	24.50	**17.29**	17.11	17.12	18.37
GPRS (GMSK, 3-Slots)	21.70	21.53	21.51	22.00	17.28	17.11	17.09	17.58
GPRS (GMSK, 4-Slots)	20.45	20.24	20.22	21.00	17.27	17.06	17.04	17.82
EGPRS (8PSK, 1-Slot)	22.91	22.72	22.59	23.00	13.72	13.53	13.40	13.81
EGPRS (8PSK, 2-Slots)	20.43	20.11	20.03	21.00	14.30	13.98	13.90	14.87
EGPRS (8PSK, 3-Slots)	18.38	17.91	17.50	19.00	13.96	13.49	13.08	14.58
EGPRS (8PSK, 4-Slots)	16.84	16.61	16.10	17.00	13.66	13.43	12.92	13.82

8.6.5 Power Reduced Level 5&6&8&9 of GSM 1900

GSM 1900								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power(dBm)			Tune-up
Channel	512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
GSM (GMSK, 1-Slot)	25.63	25.53	25.53	26.50	16.44	16.34	16.34	17.31
GPRS (GMSK, 1-Slot)	25.64	25.54	25.56	26.50	16.45	16.35	16.37	17.31
GPRS (GMSK, 2-Slots)	22.78	22.59	22.63	23.50	**16.65**	16.46	16.50	17.37
GPRS (GMSK, 3-Slots)	21.02	20.79	20.79	21.50	16.60	16.37	16.37	17.08
GPRS (GMSK, 4-Slots)	19.70	19.48	19.49	20.50	16.52	16.30	16.31	17.32
EGPRS (8PSK, 1-Slot)	22.06	22.07	21.96	23.00	12.87	12.88	12.77	13.81
EGPRS (8PSK, 2-Slots)	19.11	19.01	18.87	20.00	12.98	12.88	12.74	13.87
EGPRS (8PSK, 3-Slots)	17.23	17.20	16.95	18.00	12.81	12.78	12.53	13.58
EGPRS (8PSK, 4-Slots)	15.74	15.64	15.46	16.00	12.56	12.46	12.28	12.82

8.6.6 Power Reduced Level 1 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	16.76	16.77	**16.81**	18.30
HSDPA Subtest-1	16.85	16.83	16.89	17.30
HSDPA Subtest-2	16.81	16.85	16.84	17.30
HSDPA Subtest-3	16.33	16.33	16.40	16.80
HSDPA Subtest-4	16.29	16.28	16.31	16.80
HSUPA Subtest-1	14.55	14.54	14.53	14.80
HSUPA Subtest-2	14.77	14.77	14.75	14.80
HSUPA Subtest-3	15.77	15.79	15.82	16.30
HSUPA Subtest-4	14.25	14.32	14.31	14.80
HSUPA Subtest-5	15.73	15.75	15.79	15.80

8.6.7 Power Reduced Level 2&3 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	15.76	15.73	**15.79**	17.30
HSDPA Subtest-1	15.82	15.80	15.83	16.30
HSDPA Subtest-2	15.81	15.83	15.86	16.30
HSDPA Subtest-3	15.30	15.34	15.34	15.80
HSDPA Subtest-4	15.27	15.29	15.32	15.80
HSUPA Subtest-1	13.53	13.53	13.55	13.80
HSUPA Subtest-2	13.77	13.79	13.83	13.80
HSUPA Subtest-3	14.79	14.83	14.82	15.30
HSUPA Subtest-4	13.29	13.31	13.31	13.80
HSUPA Subtest-5	14.79	14.78	14.79	14.80

8.6.8 Power Reduced Level 4&7 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	19.74	19.72	**19.75**	21.30
HSDPA Subtest-1	19.81	19.81	19.87	20.30
HSDPA Subtest-2	19.80	19.85	19.80	20.30
HSDPA Subtest-3	19.28	19.30	19.33	19.80
HSDPA Subtest-4	19.24	19.30	19.34	19.80
HSUPA Subtest-1	17.59	17.56	17.61	18.30
HSUPA Subtest-2	17.86	17.84	17.87	18.30
HSUPA Subtest-3	18.79	18.78	18.83	19.30
HSUPA Subtest-4	17.37	17.34	17.40	18.30
HSUPA Subtest-5	18.76	18.76	18.80	19.30

8.6.9 Power Reduced Level 5&6&8&9 of WCDMA Band 2

WCDMA	Band 2			
Channel	9262	9400	9538	Tune-up Limit (dBm)
RMC 12.2Kbps	18.72	18.71	**18.75**	20.30
HSDPA Subtest-1	18.83	18.83	18.84	19.30
HSDPA Subtest-2	18.78	18.84	18.85	19.30
HSDPA Subtest-3	18.29	18.31	18.33	18.80
HSDPA Subtest-4	18.29	18.26	18.35	18.80
HSUPA Subtest-1	16.56	16.57	16.60	17.30
HSUPA Subtest-2	16.82	16.85	16.81	17.30
HSUPA Subtest-3	17.80	17.80	17.84	18.30
HSUPA Subtest-4	16.31	16.30	16.36	17.30
HSUPA Subtest-5	17.84	17.82	17.81	18.30

8.6.10 Power Reduced Level 1 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	**19.44**	19.36	19.32	20.80
HSDPA Subtest-1	19.46	19.44	19.41	19.80
HSDPA Subtest-2	19.53	19.39	19.40	19.80
HSDPA Subtest-3	19.03	18.92	18.87	20.30
HSDPA Subtest-4	18.99	18.86	18.87	20.30
HSUPA Subtest-1	17.26	17.22	17.20	18.80
HSUPA Subtest-2	17.51	17.47	17.42	18.80
HSUPA Subtest-3	18.54	18.43	18.38	19.80
HSUPA Subtest-4	17.04	16.96	16.94	18.80
HSUPA Subtest-5	18.53	18.43	18.37	19.80

8.6.11 Power Reduced Level 2&3 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	**18.49**	18.41	18.30	19.80
HSDPA Subtest-1	18.51	18.44	18.38	18.80
HSDPA Subtest-2	18.47	18.41	18.35	18.80
HSDPA Subtest-3	18.03	17.94	17.92	19.30
HSDPA Subtest-4	18.03	17.92	17.91	19.30
HSUPA Subtest-1	16.30	16.21	16.19	17.80
HSUPA Subtest-2	16.57	16.43	16.44	17.80
HSUPA Subtest-3	17.52	17.46	17.45	18.80
HSUPA Subtest-4	16.06	15.97	15.98	17.80
HSUPA Subtest-5	17.51	17.43	17.43	18.80

8.6.12 Power Reduced Level 4&7 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	**20.93**	20.87	20.86	22.30
HSDPA Subtest-1	21.05	20.93	20.93	21.30
HSDPA Subtest-2	21.03	20.91	20.92	21.30
HSDPA Subtest-3	20.56	20.47	20.43	20.80
HSDPA Subtest-4	20.52	20.39	20.43	20.80
HSUPA Subtest-1	18.79	18.66	18.66	19.30
HSUPA Subtest-2	19.03	18.91	18.92	19.30
HSUPA Subtest-3	20.02	19.94	19.93	20.30
HSUPA Subtest-4	18.52	18.42	18.41	19.30
HSUPA Subtest-5	20.01	19.95	19.90	20.30

8.6.13 Power Reduced Level 5&6 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	**19.97**	19.84	19.82	21.30
HSDPA Subtest-1	20.03	20.02	19.85	20.30
HSDPA Subtest-2	19.98	19.95	19.97	20.30
HSDPA Subtest-3	19.52	19.51	19.55	19.80
HSDPA Subtest-4	19.49	19.58	19.56	19.80
HSUPA Subtest-1	17.79	17.70	17.70	18.30
HSUPA Subtest-2	18.03	17.94	17.94	18.30
HSUPA Subtest-3	19.01	18.93	18.89	19.30
HSUPA Subtest-4	17.55	17.46	17.43	18.30
HSUPA Subtest-5	18.99	18.92	18.91	19.30

8.6.14 Power Reduced Level 8&9 of WCDMA Band 4

WCDMA	Band 4			
Channel	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	**19.21**	19.15	19.13	20.30
HSDPA Subtest-1	19.20	19.15	19.17	19.30
HSDPA Subtest-2	19.21	19.12	19.18	19.30
HSDPA Subtest-3	18.80	18.71	18.68	19.30
HSDPA Subtest-4	18.73	18.63	18.62	19.30
HSUPA Subtest-1	16.98	16.91	16.92	17.30
HSUPA Subtest-2	17.19	17.10	17.14	17.30
HSUPA Subtest-3	18.18	18.14	18.19	18.30
HSUPA Subtest-4	16.72	16.65	16.66	17.30
HSUPA Subtest-5	18.20	18.16	18.17	18.30

8.6.15 Power Reduced Level 8&9 of WCDMA Band 5

WCDMA	Band 5			
Channel	4132	4182	4233	Tune-up Limit (dBm)
RMC 12.2Kbps	**22.41**	22.32	22.39	23.50
HSDPA Subtest-1	22.41	22.35	22.40	22.50
HSDPA Subtest-2	22.39	22.32	22.38	22.50
HSDPA Subtest-3	21.91	21.84	21.91	22.00
HSDPA Subtest-4	21.90	21.91	21.84	22.00
HSUPA Subtest-1	20.11	20.07	20.14	20.50
HSUPA Subtest-2	20.35	20.30	20.34	20.50
HSUPA Subtest-3	21.40	21.33	21.37	22.00
HSUPA Subtest-4	19.89	19.85	19.90	20.00
HSUPA Subtest-5	21.37	21.32	21.39	22.00

8.6.16 Power Reduced Level 1 of LTE Band 2

FDD LTE Band 2									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18700	18900	19100		18700	18900	19100	
20 MHz	1 (RB_Pos:0)	15.01	15.05	14.97	16.00	15.14	14.95	15.05	16.00
	1 (RB_Pos:50)	15.19	**15.21**	15.12	16.00	15.06	15.16	15.03	16.00
	1 (RB_Pos:99)	15.08	15.08	14.97	16.00	15.23	15.17	14.95	16.00
	50 (RB_Pos:0)	16.37	16.31	16.59	18.00	16.33	16.42	16.54	18.00
	50 (RB_Pos:25)	16.45	16.45	16.42	18.00	16.34	16.55	16.28	18.00
	50 (RB_Pos:50)	16.35	16.44	16.38	18.00	16.28	16.42	16.51	18.00
	100 (RB_Pos:0)	16.36	16.41	16.45	18.00	16.32	16.40	16.55	18.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18675	18900	19125		18675	18900	19125	
15 MHz	1 (RB_Pos:0)	15.04	15.10	15.04	16.00	15.00	14.93	14.98	16.00
	1 (RB_Pos:38)	15.13	15.18	15.16	16.00	15.24	15.14	15.03	16.00
	1 (RB_Pos:74)	15.03	15.10	15.01	16.00	15.00	15.01	14.91	16.00
	36 (RB_Pos:0)	16.30	16.29	16.31	18.00	16.36	16.25	16.43	18.00
	36 (RB_Pos:20)	16.36	16.35	16.35	18.00	16.35	16.57	16.33	18.00
	36 (RB_Pos:39)	16.28	16.35	16.26	18.00	16.44	16.41	16.40	18.00
	75 (RB_Pos:0)	16.30	16.34	16.35	18.00	16.48	16.43	16.38	18.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18650	18900	19150		18650	18900	19150	
10 MHz	1 (RB_Pos:0)	15.10	15.14	15.10	16.00	15.04	14.94	14.83	16.00
	1 (RB_Pos:25)	15.13	15.17	15.17	16.00	15.33	15.08	15.25	16.00
	1 (RB_Pos:49)	15.08	15.15	15.10	16.00	14.93	15.20	14.98	16.00
	25 (RB_Pos:0)	16.26	16.29	16.34	18.00	16.27	16.38	16.55	18.00
	25 (RB_Pos:12)	16.42	16.43	16.36	18.00	16.56	16.43	16.36	18.00
	25 (RB_Pos:25)	16.36	16.41	16.33	18.00	16.28	16.44	16.53	18.00
	50 (RB_Pos:0)	16.35	16.39	16.38	18.00	16.22	16.45	16.39	18.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18625	18900	19175		18625	18900	19175	
5 MHz	1 (RB_Pos:0)	15.10	15.05	15.05	16.00	15.14	15.03	15.08	16.00
	1 (RB_Pos:13)	15.22	15.20	15.16	16.00	15.26	15.22	15.00	16.00
	1 (RB_Pos:24)	15.10	15.09	15.05	16.00	15.10	15.07	14.93	16.00
	12 (RB_Pos:0)	16.26	16.30	16.32	18.00	16.34	16.24	16.43	18.00
	12 (RB_Pos:6)	16.41	16.36	16.36	18.00	16.52	16.53	16.56	18.00
	12 (RB_Pos:13)	16.37	16.37	16.29	18.00	16.29	16.52	16.36	18.00

	25 (RB_Pos:0)	16.34	16.37	16.33	18.00	16.46	16.29	16.60	18.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18615	18900	19185		18615	18900	19185	
3.0 MHz	1 (RB_Pos:0)	14.75	14.76	14.74	16.00	14.91	15.01	15.06	16.00
	1 (RB_Pos:8)	14.82	14.91	14.87	16.00	15.18	15.24	15.20	16.00
	1 (RB_Pos:14)	14.77	14.82	14.73	16.00	15.03	15.10	15.12	16.00
	8 (RB_Pos:0)	16.26	16.22	16.21	18.00	16.35	16.35	16.53	18.00
	8 (RB_Pos:3)	16.32	16.31	16.25	18.00	16.59	16.60	16.50	18.00
	8 (RB_Pos:7)	16.22	16.25	16.19	18.00	16.29	16.52	16.44	18.00
	15 (RB_Pos:0)	16.27	16.27	16.24	18.00	16.32	16.33	16.36	18.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18607	18900	19193		18607	18900	19193	
1.4 MHz	1 (RB_Pos:0)	14.90	14.90	14.87	16.00	14.87	15.09	14.94	16.00
	1 (RB_Pos:3)	14.96	14.94	14.91	16.00	15.10	15.27	15.12	16.00
	1 (RB_Pos:5)	14.88	14.91	14.85	16.00	15.02	15.06	14.92	16.00
	3 (RB_Pos:0)	16.32	16.28	16.25	18.00	16.47	16.42	16.57	18.00
	3 (RB_Pos:1)	16.34	16.34	16.31	18.00	16.58	16.30	16.35	18.00
	3 (RB_Pos:3)	16.29	16.30	16.32	18.00	16.50	16.53	16.50	18.00
	6 (RB_Pos:0)	16.33	16.30	16.27	18.00	16.22	16.42	16.48	18.00

8.6.17 Power Reduced Level 2&3 of LTE Band 2

FDD LTE Band 2									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18700	18900	19100		18700	18900	19100	
20 MHz	1 (RB_Pos:0)	14.11	14.18	14.09	15.00	14.25	14.26	14.17	15.00
	1 (RB_Pos:50)	14.28	**14.35**	14.26	15.00	14.43	14.37	14.23	15.00
	1 (RB_Pos:99)	14.19	14.23	14.11	15.00	14.23	14.18	14.01	15.00
	50 (RB_Pos:0)	15.44	15.43	15.63	17.00	15.34	15.39	15.52	17.00
	50 (RB_Pos:25)	15.56	15.57	15.59	17.00	15.65	15.45	15.56	17.00
	50 (RB_Pos:50)	15.48	15.59	15.52	17.00	15.42	15.66	15.60	17.00
	100 (RB_Pos:0)	15.45	15.54	15.56	17.00	15.49	15.51	15.71	17.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18675	18900	19125		18675	18900	19125	
15 MHz	1 (RB_Pos:0)	14.15	14.22	14.20	15.00	14.10	14.06	14.09	15.00
	1 (RB_Pos:38)	14.29	14.31	14.29	15.00	14.33	14.22	14.32	15.00
	1 (RB_Pos:74)	14.15	14.20	14.15	15.00	14.08	14.22	14.25	15.00

	36 (RB_Pos:0)	15.41	15.39	15.45	17.00	15.58	15.56	15.74	17.00
	36 (RB_Pos:20)	15.47	15.47	15.51	17.00	15.54	15.47	15.44	17.00
	36 (RB_Pos:39)	15.42	15.50	15.48	17.00	15.52	15.62	15.67	17.00
	75 (RB_Pos:0)	15.42	15.45	15.50	17.00	15.58	15.41	15.66	17.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18650	18900	19150		18650	18900	19150	
10 MHz	1 (RB_Pos:0)	14.23	14.24	14.20	15.00	14.07	14.31	14.08	15.00
	1 (RB_Pos:25)	14.22	14.29	14.33	15.00	14.15	14.42	14.24	15.00
	1 (RB_Pos:49)	14.17	14.24	14.25	15.00	14.34	14.33	14.20	15.00
	25 (RB_Pos:0)	15.37	15.35	15.50	17.00	15.52	15.35	15.57	17.00
	25 (RB_Pos:12)	15.52	15.54	15.57	17.00	15.65	15.50	15.71	17.00
	25 (RB_Pos:25)	15.46	15.55	15.51	17.00	15.34	15.59	15.67	17.00
	50 (RB_Pos:0)	15.45	15.49	15.51	17.00	15.44	15.54	15.47	17.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18625	18900	19175		18625	18900	19175	
5 MHz	1 (RB_Pos:0)	14.25	14.20	14.22	15.00	14.08	14.25	14.17	15.00
	1 (RB_Pos:13)	14.33	14.33	14.29	15.00	14.20	14.47	14.19	15.00
	1 (RB_Pos:24)	14.20	14.20	14.17	15.00	14.12	14.28	13.99	15.00
	12 (RB_Pos:0)	15.36	15.40	15.45	17.00	15.29	15.57	15.54	17.00
	12 (RB_Pos:6)	15.51	15.48	15.53	17.00	15.41	15.54	15.51	17.00
	12 (RB_Pos:13)	15.45	15.48	15.41	17.00	15.63	15.44	15.56	17.00
	25 (RB_Pos:0)	15.42	15.46	15.50	17.00	15.50	15.44	15.49	17.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18615	18900	19185		18615	18900	19185	
3.0 MHz	1 (RB_Pos:0)	13.89	14.00	13.91	15.00	13.99	14.21	14.05	15.00
	1 (RB_Pos:8)	13.94	14.02	14.01	15.00	14.25	14.41	14.20	15.00
	1 (RB_Pos:14)	13.91	13.92	13.88	15.00	14.21	14.34	14.21	15.00
	8 (RB_Pos:0)	15.42	15.38	15.36	17.00	15.50	15.58	15.51	17.00
	8 (RB_Pos:3)	15.46	15.44	15.46	17.00	15.53	15.42	15.69	17.00
	8 (RB_Pos:7)	15.39	15.38	15.33	17.00	15.40	15.74	15.59	17.00
	15 (RB_Pos:0)	15.37	15.36	15.38	17.00	15.37	15.65	15.68	17.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18607	18900	19193		18607	18900	19193	
1.4 MHz	1 (RB_Pos:0)	14.09	14.05	14.03	15.00	13.99	14.07	14.15	15.00
	1 (RB_Pos:3)	14.14	14.11	14.11	15.00	14.41	14.24	14.13	15.00
	1 (RB_Pos:5)	14.06	14.07	14.01	15.00	14.07	14.24	14.09	15.00
	3 (RB_Pos:0)	15.45	15.44	15.44	17.00	15.53	15.41	15.68	17.00

	3 (RB_Pos:1)	15.48	15.46	15.47	17.00	15.49	15.54	15.73	17.00
	3 (RB_Pos:3)	15.43	15.44	15.48	17.00	15.61	15.63	15.39	17.00
	6 (RB_Pos:0)	15.46	15.49	15.47	17.00	15.57	15.46	15.42	17.00

8.6.18 Power Reduced Level 4&7 of LTE Band 2

FDD LTE Band 2									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18700	18900	19100		18700	18900	19100	
20 MHz	1 (RB_Pos:0)	18.01	18.03	17.99	19.00	18.13	17.97	18.06	19.00
	1 (RB_Pos:50)	18.23	**18.26**	18.15	19.00	18.23	18.32	18.08	19.00
	1 (RB_Pos:99)	18.08	18.13	18.01	19.00	18.23	18.08	18.04	19.00
	50 (RB_Pos:0)	19.39	19.36	19.54	21.00	19.41	19.35	19.62	21.00
	50 (RB_Pos:25)	19.47	19.50	19.47	21.00	19.44	19.49	19.46	21.00
	50 (RB_Pos:50)	19.42	19.50	19.46	21.00	19.29	19.63	19.40	21.00
	100 (RB_Pos:0)	19.43	19.46	19.48	21.00	19.58	19.61	19.38	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18675	18900	19125		18675	18900	19125	
15 MHz	1 (RB_Pos:0)	18.06	18.10	18.10	19.00	18.09	17.90	17.89	19.00
	1 (RB_Pos:38)	18.18	18.26	18.14	19.00	18.25	18.12	18.16	19.00
	1 (RB_Pos:74)	18.05	18.14	18.03	19.00	18.14	18.21	17.88	19.00
	36 (RB_Pos:0)	19.29	19.32	19.38	21.00	19.40	19.35	19.44	21.00
	36 (RB_Pos:20)	19.38	19.38	19.42	21.00	19.59	19.50	19.47	21.00
	36 (RB_Pos:39)	19.33	19.41	19.35	21.00	19.47	19.53	19.54	21.00
	75 (RB_Pos:0)	19.34	19.37	19.40	21.00	19.32	19.33	19.40	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18650	18900	19150		18650	18900	19150	
10 MHz	1 (RB_Pos:0)	18.08	18.13	18.08	19.00	17.99	17.92	18.12	19.00
	1 (RB_Pos:25)	18.13	18.19	18.18	19.00	18.15	18.34	18.03	19.00
	1 (RB_Pos:49)	18.09	18.16	18.14	19.00	18.18	18.13	18.12	19.00
	25 (RB_Pos:0)	19.27	19.31	19.42	21.00	19.27	19.39	19.62	21.00
	25 (RB_Pos:12)	19.46	19.47	19.44	21.00	19.44	19.59	19.59	21.00
	25 (RB_Pos:25)	19.41	19.47	19.37	21.00	19.30	19.62	19.53	21.00
	50 (RB_Pos:0)	19.37	19.45	19.46	21.00	19.31	19.56	19.56	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18625	18900	19175		18625	18900	19175	
5 MHz	1 (RB_Pos:0)	18.14	18.09	18.07	19.00	18.08	18.05	18.02	19.00

	1 (RB_Pos:13)	18.20	18.22	18.16	19.00	18.35	18.39	18.11	19.00
	1 (RB_Pos:24)	18.11	18.08	18.07	19.00	17.98	18.23	17.96	19.00
	12 (RB_Pos:0)	19.29	19.30	19.36	21.00	19.24	19.28	19.39	21.00
	12 (RB_Pos:6)	19.40	19.41	19.40	21.00	19.59	19.55	19.41	21.00
	12 (RB_Pos:13)	19.38	19.39	19.33	21.00	19.46	19.54	19.49	21.00
	25 (RB_Pos:0)	19.40	19.37	19.39	21.00	19.34	19.31	19.56	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18615	18900	19185		18615	18900	19185	
3.0 MHz	1 (RB_Pos:0)	17.75	17.79	17.78	19.00	18.02	17.97	18.12	19.00
	1 (RB_Pos:8)	17.85	17.90	17.80	19.00	18.08	18.13	18.00	19.00
	1 (RB_Pos:14)	17.78	17.83	17.78	19.00	17.96	18.15	17.95	19.00
	8 (RB_Pos:0)	19.33	19.26	19.26	21.00	19.51	19.50	19.48	21.00
	8 (RB_Pos:3)	19.33	19.34	19.32	21.00	19.62	19.36	19.39	21.00
	8 (RB_Pos:7)	19.23	19.27	19.24	21.00	19.32	19.61	19.39	21.00
	15 (RB_Pos:0)	19.26	19.28	19.27	21.00	19.57	19.47	19.47	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18607	18900	19193		18607	18900	19193	
1.4 MHz	1 (RB_Pos:0)	17.93	17.94	17.82	19.00	18.05	17.98	17.89	19.00
	1 (RB_Pos:3)	17.98	17.99	17.93	19.00	18.11	18.20	18.09	19.00
	1 (RB_Pos:5)	17.91	17.94	17.86	19.00	18.19	18.23	18.05	19.00
	3 (RB_Pos:0)	19.32	19.33	19.32	21.00	19.52	19.34	19.51	21.00
	3 (RB_Pos:1)	19.34	19.33	19.35	21.00	19.61	19.58	19.42	21.00
	3 (RB_Pos:3)	19.33	19.33	19.35	21.00	19.29	19.40	19.42	21.00
	6 (RB_Pos:0)	19.33	19.33	19.31	21.00	19.57	19.35	19.54	21.00

8.6.19 Power Reduced Level 5&6&8&9 of LTE Band 2

FDD LTE Band 2									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18700	18900	19100		18700	18900	19100	
20 MHz	1 (RB_Pos:0)	17.06	17.13	17.03	18.00	17.11	17.13	17.03	18.00
	1 (RB_Pos:50)	17.24	**17.25**	17.20	18.00	17.10	17.40	17.26	18.00
	1 (RB_Pos:99)	17.14	17.15	17.03	18.00	17.15	17.12	17.08	18.00
	50 (RB_Pos:0)	18.38	18.31	18.51	20.00	18.31	18.19	18.52	20.00
	50 (RB_Pos:25)	18.46	18.47	18.49	20.00	18.46	18.56	18.54	20.00
	50 (RB_Pos:50)	18.40	18.49	18.42	20.00	18.45	18.52	18.34	20.00
	100 (RB_Pos:0)	18.39	18.41	18.48	20.00	18.39	18.34	18.63	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up	16QAM			Tune up

	Channel	18675	18900	19125	limit (dBm)	18675	18900	19125	limit (dBm)
15 MHz	1 (RB_Pos:0)	17.10	17.16	17.11	18.00	17.02	17.26	17.15	18.00
	1 (RB_Pos:38)	17.19	17.25	17.22	18.00	17.13	17.18	17.15	18.00
	1 (RB_Pos:74)	17.10	17.14	17.10	18.00	17.00	17.04	17.06	18.00
	36 (RB_Pos:0)	18.28	18.27	18.32	20.00	18.30	18.32	18.45	20.00
	36 (RB_Pos:20)	18.38	18.36	18.39	20.00	18.43	18.51	18.45	20.00
	36 (RB_Pos:39)	18.30	18.37	18.32	20.00	18.49	18.47	18.54	20.00
	75 (RB_Pos:0)	18.34	18.35	18.38	20.00	18.44	18.49	18.36	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18650	18900	19150		18650	18900	19150	
10 MHz	1 (RB_Pos:0)	17.14	17.18	17.15	18.00	16.96	17.04	17.09	18.00
	1 (RB_Pos:25)	17.19	17.22	17.25	18.00	17.20	17.31	17.24	18.00
	1 (RB_Pos:49)	17.14	17.22	17.19	18.00	17.01	17.09	17.08	18.00
	25 (RB_Pos:0)	18.27	18.28	18.40	20.00	18.51	18.38	18.59	20.00
	25 (RB_Pos:12)	18.45	18.42	18.46	20.00	18.51	18.59	18.38	20.00
	25 (RB_Pos:25)	18.37	18.44	18.39	20.00	18.38	18.35	18.43	20.00
	50 (RB_Pos:0)	18.34	18.37	18.44	20.00	18.26	18.43	18.39	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18625	18900	19175		18625	18900	19175	
5 MHz	1 (RB_Pos:0)	17.13	17.12	17.14	18.00	17.05	17.18	17.14	18.00
	1 (RB_Pos:13)	17.26	17.24	17.20	18.00	17.11	17.32	17.23	18.00
	1 (RB_Pos:24)	17.14	17.17	17.11	18.00	17.24	17.17	17.11	18.00
	12 (RB_Pos:0)	18.31	18.30	18.35	20.00	18.52	18.37	18.55	20.00
	12 (RB_Pos:6)	18.38	18.41	18.39	20.00	18.50	18.56	18.47	20.00
	12 (RB_Pos:13)	18.36	18.38	18.36	20.00	18.34	18.35	18.52	20.00
	25 (RB_Pos:0)	18.36	18.35	18.36	20.00	18.30	18.55	18.58	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18615	18900	19185		18615	18900	19185	
3.0 MHz	1 (RB_Pos:0)	16.78	16.89	16.84	18.00	17.20	17.14	17.10	18.00
	1 (RB_Pos:8)	16.89	16.95	16.90	18.00	17.31	17.18	17.08	18.00
	1 (RB_Pos:14)	16.79	16.84	16.81	18.00	17.04	17.07	17.11	18.00
	8 (RB_Pos:0)	18.30	18.25	18.27	20.00	18.52	18.42	18.43	20.00
	8 (RB_Pos:3)	18.35	18.30	18.31	20.00	18.54	18.61	18.49	20.00
	8 (RB_Pos:7)	18.23	18.25	18.22	20.00	18.32	18.41	18.55	20.00
	15 (RB_Pos:0)	18.24	18.23	18.26	20.00	18.40	18.53	18.48	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit	16QAM			Tune up limit
	Channel	18607	18900	19193		18607	18900	19193	

					(dBm)				(dBm)
1.4 MHz	1 (RB_Pos:0)	16.95	16.94	16.93	18.00	17.12	17.05	17.10	18.00
	1 (RB_Pos:3)	17.00	17.04	16.98	18.00	17.32	17.14	17.21	18.00
	1 (RB_Pos:5)	16.95	16.97	16.87	18.00	17.16	17.00	17.10	18.00
	3 (RB_Pos:0)	18.31	18.31	18.29	20.00	18.53	18.35	18.45	20.00
	3 (RB_Pos:1)	18.33	18.36	18.32	20.00	18.36	18.55	18.60	20.00
	3 (RB_Pos:3)	18.30	18.35	18.33	20.00	18.26	18.43	18.41	20.00
	6 (RB_Pos:0)	18.33	18.31	18.30	20.00	18.38	18.46	18.46	20.00

8.6.20 Power Reduced Level 1 of LTE Band 4

FDD LTE Band 4									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20050	20175	20300		20050	20175	20300	
20 MHz	1 (RB_Pos:0)	17.65	17.70	17.60	18.00	17.72	17.61	17.73	18.00
	1 (RB_Pos:50)	17.80	**17.87**	17.81	18.00	17.89	17.90	17.77	18.00
	1 (RB_Pos:99)	17.78	17.78	17.70	18.00	17.88	17.73	17.67	18.00
	50 (RB_Pos:0)	18.93	18.92	19.04	20.50	19.01	19.03	19.09	20.50
	50 (RB_Pos:25)	19.07	19.04	19.08	20.50	19.07	19.19	18.96	20.50
	50 (RB_Pos:50)	19.09	19.02	18.97	20.50	18.94	19.01	18.84	20.50
	100 (RB_Pos:0)	19.02	18.95	19.00	20.50	18.94	18.91	18.96	20.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20025	20175	20325		20025	20175	20325	
15 MHz	1 (RB_Pos:0)	17.69	17.74	17.75	18.00	17.60	17.70	17.74	18.00
	1 (RB_Pos:38)	17.82	17.84	17.81	18.00	17.81	17.87	17.80	18.00
	1 (RB_Pos:74)	17.76	17.81	17.71	18.00	17.80	17.83	17.61	18.00
	36 (RB_Pos:0)	18.92	18.88	18.97	20.50	18.89	18.83	19.18	20.50
	36 (RB_Pos:20)	18.95	18.95	18.97	20.50	18.94	19.02	19.06	20.50
	36 (RB_Pos:39)	18.99	18.95	18.89	20.50	19.09	18.91	19.05	20.50
	75 (RB_Pos:0)	18.98	18.93	18.97	20.50	19.11	18.97	18.91	20.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20000	20175	20350		20000	20175	20350	
10 MHz	1 (RB_Pos:0)	17.75	17.82	17.74	18.00	17.72	17.69	17.67	18.00
	1 (RB_Pos:25)	17.77	17.81	17.76	18.00	17.74	17.73	17.72	18.00
	1 (RB_Pos:49)	17.75	17.75	17.76	18.00	17.90	17.89	17.72	18.00
	25 (RB_Pos:0)	18.89	18.92	18.90	20.50	18.94	19.06	18.99	20.50
	25 (RB_Pos:12)	19.03	19.04	19.00	20.50	19.05	18.99	19.04	20.50
	25 (RB_Pos:25)	19.02	19.02	18.92	20.50	19.10	19.17	19.02	20.50
	50 (RB_Pos:0)	18.99	19.00	18.94	20.50	19.05	18.94	19.01	20.50

Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19975	20175	20375		19975	20175	20375	
5 MHz	1 (RB_Pos:0)	17.76	17.66	17.64	18.00	17.57	17.64	17.49	18.00
	1 (RB_Pos:13)	17.86	17.84	17.78	18.00	17.75	17.74	17.80	18.00
	1 (RB_Pos:24)	17.76	17.72	17.69	18.00	17.78	17.82	17.75	18.00
	12 (RB_Pos:0)	18.91	18.89	18.89	20.50	18.80	18.83	19.15	20.50
	12 (RB_Pos:6)	19.00	19.03	18.98	20.50	19.16	18.90	19.17	20.50
	12 (RB_Pos:13)	18.92	18.93	18.91	20.50	19.14	18.88	18.93	20.50
	25 (RB_Pos:0)	18.94	18.97	18.95	20.50	19.08	18.83	19.00	20.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19965	20175	20385		19965	20175	20385	
3.0 MHz	1 (RB_Pos:0)	17.45	17.50	17.38	18.00	17.56	17.84	17.73	18.00
	1 (RB_Pos:8)	17.52	17.54	17.50	18.00	17.91	17.77	17.69	18.00
	1 (RB_Pos:14)	17.42	17.46	17.41	18.00	17.66	17.66	17.72	18.00
	8 (RB_Pos:0)	18.89	18.82	18.85	20.50	19.08	19.00	19.13	20.50
	8 (RB_Pos:3)	18.93	18.93	18.88	20.50	18.94	19.11	18.97	20.50
	8 (RB_Pos:7)	18.84	18.84	18.81	20.50	19.01	18.93	19.06	20.50
	15 (RB_Pos:0)	18.85	18.89	18.85	20.50	19.07	18.99	19.06	20.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19957	20175	20393		19957	20175	20393	
1.4 MHz	1 (RB_Pos:0)	17.56	17.55	17.54	18.00	17.74	17.84	17.62	18.00
	1 (RB_Pos:3)	17.66	17.62	17.59	18.00	17.67	17.93	17.75	18.00
	1 (RB_Pos:5)	17.60	17.57	17.56	18.00	17.73	17.83	17.63	18.00
	3 (RB_Pos:0)	18.91	18.86	18.89	20.50	18.93	18.86	19.11	20.50
	3 (RB_Pos:1)	18.93	18.91	18.91	20.50	19.02	18.98	18.97	20.50
	3 (RB_Pos:3)	18.93	18.90	18.92	20.50	18.97	19.08	18.92	20.50
	6 (RB_Pos:0)	18.99	18.92	18.89	20.50	19.01	19.04	19.01	20.50

8.6.21 Power Reduced Level 2&3 of LTE Band 4

FDD LTE Band 4									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20050	20175	20300		20050	20175	20300	
20 MHz	1 (RB_Pos:0)	16.73	16.75	16.66	17.00	16.52	16.70	16.66	17.00
	1 (RB_Pos:50)	16.87	**16.93**	16.89	17.00	16.72	16.85	16.84	17.00
	1 (RB_Pos:99)	16.80	16.83	16.70	17.00	16.79	16.75	16.69	17.00
	50 (RB_Pos:0)	18.01	17.99	18.09	19.50	17.84	17.98	18.09	19.50

	50 (RB_Pos:25)	18.11	18.10	18.12	19.50	17.94	18.03	17.99	19.50
	50 (RB_Pos:50)	18.13	18.08	18.02	19.50	18.05	17.93	18.00	19.50
	100 (RB_Pos:0)	18.02	18.00	18.01	19.50	17.95	17.98	18.01	19.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20025	20175	20325		20025	20175	20325	
15 MHz	1 (RB_Pos:0)	16.76	16.83	16.78	17.00	16.55	16.57	16.59	17.00
	1 (RB_Pos:38)	16.86	16.91	16.88	17.00	16.79	16.88	16.79	17.00
	1 (RB_Pos:74)	16.81	16.79	16.78	17.00	16.61	16.59	16.61	17.00
	36 (RB_Pos:0)	17.97	17.94	18.02	19.50	17.87	17.90	18.02	19.50
	36 (RB_Pos:20)	18.02	18.00	18.05	19.50	18.09	17.97	17.90	19.50
	36 (RB_Pos:39)	18.02	18.02	17.96	19.50	18.09	17.99	17.81	19.50
	75 (RB_Pos:0)	18.01	18.01	18.04	19.50	17.79	17.91	17.95	19.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20000	20175	20350		20000	20175	20350	
10 MHz	1 (RB_Pos:0)	16.85	16.88	16.83	17.00	16.65	16.55	16.61	17.00
	1 (RB_Pos:25)	16.85	16.90	16.91	17.00	16.71	16.85	16.85	17.00
	1 (RB_Pos:49)	16.82	16.84	16.88	17.00	16.62	16.75	16.60	17.00
	25 (RB_Pos:0)	18.00	17.96	18.05	19.50	17.98	17.86	17.98	19.50
	25 (RB_Pos:12)	18.09	18.05	18.07	19.50	17.99	18.04	17.87	19.50
	25 (RB_Pos:25)	18.08	18.01	17.98	19.50	17.97	17.90	17.79	19.50
	50 (RB_Pos:0)	18.06	18.00	18.03	19.50	17.77	17.86	17.92	19.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19975	20175	20375		19975	20175	20375	
5 MHz	1 (RB_Pos:0)	16.84	16.82	16.70	17.00	16.51	16.69	16.50	17.00
	1 (RB_Pos:13)	16.92	16.91	16.87	17.00	16.72	16.78	16.83	17.00
	1 (RB_Pos:24)	16.84	16.82	16.76	17.00	16.73	16.64	16.51	17.00
	12 (RB_Pos:0)	17.97	17.93	17.97	19.50	17.89	17.83	17.91	19.50
	12 (RB_Pos:6)	18.04	18.06	18.04	19.50	18.03	18.04	18.06	19.50
	12 (RB_Pos:13)	18.01	18.02	17.96	19.50	17.92	17.99	17.91	19.50
	25 (RB_Pos:0)	18.03	18.04	18.03	19.50	17.93	17.93	17.89	19.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19965	20175	20385		19965	20175	20385	
3.0 MHz	1 (RB_Pos:0)	16.51	16.51	16.48	17.00	16.73	16.52	16.53	17.00
	1 (RB_Pos:8)	16.59	16.61	16.58	17.00	16.85	16.87	16.85	17.00
	1 (RB_Pos:14)	16.50	16.54	16.50	17.00	16.77	16.68	16.54	17.00
	8 (RB_Pos:0)	17.92	17.93	17.93	19.50	17.78	17.99	17.85	19.50
	8 (RB_Pos:3)	17.98	17.96	17.96	19.50	18.03	17.93	18.01	19.50

	8 (RB_Pos:7)	17.87	17.91	17.88	19.50	18.12	17.83	17.83	19.50
	15 (RB_Pos:0)	17.92	17.92	17.91	19.50	17.77	17.99	17.91	19.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19957	20175	20393		19957	20175	20393	
1.4 MHz	1 (RB_Pos:0)	16.63	16.63	16.58	17.00	16.71	16.65	16.49	17.00
	1 (RB_Pos:3)	16.71	16.67	16.67	17.00	16.84	16.72	16.83	17.00
	1 (RB_Pos:5)	16.66	16.64	16.56	17.00	16.71	16.65	16.54	17.00
	3 (RB_Pos:0)	17.99	17.90	17.93	19.50	17.84	17.95	18.03	19.50
	3 (RB_Pos:1)	17.98	17.96	17.98	19.50	17.94	17.98	17.99	19.50
	3 (RB_Pos:3)	17.97	17.94	17.92	19.50	17.90	17.96	17.89	19.50
	6 (RB_Pos:0)	18.00	17.96	17.95	19.50	17.77	17.79	17.89	19.50

8.6.22 Power Reduced Level 4 of LTE Band 4

FDD LTE Band 4									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20050	20175	20300		20050	20175	20300	
20 MHz	1 (RB_Pos:0)	19.13	19.17	19.08	19.50	18.96	21.65	18.86	19.50
	1 (RB_Pos:50)	19.29	**19.35**	19.29	19.50	19.20	19.33	19.08	19.50
	1 (RB_Pos:99)	19.21	19.26	19.14	19.50	18.99	19.26	18.91	19.50
	50 (RB_Pos:0)	20.49	20.50	20.57	22.00	20.28	20.39	20.44	22.00
	50 (RB_Pos:25)	20.63	20.55	20.60	22.00	20.44	20.46	20.41	22.00
	50 (RB_Pos:50)	20.62	20.55	20.50	22.00	20.59	20.47	20.33	22.00
	100 (RB_Pos:0)	20.54	20.47	20.51	22.00	20.49	20.23	20.28	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20025	20175	20325		20025	20175	20325	
15 MHz	1 (RB_Pos:0)	19.19	19.21	19.20	19.50	18.90	21.60	18.98	19.50
	1 (RB_Pos:38)	19.34	19.34	19.29	19.50	19.25	19.28	19.11	19.50
	1 (RB_Pos:74)	19.25	19.23	19.20	19.50	19.05	19.22	18.97	19.50
	36 (RB_Pos:0)	20.47	20.45	20.53	22.00	20.24	20.30	20.49	22.00
	36 (RB_Pos:20)	20.50	20.52	20.54	22.00	20.40	20.36	20.42	22.00
	36 (RB_Pos:39)	20.55	20.55	20.43	22.00	20.62	20.51	20.34	22.00
	75 (RB_Pos:0)	20.52	20.51	20.55	22.00	20.40	20.47	20.36	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20000	20175	20350		20000	20175	20350	
10 MHz	1 (RB_Pos:0)	19.21	19.21	19.22	19.50	19.12	21.73	18.92	19.50
	1 (RB_Pos:25)	19.26	19.32	19.27	19.50	19.20	19.30	19.25	19.50

	1 (RB_Pos:49)	19.25	19.28	19.23	19.50	18.98	19.21	18.93	19.50
	25 (RB_Pos:0)	20.44	20.43	20.46	22.00	20.43	20.48	20.54	22.00
	25 (RB_Pos:12)	20.58	20.56	20.52	22.00	20.61	20.37	20.35	22.00
	25 (RB_Pos:25)	20.55	20.47	20.50	22.00	20.56	20.40	20.34	22.00
	50 (RB_Pos:0)	20.57	20.51	20.50	22.00	20.50	20.40	20.37	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19975	20175	20375		19975	20175	20375	
5 MHz	1 (RB_Pos:0)	19.23	19.20	19.14	19.50	19.01	21.72	18.90	19.50
	1 (RB_Pos:13)	19.30	19.35	19.25	19.50	19.08	19.27	19.16	19.50
	1 (RB_Pos:24)	19.27	19.19	19.16	19.50	19.04	19.24	18.98	19.50
	12 (RB_Pos:0)	20.45	20.45	20.40	22.00	20.33	20.37	20.49	22.00
	12 (RB_Pos:6)	20.49	20.53	20.53	22.00	20.59	20.47	20.35	22.00
	12 (RB_Pos:13)	20.46	20.44	20.46	22.00	20.46	20.33	20.34	22.00
	25 (RB_Pos:0)	20.48	20.48	20.48	22.00	20.48	20.46	20.34	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19965	20175	20385		19965	20175	20385	
3.0 MHz	1 (RB_Pos:0)	18.89	18.94	18.88	19.50	18.95	21.57	18.88	19.50
	1 (RB_Pos:8)	19.01	19.02	18.94	19.50	19.13	19.25	19.21	19.50
	1 (RB_Pos:14)	18.88	18.91	18.86	19.50	19.04	19.05	18.91	19.50
	8 (RB_Pos:0)	20.44	20.40	20.37	22.00	20.26	20.39	20.48	22.00
	8 (RB_Pos:3)	20.48	20.45	20.43	22.00	20.49	20.52	20.45	22.00
	8 (RB_Pos:7)	20.34	20.39	20.32	22.00	20.51	20.50	20.46	22.00
	15 (RB_Pos:0)	20.37	20.41	20.40	22.00	20.53	20.31	20.46	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19957	20175	20393		19957	20175	20393	
1.4 MHz	1 (RB_Pos:0)	19.08	19.06	18.96	19.50	19.10	21.71	18.87	19.50
	1 (RB_Pos:3)	19.10	19.09	19.05	19.50	19.04	19.25	19.25	19.50
	1 (RB_Pos:5)	19.07	19.06	18.97	19.50	19.15	19.01	18.95	19.50
	3 (RB_Pos:0)	20.47	20.45	20.44	22.00	20.29	20.36	20.40	22.00
	3 (RB_Pos:1)	20.48	20.46	20.43	22.00	20.58	20.37	20.40	22.00
	3 (RB_Pos:3)	20.44	20.43	20.47	22.00	20.61	20.39	20.38	22.00
	6 (RB_Pos:0)	20.49	20.45	20.42	22.00	20.47	20.26	20.30	22.00

8.6.23 Power Reduced Level 5&6&7 of LTE Band 4

FDD LTE Band 4									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20050	20175	20300		20050	20175	20300	
20 MHz	1 (RB_Pos:0)	18.12	18.18	18.08	18.50	18.11	18.08	17.88	18.50
	1 (RB_Pos:50)	18.32	**18.37**	18.30	18.50	18.19	18.24	18.27	18.50
	1 (RB_Pos:99)	18.19	18.24	18.10	18.50	18.07	18.13	17.96	18.50
	50 (RB_Pos:0)	19.49	19.48	19.57	21.00	19.24	19.32	19.48	21.00
	50 (RB_Pos:25)	19.61	19.55	19.58	21.00	19.57	19.46	19.58	21.00
	50 (RB_Pos:50)	19.60	19.55	19.47	21.00	19.41	19.49	19.40	21.00
	100 (RB_Pos:0)	19.53	19.49	19.49	21.00	19.36	19.26	19.47	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20025	20175	20325		20025	20175	20325	
15 MHz	1 (RB_Pos:0)	18.20	18.23	18.20	18.50	18.01	17.96	17.89	18.50
	1 (RB_Pos:38)	18.29	18.30	18.32	18.50	18.27	18.14	18.23	18.50
	1 (RB_Pos:74)	18.19	18.23	18.20	18.50	17.96	18.06	17.99	18.50
	36 (RB_Pos:0)	19.47	19.46	19.49	21.00	19.30	19.29	19.32	21.00
	36 (RB_Pos:20)	19.54	19.48	19.53	21.00	19.50	19.41	19.49	21.00
	36 (RB_Pos:39)	19.50	19.51	19.45	21.00	19.52	19.48	19.39	21.00
	75 (RB_Pos:0)	19.48	19.48	19.51	21.00	19.49	19.28	19.34	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20000	20175	20350		20000	20175	20350	
10 MHz	1 (RB_Pos:0)	18.22	18.25	18.24	18.50	17.96	17.99	17.96	18.50
	1 (RB_Pos:25)	18.29	18.32	18.31	18.50	18.27	18.33	18.24	18.50
	1 (RB_Pos:49)	18.24	18.25	18.26	18.50	18.11	18.18	17.92	18.50
	25 (RB_Pos:0)	19.46	19.42	19.48	21.00	19.34	19.44	19.51	21.00
	25 (RB_Pos:12)	19.56	19.55	19.52	21.00	19.54	19.53	19.54	21.00
	25 (RB_Pos:25)	19.57	19.49	19.47	21.00	19.37	19.32	19.36	21.00
	50 (RB_Pos:0)	19.52	19.53	19.51	21.00	19.32	19.47	19.26	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19975	20175	20375		19975	20175	20375	
5 MHz	1 (RB_Pos:0)	18.25	18.21	18.13	18.50	18.02	18.00	17.95	18.50
	1 (RB_Pos:13)	18.36	18.35	18.24	18.50	18.10	18.20	18.24	18.50
	1 (RB_Pos:24)	18.23	18.21	18.16	18.50	18.15	17.99	17.95	18.50
	12 (RB_Pos:0)	19.44	19.43	19.43	21.00	19.29	19.33	19.47	21.00
	12 (RB_Pos:6)	19.50	19.53	19.50	21.00	19.57	19.31	19.33	21.00
	12 (RB_Pos:13)	19.46	19.47	19.47	21.00	19.35	19.52	19.30	21.00

	25 (RB_Pos:0)	19.52	19.48	19.48	21.00	19.48	19.48	19.41	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19965	20175	20385		19965	20175	20385	
3.0 MHz	1 (RB_Pos:0)	17.92	17.96	17.86	18.50	18.08	18.13	17.86	18.50
	1 (RB_Pos:8)	17.96	18.02	18.00	18.50	18.19	18.22	18.30	18.50
	1 (RB_Pos:14)	17.88	17.94	17.83	18.50	18.00	18.18	17.91	18.50
	8 (RB_Pos:0)	19.41	19.38	19.39	21.00	19.39	19.32	19.34	21.00
	8 (RB_Pos:3)	19.46	19.49	19.45	21.00	19.43	19.32	19.42	21.00
	8 (RB_Pos:7)	19.36	19.38	19.34	21.00	19.45	19.55	19.26	21.00
	15 (RB_Pos:0)	19.40	19.36	19.37	21.00	19.44	19.37	19.42	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19957	20175	20393		19957	20175	20393	
1.4 MHz	1 (RB_Pos:0)	18.02	18.04	18.02	18.50	17.94	18.05	17.86	18.50
	1 (RB_Pos:3)	18.13	18.10	18.07	18.50	18.13	18.33	18.28	18.50
	1 (RB_Pos:5)	18.07	18.03	17.97	18.50	17.94	18.16	18.10	18.50
	3 (RB_Pos:0)	19.43	19.44	19.41	21.00	19.24	19.41	19.56	21.00
	3 (RB_Pos:1)	19.45	19.47	19.46	21.00	19.47	19.54	19.45	21.00
	3 (RB_Pos:3)	19.45	19.42	19.44	21.00	19.37	19.46	19.34	21.00
	6 (RB_Pos:0)	19.49	19.48	19.41	21.00	19.53	19.24	19.43	21.00

8.6.24 Power Reduced Level 8&9 of LTE Band 4

FDD LTE Band 4									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20050	20175	20300		20050	20175	20300	
20 MHz	1 (RB_Pos:0)	17.42	17.49	17.40	18.00	17.36	17.46	17.17	18.00
	1 (RB_Pos:50)	17.62	**17.66**	17.64	18.00	17.58	17.56	17.41	18.00
	1 (RB_Pos:99)	17.53	17.63	17.50	18.00	17.53	17.46	17.30	18.00
	50 (RB_Pos:0)	18.73	18.70	18.87	20.00	18.67	18.59	18.69	20.00
	50 (RB_Pos:25)	18.86	18.88	18.86	20.00	18.62	18.65	18.67	20.00
	50 (RB_Pos:50)	18.88	18.81	18.80	20.00	18.70	18.69	18.63	20.00
	100 (RB_Pos:0)	18.80	18.73	18.81	20.00	18.60	18.49	18.76	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20025	20175	20325		20025	20175	20325	
15 MHz	1 (RB_Pos:0)	17.49	17.60	17.56	18.00	17.36	17.36	17.28	18.00
	1 (RB_Pos:38)	17.61	17.65	17.65	18.00	17.58	17.59	17.55	18.00
	1 (RB_Pos:74)	17.58	17.61	17.56	18.00	17.45	17.44	17.31	18.00

	36 (RB_Pos:0)	18.71	18.72	18.83	20.00	18.68	18.48	18.81	20.00
	36 (RB_Pos:20)	18.72	18.82	18.80	20.00	18.66	18.88	18.71	20.00
	36 (RB_Pos:39)	18.78	18.78	18.75	20.00	18.66	18.58	18.55	20.00
	75 (RB_Pos:0)	18.74	18.78	18.83	20.00	18.59	18.55	18.61	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20000	20175	20350		20000	20175	20350	
10 MHz	1 (RB_Pos:0)	17.53	17.62	17.58	18.00	17.19	17.38	17.37	18.00
	1 (RB_Pos:25)	17.57	17.66	17.68	18.00	17.57	17.60	17.46	18.00
	1 (RB_Pos:49)	17.56	17.59	17.60	18.00	17.31	17.60	17.34	18.00
	25 (RB_Pos:0)	18.69	18.70	18.81	20.00	18.66	18.46	18.78	20.00
	25 (RB_Pos:12)	18.86	18.85	18.83	20.00	18.79	18.74	18.73	20.00
	25 (RB_Pos:25)	18.75	18.81	18.77	20.00	18.66	18.75	18.62	20.00
	50 (RB_Pos:0)	18.81	18.79	18.79	20.00	18.63	18.73	18.74	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19975	20175	20375		19975	20175	20375	
5 MHz	1 (RB_Pos:0)	17.55	17.51	17.51	18.00	17.34	17.29	17.22	18.00
	1 (RB_Pos:13)	17.66	17.66	17.64	18.00	17.49	17.56	17.47	18.00
	1 (RB_Pos:24)	17.55	17.60	17.54	18.00	17.53	17.52	17.48	18.00
	12 (RB_Pos:0)	18.69	18.71	18.71	20.00	18.48	18.45	18.70	20.00
	12 (RB_Pos:6)	18.76	18.82	18.82	20.00	18.86	18.73	18.81	20.00
	12 (RB_Pos:13)	18.74	18.76	18.79	20.00	18.72	18.66	18.72	20.00
	25 (RB_Pos:0)	18.76	18.78	18.81	20.00	18.71	18.65	18.59	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19965	20175	20385		19965	20175	20385	
3.0 MHz	1 (RB_Pos:0)	17.19	17.26	17.23	18.00	17.22	17.32	17.35	18.00
	1 (RB_Pos:8)	17.25	17.41	17.41	18.00	17.49	17.54	17.39	18.00
	1 (RB_Pos:14)	17.20	17.26	17.29	18.00	17.49	17.40	17.47	18.00
	8 (RB_Pos:0)	18.67	18.65	18.68	20.00	18.56	18.68	18.68	20.00
	8 (RB_Pos:3)	18.72	18.76	18.74	20.00	18.78	18.86	18.61	20.00
	8 (RB_Pos:7)	18.59	18.66	18.66	20.00	18.76	18.74	18.64	20.00
	15 (RB_Pos:0)	18.64	18.65	18.69	20.00	18.73	18.55	18.67	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19957	20175	20393		19957	20175	20393	
1.4 MHz	1 (RB_Pos:0)	17.43	17.37	17.35	18.00	17.35	17.33	17.36	18.00
	1 (RB_Pos:3)	17.42	17.47	17.43	18.00	17.47	17.41	17.58	18.00
	1 (RB_Pos:5)	17.36	17.39	17.37	18.00	17.28	17.47	17.41	18.00
	3 (RB_Pos:0)	18.71	18.70	18.70	20.00	18.62	18.47	18.64	20.00

	3 (RB_Pos:1)	18.73	18.74	18.75	20.00	18.86	18.66	18.64	20.00
	3 (RB_Pos:3)	18.71	18.72	18.75	20.00	18.88	18.57	18.77	20.00
	6 (RB_Pos:0)	18.74	18.75	18.76	20.00	18.56	18.57	18.65	20.00

8.6.25 Power Reduced Level 2&3&5&6&8&9 of LTE Band 5

FDD LTE Band 5									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20450	20525	20600		20450	20525	20600	
10 MHz	1 (RB_Pos:0)	20.31	**20.39**	20.28	21.30	20.12	20.20	20.20	21.30
	1 (RB_Pos:25)	20.36	**20.39**	20.34	21.30	20.28	20.26	20.26	21.30
	1 (RB_Pos:49)	20.27	20.34	20.33	21.30	20.02	20.10	20.28	21.30
	25 (RB_Pos:0)	21.58	21.50	21.60	23.30	20.65	20.60	20.72	21.30
	25 (RB_Pos:12)	21.67	21.62	21.64	23.30	20.76	20.73	20.75	21.30
	25 (RB_Pos:25)	21.62	21.59	21.55	23.30	20.65	20.73	20.71	21.30
	50 (RB_Pos:0)	21.60	21.58	21.59	23.30	20.64	20.62	20.64	21.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20425	20525	20625		20425	20525	20625	
5 MHz	1 (RB_Pos:0)	20.32	20.28	20.25	21.30	20.11	20.29	20.06	21.30
	1 (RB_Pos:13)	20.50	20.46	20.36	21.30	20.25	20.27	20.10	21.30
	1 (RB_Pos:24)	20.36	20.32	20.25	21.30	20.15	20.31	20.18	21.30
	12 (RB_Pos:0)	21.52	21.48	21.57	23.30	20.62	20.67	20.65	21.30
	12 (RB_Pos:6)	21.68	21.62	21.58	23.30	20.78	20.78	20.70	21.30
	12 (RB_Pos:13)	21.58	21.57	21.55	23.30	20.68	20.78	20.61	21.30
	25 (RB_Pos:0)	21.61	21.60	21.59	23.30	20.69	20.71	20.60	21.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20415	20525	20635		20415	20525	20635	
3.0 MHz	1 (RB_Pos:0)	19.99	20.03	19.96	21.30	20.25	20.15	20.03	21.30
	1 (RB_Pos:8)	20.14	20.14	20.07	21.30	20.12	20.36	20.21	21.30
	1 (RB_Pos:14)	20.00	19.99	19.93	21.30	20.24	20.34	20.29	21.30
	8 (RB_Pos:0)	21.57	21.54	21.48	23.30	20.67	20.61	20.51	21.30
	8 (RB_Pos:3)	21.62	21.55	21.54	23.30	20.69	20.67	20.59	21.30
	8 (RB_Pos:7)	21.51	21.48	21.45	23.30	20.63	20.55	20.51	21.30
	15 (RB_Pos:0)	21.52	21.47	21.49	23.30	20.55	20.46	20.45	21.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20407	20525	20643		20407	20525	20643	
1.4 MHz	1 (RB_Pos:0)	20.15	20.17	20.08	21.30	20.27	20.34	20.08	21.30

	1 (RB_Pos:3)	20.24	20.22	20.15	21.30	20.22	20.39	20.20	21.30
	1 (RB_Pos:5)	20.22	20.15	20.10	21.30	20.15	20.34	20.20	21.30
	3 (RB_Pos:0)	21.60	21.56	21.52	23.30	21.67	21.79	21.73	23.30
	3 (RB_Pos:1)	21.64	21.58	21.51	23.30	21.67	21.77	21.74	23.30
	3 (RB_Pos:3)	21.59	21.55	21.57	23.30	21.70	21.78	21.73	23.30
	6 (RB_Pos:0)	21.64	21.59	21.57	23.30	20.81	20.54	20.75	21.30

8.6.26 Power Reduced Level 1 of LTE Band 7

FDD LTE Band 7									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20850	21100	21350		20850	21100	21350	
20 MHz	1 (RB_Pos:0)	13.80	13.88	13.75	15.30	13.57	13.66	13.59	15.30
	1 (RB_Pos:50)	13.95	**14.06**	13.99	15.30	13.89	13.94	13.96	15.30
	1 (RB_Pos:99)	13.85	13.90	13.79	15.30	13.68	13.67	13.77	15.30
	50 (RB_Pos:0)	13.90	13.97	13.88	15.30	13.65	13.89	13.75	15.30
	50 (RB_Pos:25)	14.04	14.05	13.99	15.30	13.95	13.97	13.93	15.30
	50 (RB_Pos:50)	14.02	13.89	13.89	15.30	13.83	13.70	13.77	15.30
	100 (RB_Pos:0)	13.99	13.94	13.88	15.30	13.74	13.86	13.88	15.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20825	21100	21375		20825	21100	21375	
15 MHz	1 (RB_Pos:0)	13.80	13.90	13.85	15.30	13.63	13.64	13.52	15.30
	1 (RB_Pos:38)	13.93	14.01	13.98	15.30	13.95	13.94	13.89	15.30
	1 (RB_Pos:74)	13.78	13.89	13.88	15.30	13.84	13.89	13.66	15.30
	36 (RB_Pos:0)	13.86	13.89	13.84	15.30	13.89	13.86	13.85	15.30
	36 (RB_Pos:20)	13.90	13.89	13.95	15.30	13.99	13.80	13.81	15.30
	36 (RB_Pos:39)	13.92	13.88	13.84	15.30	13.80	13.64	13.88	15.30
	75 (RB_Pos:0)	13.92	13.91	13.91	15.30	13.98	13.80	13.78	15.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20800	21100	21400		20800	21100	21400	
10 MHz	1 (RB_Pos:0)	13.86	13.93	13.89	15.30	13.62	13.68	13.64	15.30
	1 (RB_Pos:25)	13.87	13.95	13.96	15.30	13.93	14.04	13.92	15.30
	1 (RB_Pos:49)	13.86	13.94	13.93	15.30	13.64	13.86	13.72	15.30
	25 (RB_Pos:0)	13.90	13.97	13.94	15.30	13.76	13.78	13.75	15.30
	25 (RB_Pos:12)	13.98	13.99	13.94	15.30	13.93	13.97	13.78	15.30
	25 (RB_Pos:25)	13.97	13.92	13.88	15.30	14.00	13.66	13.64	15.30
	50 (RB_Pos:0)	13.97	13.99	13.96	15.30	13.95	13.72	13.82	15.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up	16QAM			Tune up

	Channel	20775	21100	21425	limit (dBm)	20775	21100	21425	limit (dBm)
5 MHz	1 (RB_Pos:0)	13.82	13.87	13.82	15.30	13.67	13.65	13.59	15.30
	1 (RB_Pos:13)	13.98	13.97	13.94	15.30	13.72	14.04	13.93	15.30
	1 (RB_Pos:24)	13.87	13.85	13.83	15.30	13.65	13.89	13.77	15.30
	12 (RB_Pos:0)	13.87	13.89	13.88	15.30	13.71	13.82	13.85	15.30
	12 (RB_Pos:6)	13.95	13.91	13.92	15.30	13.81	13.90	13.89	15.30
	12 (RB_Pos:13)	13.90	13.85	13.83	15.30	13.85	13.66	13.80	15.30
	25 (RB_Pos:0)	13.92	13.93	13.88	15.30	13.92	13.80	13.72	15.30

8.6.27 Power Reduced Level 2&3 of LTE Band 7

FDD LTE Band 7									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20850	21100	21350		20850	21100	21350	
20 MHz	1 (RB_Pos:0)	12.97	13.00	12.90	14.30	12.82	12.93	12.80	14.30
	1 (RB_Pos:50)	13.12	**13.22**	13.13	14.30	13.02	13.12	13.11	14.30
	1 (RB_Pos:99)	13.02	13.04	12.97	14.30	13.01	13.03	12.83	14.30
	50 (RB_Pos:0)	13.08	13.11	13.02	14.30	12.88	13.11	12.87	14.30
	50 (RB_Pos:25)	13.18	13.21	13.16	14.30	12.93	13.06	13.04	14.30
	50 (RB_Pos:50)	13.21	13.08	13.07	14.30	13.12	12.98	12.90	14.30
	100 (RB_Pos:0)	13.14	13.11	13.03	14.30	12.99	12.92	12.78	14.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20825	21100	21375		20825	21100	21375	
15 MHz	1 (RB_Pos:0)	13.00	13.07	13.04	14.30	12.81	12.78	12.74	14.30
	1 (RB_Pos:38)	13.13	13.19	13.17	14.30	12.93	13.13	13.01	14.30
	1 (RB_Pos:74)	12.98	13.03	13.05	14.30	12.87	13.03	12.73	14.30
	36 (RB_Pos:0)	13.02	13.10	13.02	14.30	12.91	12.87	13.01	14.30
	36 (RB_Pos:20)	13.07	13.10	13.06	14.30	13.17	13.15	12.98	14.30
	36 (RB_Pos:39)	13.10	13.01	13.00	14.30	12.96	13.04	12.93	14.30
	75 (RB_Pos:0)	13.07	13.07	12.99	14.30	12.89	13.03	12.97	14.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20800	21100	21400		20800	21100	21400	
10 MHz	1 (RB_Pos:0)	13.07	13.13	13.11	14.30	12.82	12.84	12.67	14.30
	1 (RB_Pos:25)	13.07	13.13	13.16	14.30	13.09	13.22	12.95	14.30
	1 (RB_Pos:49)	12.98	13.11	13.12	14.30	12.91	13.04	12.84	14.30
	25 (RB_Pos:0)	13.13	13.14	13.09	14.30	12.98	13.06	13.00	14.30
	25 (RB_Pos:12)	13.19	13.16	13.12	14.30	13.12	13.20	12.95	14.30
	25 (RB_Pos:25)	13.16	13.09	13.05	14.30	13.16	12.86	12.98	14.30

	50 (RB_Pos:0)	13.15	13.15	13.13	14.30	13.02	13.01	12.79	14.30
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20775	21100	21425		20775	21100	21425	
5 MHz	1 (RB_Pos:0)	13.05	13.03	13.03	14.30	12.85	12.90	12.85	14.30
	1 (RB_Pos:13)	13.21	13.14	13.14	14.30	13.10	13.18	13.01	14.30
	1 (RB_Pos:24)	13.06	13.07	13.03	14.30	13.01	12.87	12.94	14.30
	12 (RB_Pos:0)	13.06	13.11	13.05	14.30	12.96	13.01	12.91	14.30
	12 (RB_Pos:6)	13.12	13.15	13.10	14.30	13.16	13.00	13.16	14.30
	12 (RB_Pos:13)	13.11	13.06	13.00	14.30	13.15	12.98	13.04	14.30
	25 (RB_Pos:0)	13.11	13.12	13.06	14.30	13.03	12.86	12.78	14.30

8.6.28 Power Reduced Level 4&7 of LTE Band 7

FDD LTE Band 7									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20850	21100	21350		20850	21100	21350	
20 MHz	1 (RB_Pos:0)	18.36	18.45	18.34	19.80	18.12	18.22	18.09	19.80
	1 (RB_Pos:50)	18.56	**18.77**	18.58	19.80	18.46	18.54	18.39	19.80
	1 (RB_Pos:99)	18.46	18.48	18.41	19.80	18.38	18.36	18.16	19.80
	50 (RB_Pos:0)	18.51	18.54	18.54	19.80	18.26	18.49	18.35	19.80
	50 (RB_Pos:25)	18.61	18.62	18.61	19.80	18.42	18.57	18.50	19.80
	50 (RB_Pos:50)	18.64	18.54	18.50	19.80	18.50	18.41	18.26	19.80
	100 (RB_Pos:0)	18.59	18.49	18.51	19.80	18.37	18.48	18.30	19.80
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20825	21100	21375		20825	21100	21375	
15 MHz	1 (RB_Pos:0)	18.40	18.48	18.49	19.80	18.22	18.20	18.22	19.80
	1 (RB_Pos:38)	18.54	18.58	18.58	19.80	18.39	18.58	18.57	19.80
	1 (RB_Pos:74)	18.42	18.46	18.50	19.80	18.42	18.44	18.30	19.80
	36 (RB_Pos:0)	18.51	18.54	18.50	19.80	18.50	18.31	18.33	19.80
	36 (RB_Pos:20)	18.57	18.56	18.57	19.80	18.56	18.60	18.36	19.80
	36 (RB_Pos:39)	18.59	18.48	18.48	19.80	18.60	18.53	18.26	19.80
	75 (RB_Pos:0)	18.56	18.53	18.52	19.80	18.50	18.45	18.28	19.80
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20800	21100	21400		20800	21100	21400	
10 MHz	1 (RB_Pos:0)	18.47	18.55	18.53	19.80	18.17	18.21	18.09	19.80
	1 (RB_Pos:25)	18.53	18.59	18.59	19.80	18.47	18.58	18.39	19.80
	1 (RB_Pos:49)	18.48	18.57	18.54	19.80	18.37	18.23	18.31	19.80

	25 (RB_Pos:0)	18.53	18.59	18.56	19.80	18.44	18.30	18.30	19.80
	25 (RB_Pos:12)	18.60	18.59	18.57	19.80	18.61	18.49	18.52	19.80
	25 (RB_Pos:25)	18.57	18.56	18.46	19.80	18.59	18.50	18.40	19.80
	50 (RB_Pos:0)	18.58	18.58	18.58	19.80	18.59	18.28	18.47	19.80
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20775	21100	21425		20775	21100	21425	
5 MHz	1 (RB_Pos:0)	18.42	18.49	18.45	19.80	18.25	18.25	18.15	19.80
	1 (RB_Pos:13)	18.60	18.59	18.53	19.80	18.35	18.57	18.33	19.80
	1 (RB_Pos:24)	18.47	18.46	18.44	19.80	18.26	18.48	18.39	19.80
	12 (RB_Pos:0)	18.47	18.51	18.48	19.80	18.34	18.47	18.51	19.80
	12 (RB_Pos:6)	18.55	18.54	18.56	19.80	18.56	18.61	18.49	19.80
	12 (RB_Pos:13)	18.52	18.47	18.48	19.80	18.60	18.54	18.47	19.80
	25 (RB_Pos:0)	18.54	18.56	18.51	19.80	18.47	18.44	18.37	19.80

8.6.29 Power Reduced Level 5&6&8&9 of LTE Band 7

FDD LTE Band 7									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20850	21100	21350		20850	21100	21350	
20 MHz	1 (RB_Pos:0)	17.41	17.51	17.39	18.80	17.27	17.36	17.30	18.80
	1 (RB_Pos:50)	17.66	**17.72**	17.66	18.80	17.53	17.62	17.48	18.80
	1 (RB_Pos:99)	17.53	17.54	17.43	18.80	17.32	17.33	17.29	18.80
	50 (RB_Pos:0)	17.54	17.63	17.58	18.80	17.30	17.45	17.39	18.80
	50 (RB_Pos:25)	17.69	17.67	17.64	18.80	17.68	17.59	17.59	18.80
	50 (RB_Pos:50)	17.68	17.58	17.57	18.80	17.47	17.43	17.34	18.80
	100 (RB_Pos:0)	17.64	17.59	17.52	18.80	17.50	17.54	17.29	18.80
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20825	21100	21375		20825	21100	21375	
15 MHz	1 (RB_Pos:0)	17.49	17.54	17.53	18.80	17.27	17.51	17.34	18.80
	1 (RB_Pos:38)	17.60	17.66	17.66	18.80	17.42	17.65	17.60	18.80
	1 (RB_Pos:74)	17.52	17.52	17.55	18.80	17.39	17.53	17.25	18.80
	36 (RB_Pos:0)	17.58	17.65	17.57	18.80	17.52	17.54	17.44	18.80
	36 (RB_Pos:20)	17.64	17.62	17.62	18.80	17.56	17.48	17.43	18.80
	36 (RB_Pos:39)	17.61	17.62	17.56	18.80	17.56	17.34	17.40	18.80
	75 (RB_Pos:0)	17.62	17.62	17.63	18.80	17.57	17.58	17.51	18.80
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20800	21100	21400		20800	21100	21400	

10 MHz	1 (RB_Pos:0)	17.57	17.60	17.65	18.80	17.31	17.35	17.15	18.80
	1 (RB_Pos:25)	17.60	17.64	17.68	18.80	17.53	17.64	17.64	18.80
	1 (RB_Pos:49)	17.55	17.61	17.61	18.80	17.52	17.53	17.29	18.80
	25 (RB_Pos:0)	17.59	17.61	17.58	18.80	17.32	17.51	17.39	18.80
	25 (RB_Pos:12)	17.65	17.66	17.60	18.80	17.68	17.62	17.40	18.80
	25 (RB_Pos:25)	17.61	17.57	17.52	18.80	17.46	17.43	17.45	18.80
	50 (RB_Pos:0)	17.62	17.62	17.61	18.80	17.41	17.53	17.41	18.80
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20775	21100	21425		20775	21100	21425	
5 MHz	1 (RB_Pos:0)	17.51	17.54	17.53	18.80	17.41	17.41	17.22	18.80
	1 (RB_Pos:13)	17.67	17.64	17.63	18.80	17.48	17.71	17.54	18.80
	1 (RB_Pos:24)	17.55	17.50	17.54	18.80	17.28	17.41	17.38	18.80
	12 (RB_Pos:0)	17.54	17.57	17.58	18.80	17.46	17.46	17.36	18.80
	12 (RB_Pos:6)	17.65	17.62	17.59	18.80	17.46	17.51	17.57	18.80
	12 (RB_Pos:13)	17.56	17.51	17.49	18.80	17.52	17.40	17.44	18.80
	25 (RB_Pos:0)	17.58	17.58	17.54	18.80	17.64	17.45	17.44	18.80

8.6.30 Power Reduced Level 1 of LTE Band 38

TDD LTE Band 38									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37850	38000	38150		37850	38000	38150	
20 MHz	1 (RB_Pos:0)	18.79	18.75	18.89	20.00	18.70	18.53	18.78	20.00
	1 (RB_Pos:50)	19.00	19.01	**19.12**	20.00	18.92	18.85	19.01	20.00
	1 (RB_Pos:99)	18.78	18.81	18.89	20.00	18.68	18.66	18.77	20.00
	50 (RB_Pos:0)	18.88	18.86	18.84	20.00	18.75	18.68	18.61	20.00
	50 (RB_Pos:25)	18.95	18.95	18.97	20.00	18.76	18.77	18.84	20.00
	50 (RB_Pos:50)	18.86	18.95	18.94	20.00	18.71	18.71	18.71	20.00
	100 (RB_Pos:0)	18.88	18.89	18.87	20.00	18.76	18.70	18.72	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37825	38000	38175		37825	38000	38175	
15 MHz	1 (RB_Pos:0)	18.89	18.91	18.94	20.00	18.64	18.60	18.68	20.00
	1 (RB_Pos:38)	18.98	19.02	19.03	20.00	18.99	18.80	19.05	20.00
	1 (RB_Pos:74)	18.84	18.91	18.89	20.00	18.67	18.75	18.66	20.00
	36 (RB_Pos:0)	18.84	18.84	18.86	20.00	18.73	18.64	18.59	20.00
	36 (RB_Pos:20)	18.92	18.90	18.96	20.00	18.75	18.81	18.88	20.00
	36 (RB_Pos:39)	18.86	18.87	18.92	20.00	18.68	18.78	18.73	20.00
	75 (RB_Pos:0)	18.88	18.90	18.89	20.00	18.82	18.74	18.75	20.00
Bandwidth	RB Set	Power (dBm)							

(MHz)		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37800	38000	38200		37800	38000	38200	
10 MHz	1 (RB_Pos:0)	18.89	18.92	18.96	20.00	18.65	18.67	18.88	20.00
	1 (RB_Pos:25)	18.98	19.03	19.03	20.00	18.83	18.91	19.09	20.00
	1 (RB_Pos:49)	18.91	18.98	18.98	20.00	18.69	18.72	18.71	20.00
	25 (RB_Pos:0)	18.87	18.83	18.85	20.00	18.82	18.86	18.70	20.00
	25 (RB_Pos:12)	18.91	18.91	18.95	20.00	18.81	18.80	18.75	20.00
	25 (RB_Pos:25)	18.88	18.89	18.91	20.00	18.74	18.91	18.77	20.00
	50 (RB_Pos:0)	18.89	18.89	18.91	20.00	18.73	18.84	18.74	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37775	38000	38225		37775	38000	38225	
5 MHz	1 (RB_Pos:0)	18.78	18.81	18.84	20.00	18.57	18.54	18.83	20.00
	1 (RB_Pos:13)	18.92	18.93	18.97	20.00	18.97	18.92	18.96	20.00
	1 (RB_Pos:24)	18.78	18.82	18.81	20.00	18.68	18.78	18.75	20.00
	12 (RB_Pos:0)	18.80	18.81	18.83	20.00	18.87	18.74	18.70	20.00
	12 (RB_Pos:6)	18.86	18.88	18.89	20.00	18.80	18.91	18.75	20.00
	12 (RB_Pos:13)	18.78	18.85	18.87	20.00	18.72	18.81	18.77	20.00
	25 (RB_Pos:0)	18.81	18.85	18.84	20.00	18.81	18.85	18.62	20.00

8.6.31 Power Reduced Level 2&3 of LTE Band 38

TDD LTE Band 38									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37850	38000	38150		37850	38000	38150	
20 MHz	1 (RB_Pos:0)	17.54	17.53	17.62	19.00	17.30	17.53	17.44	19.00
	1 (RB_Pos:50)	17.75	17.73	**17.85**	19.00	17.75	17.67	17.79	19.00
	1 (RB_Pos:99)	17.54	17.52	17.63	19.00	17.48	17.49	17.41	19.00
	50 (RB_Pos:0)	17.71	17.65	17.60	19.00	17.61	17.47	17.44	19.00
	50 (RB_Pos:25)	17.77	17.74	17.72	19.00	17.59	17.51	17.65	19.00
	50 (RB_Pos:50)	17.66	17.70	17.68	19.00	17.57	17.66	17.44	19.00
	100 (RB_Pos:0)	17.65	17.68	17.67	19.00	17.48	17.48	17.59	19.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37825	38000	38175		37825	38000	38175	
15 MHz	1 (RB_Pos:0)	17.86	17.84	17.84	19.00	17.37	17.43	17.57	19.00
	1 (RB_Pos:38)	17.95	17.97	17.73	19.00	17.59	17.55	17.82	19.00
	1 (RB_Pos:74)	17.81	17.85	17.63	19.00	17.46	17.40	17.38	19.00
	36 (RB_Pos:0)	17.79	17.76	17.57	19.00	17.51	17.47	17.48	19.00
	36 (RB_Pos:20)	17.83	17.80	17.62	19.00	17.54	17.62	17.71	19.00

	36 (RB_Pos:39)	17.79	17.77	17.60	19.00	17.54	17.49	17.56	19.00
	75 (RB_Pos:0)	17.84	17.82	17.60	19.00	17.40	17.54	17.42	19.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37800	38000	38200		37800	38000	38200	
10 MHz	1 (RB_Pos:0)	17.85	17.91	17.91	19.00	17.46	17.49	17.48	19.00
	1 (RB_Pos:25)	17.92	17.99	17.96	19.00	17.63	17.66	17.75	19.00
	1 (RB_Pos:49)	17.86	17.90	17.93	19.00	17.45	17.45	17.52	19.00
	25 (RB_Pos:0)	17.82	17.82	17.83	19.00	17.69	17.57	17.51	19.00
	25 (RB_Pos:12)	17.85	17.87	17.92	19.00	17.70	17.50	17.50	19.00
	25 (RB_Pos:25)	17.82	17.86	17.89	19.00	17.41	17.57	17.48	19.00
	50 (RB_Pos:0)	17.86	17.90	17.90	19.00	17.46	17.59	17.54	19.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37775	38000	38225		37775	38000	38225	
5 MHz	1 (RB_Pos:0)	17.75	17.75	17.79	19.00	17.30	17.41	17.61	19.00
	1 (RB_Pos:13)	17.86	17.85	17.90	19.00	17.54	17.60	17.63	19.00
	1 (RB_Pos:24)	17.76	17.74	17.81	19.00	17.41	17.31	17.47	19.00
	12 (RB_Pos:0)	17.78	17.73	17.79	19.00	17.66	17.49	17.54	19.00
	12 (RB_Pos:6)	17.82	17.84	17.87	19.00	17.56	17.64	17.72	19.00
	12 (RB_Pos:13)	17.77	17.81	17.81	19.00	17.57	17.47	17.59	19.00
	25 (RB_Pos:0)	17.76	17.77	17.81	19.00	17.51	17.61	17.61	19.00

8.6.32 Power Reduced Level 5&6&7 of LTE Band 38

TDD LTE Band 38									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37850	38000	38150		37850	38000	38150	
20 MHz	1 (RB_Pos:0)	21.88	21.82	22.00	23.00	22.17	22.05	22.26	23.00
	1 (RB_Pos:50)	22.11	22.13	**22.20**	23.00	22.40	22.30	22.50	23.00
	1 (RB_Pos:99)	21.89	21.88	22.01	23.00	22.19	22.12	22.35	23.00
	50 (RB_Pos:0)	21.97	21.95	21.94	23.00	20.97	20.97	21.02	22.00
	50 (RB_Pos:25)	22.07	22.07	22.07	23.00	21.06	21.08	21.12	22.00
	50 (RB_Pos:50)	21.97	22.02	22.05	23.00	20.97	21.04	21.08	22.00
	100 (RB_Pos:0)	21.98	21.99	22.02	23.00	20.95	20.98	21.01	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37825	38000	38175		37825	38000	38175	
15 MHz	1 (RB_Pos:0)	22.00	22.02	22.03	23.00	22.27	22.44	22.32	23.00
	1 (RB_Pos:38)	22.12	22.15	22.13	23.00	22.33	22.52	22.47	23.00

	1 (RB_Pos:74)	21.96	22.02	22.00	23.00	22.20	22.40	22.31	23.00
	36 (RB_Pos:0)	21.98	21.96	21.97	23.00	20.95	20.94	21.03	22.00
	36 (RB_Pos:20)	22.02	22.04	22.04	23.00	21.01	21.03	21.06	22.00
	36 (RB_Pos:39)	21.97	21.99	22.02	23.00	20.97	21.00	21.07	22.00
	75 (RB_Pos:0)	21.99	22.01	22.00	23.00	21.01	21.02	21.01	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37800	38000	38200		37800	38000	38200	
10 MHz	1 (RB_Pos:0)	22.02	22.08	22.09	23.00	22.27	22.47	22.41	23.00
	1 (RB_Pos:25)	22.07	22.12	22.14	23.00	22.30	22.53	22.46	23.00
	1 (RB_Pos:49)	22.02	22.09	22.08	23.00	22.27	22.45	22.45	23.00
	25 (RB_Pos:0)	21.97	21.95	22.00	23.00	21.01	21.01	21.02	22.00
	25 (RB_Pos:12)	22.02	22.03	22.05	23.00	21.04	21.08	21.10	22.00
	25 (RB_Pos:25)	21.97	22.03	22.04	23.00	21.01	21.06	21.09	22.00
	50 (RB_Pos:0)	21.98	22.02	22.02	23.00	21.00	21.05	21.07	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37775	38000	38225		37775	38000	38225	
5 MHz	1 (RB_Pos:0)	21.96	21.96	21.96	23.00	22.15	22.24	22.31	23.00
	1 (RB_Pos:13)	22.06	22.10	22.11	23.00	22.32	22.37	22.48	23.00
	1 (RB_Pos:24)	21.96	21.95	22.01	23.00	22.16	22.24	22.38	23.00
	12 (RB_Pos:0)	21.92	21.96	21.96	23.00	21.00	20.94	21.08	22.00
	12 (RB_Pos:6)	22.02	22.00	22.04	23.00	21.07	21.02	21.13	22.00
	12 (RB_Pos:13)	21.98	22.00	22.00	23.00	21.01	20.99	21.11	22.00
	25 (RB_Pos:0)	21.97	21.96	21.98	23.00	21.02	21.05	21.08	22.00

8.6.33 Power Reduced Level 8&9 of LTE Band 38

TDD LTE Band 38									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37850	38000	38150		37850	38000	38150	
20 MHz	1 (RB_Pos:0)	21.01	20.99	21.10	22.00	21.31	21.24	21.40	22.00
	1 (RB_Pos:50)	21.22	21.19	**21.29**	22.00	21.53	21.42	21.60	22.00
	1 (RB_Pos:99)	21.03	20.99	21.10	22.00	21.35	21.23	21.47	22.00
	50 (RB_Pos:0)	21.09	21.09	21.06	22.00	21.10	21.12	21.14	22.00
	50 (RB_Pos:25)	21.17	21.19	21.16	22.00	21.17	21.23	21.23	22.00
	50 (RB_Pos:50)	21.14	21.12	21.09	22.00	21.13	21.17	21.20	22.00
	100 (RB_Pos:0)	21.08	21.09	21.11	22.00	21.13	21.09	21.14	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit	16QAM			Tune up limit
	Channel	37825	38000	38175		37825	38000	38175	

					(dBm)				(dBm)
15 MHz	1 (RB_Pos:0)	21.14	21.14	21.09	22.00	21.42	21.60	21.41	22.00
	1 (RB_Pos:38)	21.21	21.22	21.21	22.00	21.49	21.68	21.52	22.00
	1 (RB_Pos:74)	21.12	21.12	21.11	22.00	21.35	21.55	21.43	22.00
	36 (RB_Pos:0)	21.09	21.11	21.06	22.00	21.11	21.11	21.13	22.00
	36 (RB_Pos:20)	21.17	21.14	21.13	22.00	21.14	21.16	21.23	22.00
	36 (RB_Pos:39)	21.10	21.12	21.11	22.00	21.14	21.11	21.17	22.00
	75 (RB_Pos:0)	21.13	21.13	21.10	22.00	21.13	21.14	21.15	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37800	38000	38200		37800	38000	38200	
10 MHz	1 (RB_Pos:0)	21.15	21.15	21.18	22.00	21.45	21.61	21.59	22.00
	1 (RB_Pos:25)	21.17	21.23	21.22	22.00	21.49	21.66	21.61	22.00
	1 (RB_Pos:49)	21.17	21.15	21.19	22.00	21.41	21.58	21.57	22.00
	25 (RB_Pos:0)	21.08	21.06	21.09	22.00	21.14	21.13	21.18	22.00
	25 (RB_Pos:12)	21.12	21.13	21.13	22.00	21.21	21.20	21.24	22.00
	25 (RB_Pos:25)	21.14	21.12	21.13	22.00	21.20	21.15	21.25	22.00
	50 (RB_Pos:0)	21.10	21.12	21.14	22.00	21.18	21.17	21.21	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	37775	38000	38225		37775	38000	38225	
5 MHz	1 (RB_Pos:0)	21.06	21.06	21.08	22.00	21.38	21.47	21.33	22.00
	1 (RB_Pos:13)	21.18	21.20	21.22	22.00	21.54	21.61	21.45	22.00
	1 (RB_Pos:24)	21.09	21.10	21.09	22.00	21.37	21.48	21.34	22.00
	12 (RB_Pos:0)	21.07	21.08	21.08	22.00	21.12	21.21	21.15	22.00
	12 (RB_Pos:6)	21.17	21.12	21.17	22.00	21.18	21.23	21.22	22.00
	12 (RB_Pos:13)	21.07	21.09	21.09	22.00	21.12	21.20	21.14	22.00
	25 (RB_Pos:0)	21.08	21.10	21.08	22.00	21.14	21.15	21.14	22.00

8.6.34 Power Reduced Level 1 of LTE Band 41

TDD LTE Band 41									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40140	40765	41140		40140	40765	41140	
20 MHz	1 (RB_Pos:0)	18.42	18.34	18.51	20.00	18.19	18.27	18.34	20.00
	1 (RB_Pos:50)	18.59	18.57	**18.68**	20.00	18.38	18.51	18.59	20.00
	1 (RB_Pos:99)	18.42	18.39	18.49	20.00	18.27	18.39	18.36	20.00
	50 (RB_Pos:0)	18.51	18.47	18.56	20.00	18.42	18.36	18.50	20.00
	50 (RB_Pos:25)	18.61	18.57	18.54	20.00	18.36	18.43	18.50	20.00
	50 (RB_Pos:50)	18.53	18.54	18.42	20.00	18.30	18.43	18.21	20.00
	100 (RB_Pos:0)	18.53	18.47	18.46	20.00	18.42	18.39	18.39	20.00

Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40115	40765	41165		40115	40765	41165	
15 MHz	1 (RB_Pos:0)	18.48	18.54	18.53	20.00	18.20	18.28	18.27	20.00
	1 (RB_Pos:38)	18.66	18.66	18.60	20.00	18.36	18.39	18.48	20.00
	1 (RB_Pos:74)	18.48	18.49	18.48	20.00	18.22	18.25	18.48	20.00
	36 (RB_Pos:0)	18.52	18.45	18.50	20.00	18.44	18.44	18.51	20.00
	36 (RB_Pos:20)	18.57	18.52	18.53	20.00	18.55	18.35	18.53	20.00
	36 (RB_Pos:39)	18.56	18.52	18.43	20.00	18.38	18.30	18.36	20.00
	75 (RB_Pos:0)	18.56	18.53	18.53	20.00	18.41	18.34	18.29	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40090	40765	41190		40090	40765	41190	
10 MHz	1 (RB_Pos:0)	18.59	18.58	18.57	20.00	18.42	18.18	18.27	20.00
	1 (RB_Pos:25)	18.69	18.63	18.65	20.00	18.49	18.37	18.44	20.00
	1 (RB_Pos:49)	18.60	18.59	18.56	20.00	18.41	18.18	18.41	20.00
	25 (RB_Pos:0)	18.54	18.51	18.58	20.00	18.50	18.31	18.55	20.00
	25 (RB_Pos:12)	18.58	18.57	18.56	20.00	18.60	18.42	18.43	20.00
	25 (RB_Pos:25)	18.58	18.55	18.48	20.00	18.39	18.42	18.37	20.00
	50 (RB_Pos:0)	18.57	18.55	18.51	20.00	18.48	18.47	18.35	20.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40065	40765	41215		40065	40765	41215	
5 MHz	1 (RB_Pos:0)	18.56	18.47	18.52	20.00	18.40	18.13	18.36	20.00
	1 (RB_Pos:13)	18.68	18.62	18.64	20.00	18.58	18.55	18.56	20.00
	1 (RB_Pos:24)	18.55	18.50	18.51	20.00	18.39	18.26	18.33	20.00
	12 (RB_Pos:0)	18.55	18.48	18.49	20.00	18.26	18.39	18.34	20.00
	12 (RB_Pos:6)	18.62	18.58	18.55	20.00	18.47	18.34	18.29	20.00
	12 (RB_Pos:13)	18.56	18.52	18.49	20.00	18.41	18.44	18.20	20.00
	25 (RB_Pos:0)	18.58	18.52	18.53	20.00	18.28	18.30	18.21	20.00

8.6.35 Power Reduced Level 2&3 of LTE Band 41

TDD LTE Band 41									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40140	40765	41140		40140	40765	41140	
20 MHz	1 (RB_Pos:0)	17.55	17.55	17.67	19.00	17.47	17.31	17.63	19.00
	1 (RB_Pos:50)	17.79	17.76	**17.86**	19.00	17.71	17.61	17.72	19.00
	1 (RB_Pos:99)	17.61	17.58	17.66	19.00	17.36	17.36	17.41	19.00
	50 (RB_Pos:0)	17.71	17.68	17.73	19.00	17.50	17.64	17.48	19.00

	50 (RB_Pos:25)	17.78	17.75	17.76	19.00	17.57	17.55	17.63	19.00
	50 (RB_Pos:50)	17.74	17.73	17.62	19.00	17.49	17.57	17.61	19.00
	100 (RB_Pos:0)	17.73	17.68	17.67	19.00	17.61	17.44	17.50	19.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40115	40765	41165		40115	40765	41165	
15 MHz	1 (RB_Pos:0)	17.68	17.70	17.67	19.00	17.36	17.34	17.55	19.00
	1 (RB_Pos:38)	17.80	17.82	17.77	19.00	17.54	17.53	17.77	19.00
	1 (RB_Pos:74)	17.65	17.66	17.63	19.00	17.54	17.55	17.43	19.00
	36 (RB_Pos:0)	17.67	17.63	17.65	19.00	17.71	17.53	17.66	19.00
	36 (RB_Pos:20)	17.76	17.70	17.71	19.00	17.59	17.71	17.71	19.00
	36 (RB_Pos:39)	17.71	17.69	17.59	19.00	17.52	17.72	17.54	19.00
	75 (RB_Pos:0)	17.75	17.71	17.71	19.00	17.63	17.45	17.65	19.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40090	40765	41190		40090	40765	41190	
10 MHz	1 (RB_Pos:0)	17.73	17.79	17.74	19.00	17.50	17.37	17.59	19.00
	1 (RB_Pos:25)	17.79	17.79	17.81	19.00	17.78	17.51	17.76	19.00
	1 (RB_Pos:49)	17.76	17.75	17.77	19.00	17.59	17.42	17.41	19.00
	25 (RB_Pos:0)	17.69	17.66	17.73	19.00	17.58	17.54	17.62	19.00
	25 (RB_Pos:12)	17.75	17.70	17.70	19.00	17.66	17.71	17.68	19.00
	25 (RB_Pos:25)	17.76	17.77	17.65	19.00	17.52	17.50	17.52	19.00
	50 (RB_Pos:0)	17.72	17.73	17.71	19.00	17.55	17.61	17.58	19.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40065	40765	41215		40065	40765	41215	
5 MHz	1 (RB_Pos:0)	17.64	17.64	17.68	19.00	17.41	17.54	17.45	19.00
	1 (RB_Pos:13)	17.79	17.76	17.77	19.00	17.73	17.53	17.65	19.00
	1 (RB_Pos:24)	17.65	17.68	17.64	19.00	17.39	17.56	17.49	19.00
	12 (RB_Pos:0)	17.69	17.66	17.70	19.00	17.70	17.47	17.59	19.00
	12 (RB_Pos:6)	17.74	17.71	17.73	19.00	17.72	17.57	17.60	19.00
	12 (RB_Pos:13)	17.74	17.68	17.69	19.00	17.70	17.51	17.45	19.00
	25 (RB_Pos:0)	17.72	17.67	17.68	19.00	17.59	17.44	17.45	19.00

8.6.36 Power Reduced Level 5&6 of LTE Band 41

TDD LTE Band 41									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40140	40765	41140		40140	40765	41140	
20 MHz	1 (RB_Pos:0)	21.59	21.58	21.69	23.00	21.50	21.37	21.59	23.00
	1 (RB_Pos:50)	21.78	21.81	**21.86**	23.00	21.70	21.58	21.80	23.00
	1 (RB_Pos:99)	21.62	21.59	21.69	23.00	21.61	21.39	21.61	23.00
	50 (RB_Pos:0)	21.67	21.65	21.73	23.00	20.61	20.64	20.78	22.00
	50 (RB_Pos:25)	21.76	21.77	21.77	23.00	20.73	20.77	20.78	22.00
	50 (RB_Pos:50)	21.70	21.75	21.61	23.00	20.68	20.74	20.66	22.00
	100 (RB_Pos:0)	21.70	21.69	21.67	23.00	20.67	20.69	20.68	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40115	40765	41165		40115	40765	41165	
15 MHz	1 (RB_Pos:0)	21.69	21.72	21.70	23.00	21.49	21.40	21.47	23.00
	1 (RB_Pos:38)	21.83	21.82	21.81	23.00	21.70	21.67	21.85	23.00
	1 (RB_Pos:74)	21.66	21.71	21.69	23.00	21.49	21.42	21.55	23.00
	36 (RB_Pos:0)	21.68	21.66	21.71	23.00	20.67	20.64	20.72	22.00
	36 (RB_Pos:20)	21.75	21.72	21.73	23.00	20.72	20.71	20.73	22.00
	36 (RB_Pos:39)	21.74	21.72	21.66	23.00	20.71	20.69	20.66	22.00
	75 (RB_Pos:0)	21.76	21.73	21.75	23.00	20.73	20.67	20.69	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40090	40765	41190		40090	40765	41190	
10 MHz	1 (RB_Pos:0)	21.71	21.76	21.80	23.00	21.35	21.56	21.56	23.00
	1 (RB_Pos:25)	21.78	21.85	21.84	23.00	21.75	21.59	21.86	23.00
	1 (RB_Pos:49)	21.77	21.79	21.75	23.00	21.56	21.43	21.50	23.00
	25 (RB_Pos:0)	21.67	21.68	21.74	23.00	20.70	20.70	20.79	22.00
	25 (RB_Pos:12)	21.72	21.75	21.70	23.00	20.76	20.75	20.77	22.00
	25 (RB_Pos:25)	21.73	21.73	21.65	23.00	20.76	20.75	20.70	22.00
	50 (RB_Pos:0)	21.70	21.74	21.70	23.00	20.73	20.74	20.74	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40065	40765	41215		40065	40765	41215	
5 MHz	1 (RB_Pos:0)	21.70	21.69	21.72	23.00	21.57	21.43	21.46	23.00
	1 (RB_Pos:13)	21.82	21.79	21.81	23.00	21.70	21.56	21.73	23.00
	1 (RB_Pos:24)	21.70	21.68	21.69	23.00	21.54	21.42	21.59	23.00
	12 (RB_Pos:0)	21.70	21.65	21.70	23.00	20.69	20.65	20.80	22.00
	12 (RB_Pos:6)	21.75	21.72	21.71	23.00	20.76	20.70	20.81	22.00
	12 (RB_Pos:13)	21.73	21.68	21.68	23.00	20.75	20.67	20.76	22.00

	25 (RB_Pos:0)	21.70	21.69	21.68	23.00	20.70	20.71	20.71	22.00

8.6.37 Power Reduced Level 7 of LTE Band 41

TDD LTE Band 41									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40140	40765	41140		40140	40765	41140	
20 MHz	1 (RB_Pos:0)	20.71	20.69	20.81	22.00	20.61	20.59	20.58	22.00
	1 (RB_Pos:50)	20.89	20.92	**21.00**	22.00	20.78	20.85	20.75	22.00
	1 (RB_Pos:99)	20.72	20.73	20.75	22.00	20.66	20.68	20.72	22.00
	50 (RB_Pos:0)	20.80	20.81	20.82	22.00	20.73	20.65	20.62	22.00
	50 (RB_Pos:25)	20.91	20.92	20.85	22.00	20.89	20.78	20.60	22.00
	50 (RB_Pos:50)	20.86	20.85	20.68	22.00	20.75	20.62	20.47	22.00
	100 (RB_Pos:0)	20.84	20.82	20.76	22.00	20.78	20.70	20.52	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40115	40765	41165		40115	40765	41165	
15 MHz	1 (RB_Pos:0)	20.81	20.85	20.82	22.00	20.70	20.65	20.65	22.00
	1 (RB_Pos:38)	20.94	20.97	20.91	22.00	20.72	20.89	20.87	22.00
	1 (RB_Pos:74)	20.82	20.82	20.77	22.00	20.67	20.54	20.75	22.00
	36 (RB_Pos:0)	20.83	20.80	20.79	22.00	20.77	20.59	20.78	22.00
	36 (RB_Pos:20)	20.85	20.85	20.81	22.00	20.79	20.76	20.73	22.00
	36 (RB_Pos:39)	20.85	20.80	20.72	22.00	20.64	20.78	20.64	22.00
	75 (RB_Pos:0)	20.83	20.86	20.82	22.00	20.61	20.75	20.51	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40090	40765	41190		40090	40765	41190	
10 MHz	1 (RB_Pos:0)	20.87	20.89	20.87	22.00	20.47	20.59	20.81	22.00
	1 (RB_Pos:25)	20.91	20.94	20.91	22.00	20.72	20.92	20.93	22.00
	1 (RB_Pos:49)	20.90	20.92	20.84	22.00	20.61	20.72	20.70	22.00
	25 (RB_Pos:0)	20.81	20.80	20.83	22.00	20.71	20.68	20.68	22.00
	25 (RB_Pos:12)	20.88	20.86	20.81	22.00	20.79	20.87	20.63	22.00
	25 (RB_Pos:25)	20.87	20.84	20.74	22.00	20.68	20.73	20.55	22.00
	50 (RB_Pos:0)	20.85	20.87	20.79	22.00	20.72	20.62	20.68	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40065	40765	41215		40065	40765	41215	
5 MHz	1 (RB_Pos:0)	20.81	20.81	20.79	22.00	20.59	20.48	20.71	22.00
	1 (RB_Pos:13)	20.94	20.94	20.88	22.00	20.65	20.74	20.81	22.00
	1 (RB_Pos:24)	20.84	20.81	20.77	22.00	20.66	20.50	20.64	22.00

	12 (RB_Pos:0)	20.81	20.82	20.82	22.00	20.67	20.68	20.70	22.00
	12 (RB_Pos:6)	20.88	20.85	20.81	22.00	20.77	20.73	20.72	22.00
	12 (RB_Pos:13)	20.84	20.80	20.75	22.00	20.78	20.81	20.48	22.00
	25 (RB_Pos:0)	20.84	20.83	20.77	22.00	20.70	20.81	20.76	22.00

8.6.38 Power Reduced Level 8&9 of LTE Band 41

TDD LTE Band 41									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40140	40765	41140		40140	40765	41140	
20 MHz	1 (RB_Pos:0)	19.63	19.66	19.78	21.00	19.46	19.54	19.69	21.00
	1 (RB_Pos:50)	19.88	19.88	**19.93**	21.00	19.86	19.85	19.91	21.00
	1 (RB_Pos:99)	19.70	19.69	19.72	21.00	19.70	19.46	19.63	21.00
	50 (RB_Pos:0)	19.74	19.75	19.75	21.00	19.74	19.55	19.51	21.00
	50 (RB_Pos:25)	19.90	19.85	19.79	21.00	19.79	19.61	19.58	21.00
	50 (RB_Pos:50)	19.81	19.78	19.66	21.00	19.76	19.66	19.42	21.00
	100 (RB_Pos:0)	19.78	19.76	19.71	21.00	19.70	19.59	19.49	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40115	40765	41165		40115	40765	41165	
15 MHz	1 (RB_Pos:0)	19.76	19.79	19.76	21.00	19.49	19.65	19.78	21.00
	1 (RB_Pos:38)	19.92	19.92	19.85	21.00	19.69	19.84	19.75	21.00
	1 (RB_Pos:74)	19.77	19.80	19.72	21.00	19.53	19.47	19.64	21.00
	36 (RB_Pos:0)	19.68	19.77	19.74	21.00	19.54	19.67	19.68	21.00
	36 (RB_Pos:20)	19.91	19.79	19.80	21.00	19.82	19.82	19.79	21.00
	36 (RB_Pos:39)	19.81	19.79	19.66	21.00	19.75	19.58	19.49	21.00
	75 (RB_Pos:0)	19.87	19.80	19.76	21.00	19.73	19.69	19.65	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40090	40765	41190		40090	40765	41190	
10 MHz	1 (RB_Pos:0)	19.80	19.86	19.81	21.00	19.49	19.42	19.63	21.00
	1 (RB_Pos:25)	19.90	19.90	19.88	21.00	19.77	19.78	19.86	21.00
	1 (RB_Pos:49)	19.84	19.86	19.78	21.00	19.47	19.69	19.66	21.00
	25 (RB_Pos:0)	19.81	19.77	19.78	21.00	19.70	19.68	19.56	21.00
	25 (RB_Pos:12)	19.82	19.79	19.74	21.00	19.66	19.73	19.56	21.00
	25 (RB_Pos:25)	19.84	19.81	19.69	21.00	19.58	19.77	19.55	21.00
	50 (RB_Pos:0)	19.68	19.79	19.72	21.00	19.59	19.51	19.51	21.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	40065	40765	41215		40065	40765	41215	

5 MHz	1 (RB_Pos:0)	19.80	19.75	19.75	21.00	19.61	19.45	19.69	21.00
	1 (RB_Pos:13)	19.91	19.88	19.84	21.00	19.76	19.75	19.89	21.00
	1 (RB_Pos:24)	19.79	19.73	19.71	21.00	19.61	19.47	19.64	21.00
	12 (RB_Pos:0)	19.78	19.77	19.73	21.00	19.73	19.68	19.75	21.00
	12 (RB_Pos:6)	19.79	19.79	19.75	21.00	19.69	19.71	19.57	21.00
	12 (RB_Pos:13)	19.81	19.77	19.68	21.00	19.62	19.64	19.42	21.00
	25 (RB_Pos:0)	19.82	19.80	19.70	21.00	19.74	19.57	19.51	21.00

8.6.39 Power Reduced Level 2&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	11.43	12.00	No
		6	2437	**14.15**	15.00	Yes
		11	2462	14.06	15.00	No
	802.11g	1	2412	13.75	15.00	No
		6	2437	14.71	15.00	No
		11	2462	13.92	15.00	No
	802.11n(HT20)	1	2412	12.64	14.00	No
		6	2437	13.33	14.00	No
		11	2462	12.98	14.00	No
	802.11n(HT40)	3	2422	12.36	13.00	No
		6	2437	12.23	13.00	No
		9	2452	12.17	13.00	No

8.6.40 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	13.61	14.00	No
		40	5200	13.61	14.00	No
		48	5240	13.77	14.00	No
	802.11n(HT20)	36	5180	12.18	12.50	No
		44	5220	12.27	12.50	No
		48	5240	12.36	12.50	No
	802.11n(HT40)	38	5190	11.39	11.50	No
		46	5230	11.06	11.50	No
	802.11ac(VHT20)	36	5180	11.37	11.50	No
		40	5200	11.21	11.50	No
		48	5240	11.25	11.50	No
	802.11ac(VHT40)	38	5190	11.04	12.00	No
		46	5230	11.57	12.00	No
	802.11ac(VHT80)	42	5210	10.25	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	13.57	14.00	Yes
		60	5300	13.53	14.00	Yes
		64	5320	**13.60**	14.00	Yes
	802.11n(HT20)	52	5260	12.26	12.50	No
		60	5300	12.13	12.50	No
		64	5320	12.23	12.50	No
	802.11n(HT40)	54	5270	12.93	13.00	No
		62	5310	12.18	13.00	No
	802.11ac(VHT20)	52	5260	11.16	11.50	No
		60	5300	11.03	11.50	No
		64	5320	11.26	11.50	No
	802.11ac(VHT40)	54	5270	11.34	12.00	No
		62	5310	10.63	11.00	No
	802.11ac(VHT80)	58	5290	9.87	10.00	No
5.6 (5.47~5.725)	802.11a	100	5500	12.71	13.00	Yes
		116	5580	**12.75**	13.00	Yes
		140	5700	12.65	13.00	Yes
	802.11n(HT20)	100	5500	10.66	11.00	No
		116	5580	10.71	11.00	No
		140	5700	10.90	11.00	No
	802.11n(HT40)	102	5510	10.70	11.00	No
		118	5590	10.71	11.00	No
		134	5670	10.59	11.00	No
	802.11ac(VHT20)	100	5500	10.64	11.00	No

		116	5580	10.51	11.00	No
		140	5700	10.81	11.00	No
	802.11ac(VHT40)	102	5510	10.57	11.00	No
		118	5590	10.50	11.00	No
		134	5670	10.78	11.00	No
	802.11ac(VHT80)	106	5530	10.70	11.00	No
		122	5610	10.41	11.00	No
5.8 (5.725~5.850)	802.11a	149	5745	**13.63**	14.00	Yes
		157	5785	13.61	14.00	Yes
		165	5825	13.48	14.00	Yes
	802.11n(HT20)	149	5745	12.83	13.00	No
		157	5785	12.57	13.00	No
		165	5825	12.75	13.00	No
	802.11n(HT40)	151	5755	12.61	13.00	No
		159	5795	12.90	13.00	No
	802.11ac(VHT20)	149	5745	12.57	13.00	No
		157	5785	12.82	13.00	No
		165	5825	12.61	13.00	No
	802.11ac(VHT40)	151	5755	11.18	11.50	No
		159	5795	10.89	11.50	No
	802.11ac(VHT80)	155	5775	9.35	10.00	No

8.6.41 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	11.78	12.00	No
		40	5200	11.88	12.00	No
		48	5240	11.55	12.00	No
	802.11n(HT20)	36	5180	10.88	11.00	No
		44	5220	10.72	11.00	No
		48	5240	10.86	11.00	No
	802.11n(HT40)	38	5190	10.76	11.00	No
		46	5230	10.87	11.00	No
	802.11ac(VHT20)	36	5180	10.79	11.00	No
		40	5200	10.56	11.00	No
		48	5240	10.73	11.00	No
	802.11ac(VHT40)	38	5190	10.85	11.00	No
		46	5230	10.73	11.00	No
	802.11ac(VHT80)	42	5210	10.25	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	**11.73**	12.00	Yes
		60	5300	11.63	12.00	No

		64	5320	11.55	12.00	No
	802.11n(HT20)	52	5260	10.52	11.00	No
		60	5300	10.85	11.00	No
		64	5320	10.61	11.00	No
	802.11n(HT40)	54	5270	10.66	11.00	No
		62	5310	10.56	11.00	No
	802.11ac(VHT20)	52	5260	10.53	11.00	No
		60	5300	10.78	11.00	No
		64	5320	10.75	11.00	No
	802.11ac(VHT40)	54	5270	10.56	11.00	No
		62	5310	10.63	11.00	No
	802.11ac(VHT80)	58	5290	9.87	10.00	No
5.6 (5.47~5.725)	802.11a	100	5500	10.58	11.00	No
		116	5580	**10.80**	11.00	Yes
		140	5700	10.50	11.00	No
	802.11n(HT20)	100	5500	9.53	10.00	No
		116	5580	9.83	10.00	No
		140	5700	9.82	10.00	No
	802.11n(HT40)	102	5510	9.70	10.00	No
		118	5590	9.84	10.00	No
		134	5670	9.90	10.00	No
	802.11ac(VHT20)	100	5500	9.56	10.00	No
		116	5580	9.63	10.00	No
		140	5700	9.85	10.00	No
	802.11ac(VHT40)	102	5510	9.61	10.00	No
		118	5590	9.71	10.00	No
		134	5670	9.89	10.00	No
	802.11ac(VHT80)	106	5530	9.89	10.00	No
		122	5610	9.62	10.00	No
5.8 (5.725~5.850)	802.11a	149	5745	**11.57**	12.00	Yes
		157	5785	11.52	12.00	No
		165	5825	11.55	12.00	No
	802.11n(HT20)	149	5745	10.88	11.00	No
		157	5785	10.57	11.00	No
		165	5825	10.77	11.00	No
	802.11n(HT40)	151	5755	10.84	11.00	No
		159	5795	10.80	11.00	No
	802.11ac(VHT20)	149	5745	10.78	11.00	No
		157	5785	10.89	11.00	No
		165	5825	10.50	11.00	No
	802.11ac(VHT40)	151	5755	10.50	11.00	No

		159	5795	10.60	11.00	No
	802.11ac(VHT80)	155	5775	9.35	10.00	No

8.6.42 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	15.56	16.00	No
		40	5200	15.81	16.00	No
		48	5240	**15.54**	16.00	Yes
	802.11n(HT20)	36	5180	14.70	15.00	No
		44	5220	14.89	15.00	No
		48	5240	14.95	15.00	No
	802.11n(HT40)	38	5190	12.68	14.00	No
		46	5230	13.64	14.00	No
	802.11ac(VHT20)	36	5180	13.61	14.00	No
		40	5200	13.27	14.00	No
		48	5240	13.85	14.00	No
	802.11ac(VHT40)	38	5190	11.04	12.00	No
		46	5230	11.57	12.00	No
	802.11ac(VHT80)	42	5210	10.25	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	**15.61**	16.00	Yes
		60	5300	15.53	16.00	No
		64	5320	15.27	16.00	No
	802.11n(HT20)	52	5260	14.16	15.00	No
		60	5300	14.88	15.00	No
		64	5320	14.58	15.00	No
	802.11n(HT40)	54	5270	12.93	13.00	No
		62	5310	12.18	13.00	No
	802.11ac(VHT20)	52	5260	13.16	14.00	No
		60	5300	13.40	14.00	No
		64	5320	13.62	14.00	No
	802.11ac(VHT40)	54	5270	11.34	12.00	No
		62	5310	10.63	11.00	No
	802.11ac(VHT80)	58	5290	9.87	10.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.57	15.00	No
		116	5580	**14.75**	15.00	Yes
		140	5700	13.84	14.00	No
	802.11n(HT20)	100	5500	13.70	14.00	No
		116	5580	13.71	14.00	No
		140	5700	13.72	14.00	No
	802.11n(HT40)	102	5510	12.56	13.00	No

		118	5590	13.95	14.00	No
		134	5670	13.57	14.00	No
	802.11ac(VHT20)	100	5500	14.08	14.50	No
		116	5580	14.06	14.50	No
		140	5700	13.67	14.00	No
	802.11ac(VHT40)	102	5510	11.76	12.00	No
		118	5590	11.97	12.00	No
		134	5670	11.62	12.00	No
	802.11ac(VHT80)	106	5530	10.70	11.00	No
		122	5610	10.41	11.00	No
5.8 (5.725~5.850)	802.11a	149	5745	**15.37**	16.00	Yes
		157	5785	15.06	16.00	No
		165	5825	15.36	16.00	No
	802.11n(HT20)	149	5745	14.79	15.00	No
		157	5785	14.52	15.00	No
		165	5825	14.59	15.00	No
	802.11n(HT40)	151	5755	13.25	14.00	No
		159	5795	13.06	14.00	No
	802.11ac(VHT20)	149	5745	14.30	14.50	No
		157	5785	13.09	14.50	No
		165	5825	13.64	14.50	No
	802.11ac(VHT40)	151	5755	11.18	11.50	No
		159	5795	10.89	11.50	No
	802.11ac(VHT80)	155	5775	9.35	10.00	No

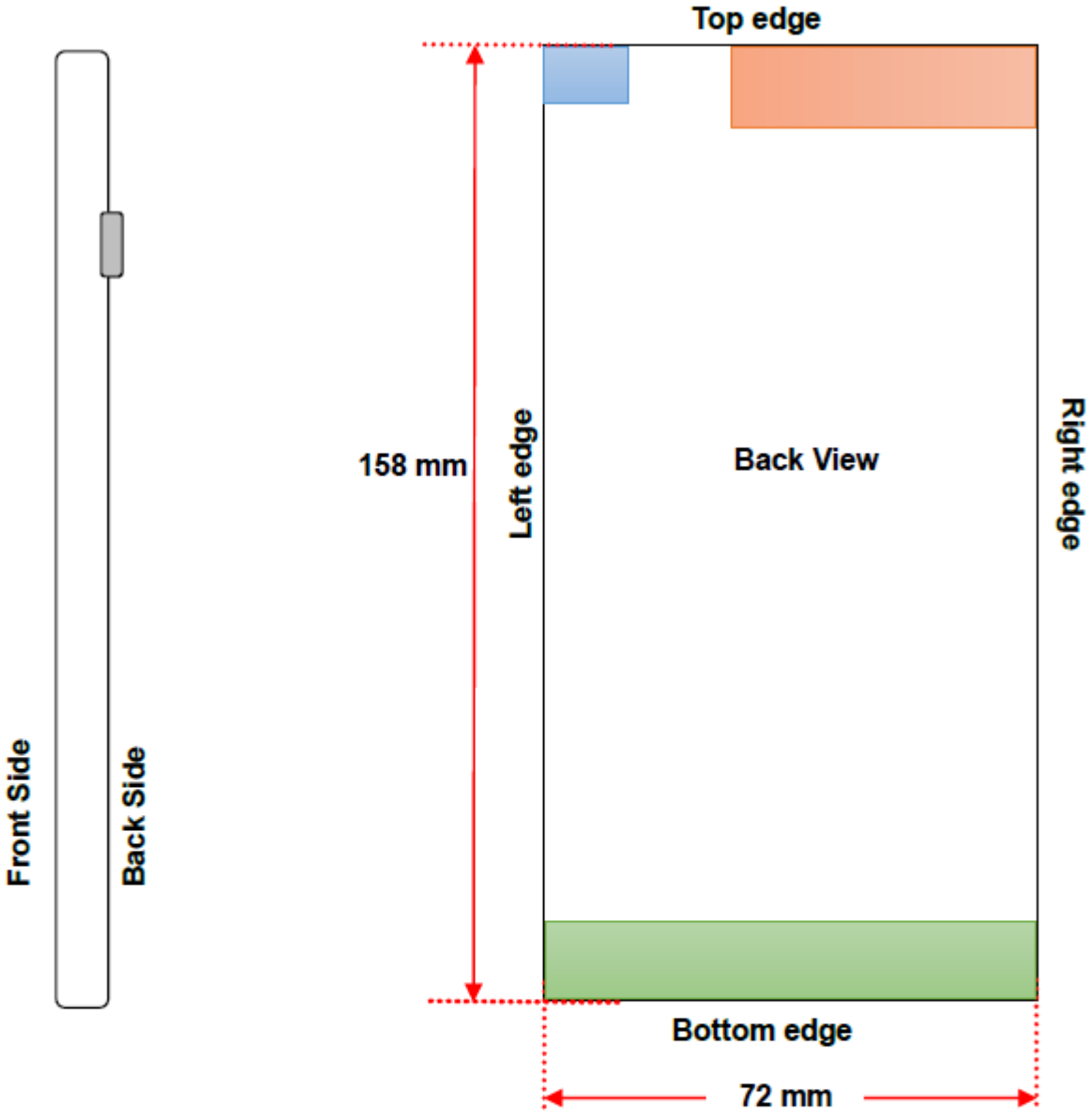
8.6.43 Power Reduced Level 4 of 5G WIFI

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	13.61	14.00	No
		40	5200	13.61	14.00	No
		48	5240	**13.77**	14.00	Yes
	802.11n(HT20)	36	5180	12.18	12.50	No
		44	5220	12.27	12.50	No
		48	5240	12.36	12.50	No
	802.11n(HT40)	38	5190	11.39	11.50	No
		46	5230	11.06	11.50	No
	802.11ac(VHT20)	36	5180	11.37	11.50	No
		40	5200	11.21	11.50	No
		48	5240	11.25	11.50	No
	802.11ac(VHT40)	38	5190	11.04	12.00	No
		46	5230	11.57	12.00	No

	802.11ac(VHT80)	42	5210	10.25	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	**13.57**	14.00	Yes
		60	5300	13.53	14.00	No
		64	5320	13.55	14.00	No
	802.11n(HT20)	52	5260	12.26	12.50	No
		60	5300	12.13	12.50	No
		64	5320	12.23	12.50	No
	802.11n(HT40)	54	5270	12.93	13.00	No
		62	5310	12.18	13.00	No
	802.11ac(VHT20)	52	5260	11.16	11.50	No
		60	5300	11.03	11.50	No
		64	5320	11.26	11.50	No
	802.11ac(VHT40)	54	5270	11.34	12.00	No
		62	5310	10.63	11.00	No
	802.11ac(VHT80)	58	5290	9.87	10.00	No
5.6 (5.47~5.725)	802.11a	100	5500	12.71	13.00	No
		116	5580	**12.75**	13.00	Yes
		140	5700	12.65	13.00	No
	802.11n(HT20)	100	5500	10.66	11.00	No
		116	5580	10.71	11.00	No
		140	5700	10.90	11.00	No
	802.11n(HT40)	102	5510	10.70	11.00	No
		118	5590	10.71	11.00	No
		134	5670	10.59	11.00	No
	802.11ac(VHT20)	100	5500	10.64	11.00	No
		116	5580	10.51	11.00	No
		140	5700	10.81	11.00	No
	802.11ac(VHT40)	102	5510	10.57	11.00	No
		118	5590	10.50	11.00	No
		134	5670	10.78	11.00	No
	802.11ac(VHT80)	106	5530	10.70	11.00	No
		122	5610	10.41	11.00	No
5.8 (5.725~5.850)	802.11a	149	5745	**13.63**	14.00	Yes
		157	5785	13.61	14.00	No
		165	5825	13.48	14.00	No
	802.11n(HT20)	149	5745	12.83	13.00	No
		157	5785	12.57	13.00	No
		165	5825	12.75	13.00	No
	802.11n(HT40)	151	5755	12.61	13.00	No
		159	5795	12.90	13.00	No
	802.11ac(VHT20)	149	5745	12.57	13.00	No

		157	5785	12.82	13.00	No
		165	5825	12.61	13.00	No
	802.11ac(VHT40)	151	5755	11.18	11.50	No
		159	5795	10.89	11.50	No
	802.11ac(VHT80)	155	5775	9.35	10.00	No

9 TEST EXCLUSION CONSIDERATION



BT/ 2.4G / 5G Antenna

WWAN Antenna Up

WWAN Antenna Down

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 :

Antenna Up

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	>25mm	<5mm	<5mm	>25mm
	Voice	33.50	22.38.72	No	No	No	No	No	No
	Data	33.50	22.38.72	Yes	Yes	Yes	Yes	Yes	No
GSM 1900	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	Voice	30.50	1122.02	No	No	No	No	No	No
	Data	30.50	1122.02	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	24.30	269.15	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	24.30	269.15	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 5	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	Yes	No
LTE Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	VOIP	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	VOIP	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 5	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	VOIP	24.30	269.15	Yes	Yes	Yes	Yes	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	VOIP	23.80	239.88	Yes	Yes	Yes	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	VOIP	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	VOIP	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No

Antenna Down

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	Voice	33.50	22.38.72	No	No	No	No	No	No
	Data	33.50	22.38.72	Yes	Yes	Yes	Yes	No	Yes
GSM 1900	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	Voice	30.50	1122.02	No	No	No	No	No	No
	Data	30.50	1122.02	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	24.30	269.15	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	24.30	269.15	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	VOIP	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	VOIP	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	VOIP	24.30	269.15	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	VOIP	23.80	239.88	Yes	Yes	Yes	Yes	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	VOIP	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 41	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	VOIP	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes

BT/ 2.4G / 5G Antenna

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 2.4 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11b	16.00	39.81	Yes	Yes	Yes	Yes	Yes	No
	802.11g	16.00	39.81	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	14.00	25.12	No	No	No	No	No	No
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	17.50	56.23	Yes	Yes	Yes	Yes	Yes	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT20)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT40)	12.00	15.85	No	No	No	No	No	No
	802.11ac(VHT80)	11.00	12.59	No	No	No	No	No	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	17.50	56.23	Yes	Yes	Yes	Yes	Yes	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	13.00	19.95	No	No	No	No	No	No
	802.11ac(VHT20)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT40)	12.00	15.85	No	No	No	No	No	No
	802.11ac(VHT80)	10.00	10.00	No	No	No	No	No	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	17.50	56.23	Yes	Yes	Yes	Yes	Yes	No
	802.11n(HT20)	15.50	35.48	No	No	No	No	No	No
	802.11n(HT40)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT20)	14.50	28.18	No	No	No	No	No	No
	802.11ac(VHT40)	12.00	15.85	No	No	No	No	No	No
	802.11ac(VHT80)	11.00	12.59	No	No	No	No	No	No
WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	16.00	39.81	Yes	Yes	Yes	Yes	Yes	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT20)	14.50	28.18	No	No	No	No	No	No
	802.11ac(VHT40)	11.50	14.13	No	No	No	No	No	No
	802.11ac(VHT80)	10.00	10.00	Yes	Yes	Yes	Yes	Yes	No
Bluetooth	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	BT	13.00	19.95	Yes	Yes	Yes	Yes	Yes	No

Note:

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

   This formula is [3.0] / [√f(GHz)] ·[(min. test separation distance, mm)] = exclusion threshold of mW.
5. Per KDB 447498 D01, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
   a. [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·(f(MHz)/150)] mW, at 100 MHz to 1500 MHz
   b. [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·10] mW at > 1500 MHz and ≤ 6 GHz
6. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA /HSUPA /DC-HSDPA output power is < 0.25dB higher than RMC12.2Kbps, or reported SAR with RMC 12.2kbps setting is ≤ 1.2W/kg, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
7. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion.8. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4dB higher than those measured at the lowest data rate
8. Per KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions.
   a. When KDB Publication 447498 D01 SAR test exclusion applies to the OFDM configuration.
   b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
9. Per KDB 248227 D01 SAR is not required for the following U-NII-1 and U-NII-2A bands conditions.
   a. When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.
   b. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.

10 TEST RESULT

10.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Up	Off	GPRS (2slots)	Left Cheek	0	251	848.8	-0.12	0.259	30.80	31.50	1.175	0.304	/
	Off		Left Tilt	0	251	848.8	0.03	0.231	30.80	31.50	1.175	0.271	/
	Off		Right Cheek	0	251	848.8	0.00	0.416	30.80	31.50	1.175	**0.489**	1#
	Off		Right Tilt	0	251	848.8	-0.14	0.412	30.80	31.50	1.175	0.484	/
Down	Off	GPRS (2slots)	Left Cheek	0	251	848.8	0.15	0.136	30.80	31.50	1.175	0.160	/
	Off		Left Tilt	0	251	848.8	-0.06	0.072	30.80	31.50	1.175	0.085	/
	Off		Right Cheek	0	251	848.8	0.15	0.128	30.80	31.50	1.175	0.150	/
	Off		Right Tilt	0	251	848.8	-0.06	0.061	30.80	31.50	1.175	0.072	/
Body-worn Accessory													
Up	Off	Voice	Front Side	15	190	836.6	0.15	0.025	32.44	33.50	1.276	0.032	/
	Off		Back Side	15	190	836.6	-0.06	0.034	32.44	33.50	1.276	0.043	/
	Off	GPRS (2slots)	Front Side	15	251	848.8	0.15	0.030	30.80	31.50	1.175	0.035	/
	Off		Back Side	15	251	848.8	-0.06	0.050	30.80	31.50	1.175	0.059	/
Down	Off	Voice	Front Side	15	190	836.6	0.15	0.122	32.44	33.50	1.276	0.156	/
	Off		Back Side	15	190	836.6	0.15	0.146	32.44	33.50	1.276	0.186	/
	Off	GPRS (2slots)	Front Side	15	251	848.8	-0.06	0.148	30.80	31.50	1.175	0.174	/
	Off		Back Side	15	251	848.8	-0.01	0.174	30.80	31.50	1.175	**0.204**	2#
Hotspot													
Up	Off	GPRS (2slots)	Front Side	10	251	848.8	0.15	0.059	30.80	31.50	1.175	0.069	/
	Off		Back Side	10	251	848.8	-0.06	0.070	30.80	31.50	1.175	0.082	/
	Off		Left Edge	10	251	848.8	0.15	0.021	30.80	31.50	1.175	0.025	
	Off		Right Edge	10	251	848.8	-0.06	0.053	30.80	31.50	1.175	0.062	/
	Off		Top Edge	10	251	848.8	0.15	0.107	30.80	31.50	1.175	0.126	/
Down	Off	GPRS (2slots)	Front Side	10	251	848.8	-0.06	0.177	30.80	31.50	1.175	0.208	/
	Off		Back Side	10	251	848.8	-0.09	0.252	30.80	31.50	1.175	**0.296**	3#
	Off		Left Edge	10	251	848.8	0.15	0.214	30.80	31.50	1.175	0.251	/
	Off		Right Edge	10	251	848.8	-0.06	0.134	30.80	31.50	1.175	0.157	/
	Off		Bottom Edge	10	251	848.8	0.15	0.191	30.80	31.50	1.175	0.224	/
Down	Level8&9	GPRS (2slots)	Front Side	10	251	848.8	-0.06	0.141	30.67	31.00	1.080	0.152	/
	Level8&9		Back Side	10	251	848.8	-0.06	0.199	30.67	31.00	1.080	0.215	/
	Level8&9		Left Edge	10	251	848.8	0.15	0.170	30.67	31.00	1.080	0.184	/
	Level8&9		Right Edge	10	251	848.8	0.15	0.106	30.67	31.00	1.080	0.115	/
	Level8&9		Bottom Edge	10	251	848.8	-0.06	0.152	30.67	31.00	1.080	0.164	/

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

10.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Up	Level1	GPRS (2slots)	Left Cheek	0	512	1850.20	0.15	0.237	20.49	21.50	1.263	0.299	/
	Level1		Left Tilt	0	512	1850.20	-0.06	0.233	20.49	21.50	1.263	0.294	/
	Level1		Right Cheek	0	512	1850.20	0.15	0.458	20.49	21.50	1.263	**0.579**	4#
	Level1		Right Tilt	0	512	1850.20	-0.06	0.366	20.49	21.50	1.263	0.462	/
Up	Level2&3	GPRS (2slots)	Left Cheek	0	512	1850.20	0.15	0.195	19.42	20.50	1.284	0.250	/
	Level2&3		Left Tilt	0	512	1850.20	-0.06	0.192	19.42	20.50	1.284	0.246	/
	Level2&3		Right Cheek	0	512	1850.20	0.15	0.377	19.42	20.50	1.284	0.484	/
	Level2&3		Right Tilt	0	512	1850.20	-0.06	0.299	19.42	20.50	1.284	0.384	/
Down	Off	GPRS (4slots)	Left Cheek	0	512	1850.20	-0.14	0.068	25.12	26.00	1.225	0.084	/
	Off		Left Tilt	0	512	1850.20	0.15	0.033	25.12	26.00	1.225	0.041	/
	Off		Right Cheek	0	512	1850.20	0.15	0.120	25.12	26.00	1.225	0.147	/
	Off		Right Tilt	0	512	1850.20	-0.06	0.041	25.12	26.00	1.225	0.050	/
Body-worn Accessory													
Up	Level4	Voice	Front Side	15	512	1850.20	0.15	0.084	26.44	27.50	1.276	0.107	/
	Level4		Back Side	15	512	1850.20	-0.06	0.112	26.44	27.50	1.276	0.143	/
	Level4	GPRS (2slots)	Front Side	15	512	1850.20	-0.06	0.125	23.42	24.50	1.282	0.161	/
	Level4		Back Side	15	512	1850.20	0.03	0.132	23.42	24.50	1.282	**0.169**	5#
Up	Level5&6	Voice	Front Side	15	512	1850.20	0.15	0.066	25.63	26.50	1.222	0.081	/
	Level5&6		Back Side	15	512	1850.20	-0.06	0.089	25.63	26.50	1.222	0.109	/
	Level5&6	GPRS (2slots)	Front Side	15	512	1850.20	-0.18	0.100	22.78	23.50	1.182	0.118	/
	Level5&6		Back Side	15	512	1850.20	-0.10	0.125	22.78	23.50	1.182	0.148	/
Down	Level7	Voice	Front Side	15	512	1850.20	-0.09	0.048	26.44	27.50	1.276	0.061	/
	Level7		Back Side	15	512	1850.20	0.03	0.087	26.44	27.50	1.276	0.111	/
	Level7	GPRS (2slots)	Front Side	15	512	1850.20	-0.18	0.056	23.42	24.50	1.282	0.072	/
	Level7		Back Side	15	512	1850.20	-0.10	0.120	23.42	24.50	1.282	0.154	/
Down	Level8&9	Voice	Front Side	15	512	1850.20	-0.18	0.038	25.63	26.50	1.222	0.047	/
	Level8&9		Back Side	15	512	1850.20	-0.10	0.069	25.63	26.50	1.222	0.084	/
	Level8&9	GPRS (2slots)	Front Side	15	512	1850.20	-0.09	0.045	22.78	23.50	1.182	0.053	/
	Level8&9		Back Side	15	512	1850.20	0.03	0.096	22.78	23.50	1.182	0.113	/
Hotspot													
Up	Level4	GPRS (2slots)	Front Side	10	512	1850.20	-0.18	0.211	23.42	24.50	1.282	0.271	/
	Level4		Back Side	10	512	1850.20	-0.10	0.277	23.42	24.50	1.282	0.355	/
	Level4		Left Edge	10	512	1850.20	-0.09	0.046	23.42	24.50	1.282	0.059	/
	Level4		Right Edge	10	512	1850.20	0.03	0.143	23.42	24.50	1.282	0.183	/
	Level4		Top Edge	10	512	1850.20	-0.18	0.184	23.42	24.50	1.282	0.236	/
Up	Level5&6	GPRS (2slots)	Front Side	10	512	1850.20	-0.10	0.168	22.78	23.50	1.182	0.198	/
	Level5&6		Back Side	10	512	1850.20	-0.09	0.242	22.78	23.50	1.182	0.286	/
	Level5&6		Left Edge	10	512	1850.20	0.03	0.037	22.78	23.50	1.182	0.043	/
	Level5&6		Right Edge	10	512	1850.20	-0.18	0.113	22.78	23.50	1.182	0.134	/
	Level5&6		Top Edge	10	512	1850.20	-0.10	0.146	22.78	23.50	1.182	0.173	/

Down	Level7	GPRS (2slots)	Front Side	10	512	1850.20	-0.09	0.109	23.42	24.50	1.282	0.139	/
	Level7		Back Side	10	512	1850.20	0.03	0.193	23.42	24.50	1.282	0.247	/
	Level7		Left Edge	10	512	1850.20	-0.18	0.029	23.42	24.50	1.282	0.037	/
	Level7		Right Edge	10	512	1850.20	-0.10	0.054	23.42	24.50	1.282	0.069	/
	Level7		Bottom Edge	10	512	1850.20	-0.10	0.415	23.42	24.50	1.282	**0.532**	6#
Down	Level8&9	GPRS (2slots)	Front Side	10	512	1850.20	0.03	0.086	22.78	23.50	1.182	0.102	/
	Level8&9		Back Side	10	512	1850.20	-0.18	0.159	22.78	23.50	1.182	0.188	/
	Level8&9		Left Edge	10	512	1850.20	-0.10	0.023	22.78	23.50	1.182	0.027	/
	Level8&9		Right Edge	10	512	1850.20	-0.09	0.043	22.78	23.50	1.182	0.051	/
	Level8&9		Bottom Edge	10	512	1850.20	0.03	0.323	22.78	23.50	1.182	0.382	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Up	Level1	RMC	Left Cheek	0	9538	1907.6	-0.17	0.320	16.81	18.30	1.409	0.451	/
	Level1		Left Tilt	0	9538	1907.6	-0.09	0.329	16.81	18.30	1.409	0.464	/
	Level1		Right Cheek	0	9538	1907.6	-0.19	0.712	16.81	18.30	1.409	**1.003**	7#
	Level1			0	9262	1852.4	-0.11	0.665	16.76	18.30	1.426	0.948	/
	Level1			0	9400	1880.0	-0.08	0.688	16.77	18.30	1.422	0.979	/
	Level1		Right Tilt	0	9538	1907.6	-0.11	0.641	16.81	18.30	1.409	0.903	/
	Level1			0	9262	1852.4	-0.16	0.589	16.76	18.30	1.426	0.840	/
	Level1			0	9400	1880.0	-0.14	0.601	16.77	18.30	1.422	0.855	/
Up	Level2&3	RMC	Left Cheek	0	9538	1907.6	-0.10	0.258	15.79	17.30	1.416	0.365	/
	Level2&3		Left Tilt	0	9538	1907.6	-0.13	0.275	15.79	17.30	1.416	0.389	/
	Level2&3		Right Cheek	0	9538	1907.6	0.15	0.632	15.79	17.30	1.416	0.895	/
	Level2&3			0	9262	1852.4	-0.07	0.611	15.76	17.30	1.426	0.871	/
	Level2&3			0	9400	1880.0	-0.12	0.602	15.73	17.30	1.435	0.864	/
	Level2&3		Right Tilt	0	9538	1907.6	0.11	0.500	15.76	17.30	1.426	0.713	/
Down	Off	RMC	Left Cheek	0	9538	1907.6	-0.13	0.118	24.02	24.30	1.067	0.126	/
	Off		Left Tilt	0	9538	1907.6	0.03	0.074	24.02	24.30	1.067	0.079	/
	Off		Right Cheek	0	9538	1907.6	-0.02	0.145	24.02	24.30	1.067	0.155	/
	Off		Right Tilt	0	9538	1907.6	-0.11	0.059	24.02	24.30	1.067	0.062	/
Body-worn Accessory													
Up	Level4	RMC	Front Side	15	9538	1907.6	0.03	0.238	19.75	21.30	1.429	**0.340**	8#
	Level4		Back Side	15	9538	1907.6	0.00	0.211	19.75	21.30	1.429	0.301	/
Up	Level5&6	RMC	Front Side	15	9538	1907.6	-0.18	0.192	18.75	20.30	1.429	0.274	/
	Level5&6		Back Side	15	9538	1907.6	0.14	0.175	18.75	20.30	1.429	0.250	/
Down	Level7	RMC	Front Side	15	9538	1907.6	-0.04	0.109	19.75	21.30	1.429	0.155	/
	Level7		Back Side	15	9538	1907.6	-0.05	0.189	19.75	21.30	1.429	0.270	/
Down	Level8&9	RMC	Front Side	15	9538	1907.6	0.09	0.087	18.75	20.30	1.429	0.124	/
	Level8&9		Back Side	15	9538	1907.6	-0.02	0.152	18.75	20.30	1.429	0.217	/
Hotspot													
Up	Level4	RMC	Front Side	10	9538	1907.6	-0.08	0.280	19.75	21.30	1.429	0.400	/
	Level4		Back Side	10	9538	1907.6	-0.14	0.417	19.75	21.30	1.429	0.596	/
	Level4		Left Edge	10	9538	1907.6	-0.10	0.065	19.75	21.30	1.429	0.093	/
	Level4		Right Edge	10	9538	1907.6	0.10	0.174	19.75	21.30	1.429	0.249	/
	Level4		Top Edge	10	9538	1907.6	0.03	0.333	19.75	21.30	1.429	0.476	/
Up	Level5&6	RMC	Front Side	10	9538	1907.6	-0.15	0.222	18.75	20.30	1.429	0.317	/
	Level5&6		Back Side	10	9538	1907.6	-0.04	0.335	18.75	20.30	1.429	0.478	/
	Level5&6		Left Edge	10	9538	1907.6	-0.18	0.052	18.75	20.30	1.429	0.074	/
	Level5&6		Right Edge	10	9538	1907.6	-0.02	0.138	18.75	20.30	1.429	0.197	/
	Level5&6		Top Edge	10	9538	1907.6	0.09	0.234	18.75	20.30	1.429	0.335	/
Down	Level7	RMC	Front Side	10	9538	1907.6	0.15	0.214	19.75	21.30	1.429	0.306	/
	Level7		Back Side	10	9538	1907.6	0.14	0.322	19.75	21.30	1.429	0.460	/

	Level7		Left Edge	10	9538	1907.6	-0.18	0.061	19.75	21.30	1.429	0.087	/
	Level7		Right Edge	10	9538	1907.6	-0.14	0.078	19.75	21.30	1.429	0.111	/
	Level7		Bottom Edge	10	9538	1907.6	0.06	0.648	19.75	21.30	1.429	**0.926**	9#
	Level7			10	9262	1852.4	-0.05	0.632	19.75	21.30	1.429	0.903	/
	Level7			10	9400	1880.0	0.13	0.618	19.75	21.30	1.429	0.883	/
Down	Level8&9	RMC	Front Side	10	9538	1907.6	-0.09	0.139	18.75	20.30	1.429	0.199	/
	Level8&9		Back Side	10	9538	1907.6	-0.18	0.270	18.75	20.30	1.429	0.386	/
	Level8&9		Left Edge	10	9538	1907.6	0.03	0.049	18.75	20.30	1.429	0.069	/
	Level8&9		Right Edge	10	9538	1907.6	-0.11	0.062	18.75	20.30	1.429	0.088	/
	Level8&9		Bottom Edge	10	9538	1907.6	-0.07	0.594	18.75	20.30	1.429	0.849	/
	Level8&9			10	9262	1852.4	0.06	0.502	18.75	20.30	1.429	0.717	/
	Level8&9			10	9400	1880.0	-0.06	0.481	18.75	20.30	1.429	0.687	/
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-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific													
	Level7		Front Side	0	9538	1907.6	-0.13	0.608	19.75	21.30	1.429	0.869	/
	Level7		Back Side	0	9538	1907.6	0.03	1.290	19.75	21.30	1.429	1.843	/
	Level7		Left Edge	0	9538	1907.6	-0.10	0.061	19.75	21.30	1.429	0.087	/
Down	Level7	RMC	Right Edge	0	9538	1907.6	0.19	0.333	19.75	21.30	1.429	0.476	/
	Level7		Bottom Edge	0	9538	1907.6	0.16	1.530	19.75	21.30	1.429	**2.186**	10#
	Level7			0	9262	1852.4	-0.04	1.440	19.75	21.30	1.429	2.058	/
	Level7			0	9400	1880.0	0.12	1.480	19.75	21.30	1.429	2.115	/
	Level8&9		Front Side	0	9538	1907.6	-0.14	0.422	18.75	20.30	1.429	0.603	/
	Level8&9		Back Side	0	9538	1907.6	0.10	0.766	18.75	20.30	1.429	1.095	/
Down	Level8&9	RMC	Left Edge	0	9538	1907.6	0.03	0.041	18.75	20.30	1.429	0.059	/
	Level8&9		Right Edge	0	9538	1907.6	-0.17	0.248	18.75	20.30	1.429	0.354	/
	Level8&9		Bottom Edge	0	9538	1907.6	0.16	1.230	18.75	20.30	1.429	1.758	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Up	Level1	RMC	Left Cheek	0	1312	1712.4	-0.12	0.447	19.44	19.80	1.086	0.486	/
	Level1		Left Tilt	0	1312	1712.4	0.00	0.495	19.44	19.80	1.086	0.538	/
	Level1		Right Cheek	0	1312	1712.4	-0.19	0.873	19.44	19.80	1.086	0.948	/
	Level1			0	1412	1732.4	-0.14	0.787	19.36	19.80	1.107	0.871	/
	Level1			0	1513	1752.6	-0.05	0.916	19.32	19.80	1.117	**1.023**	11#
	Level1		Right Tilt	0	1312	1712.4	-0.13	0.798	23.77	19.80	0.401	0.320	/
	Level1			0	1412	1732.4	0.05	0.754	19.36	19.80	1.107	0.834	/
	Level1			0	1513	1752.6	-0.12	0.823	19.32	19.80	1.117	0.919	/
Up	Level1&2&3	RMC	Left Cheek	0	1312	1712.4	0.09	0.381	18.49	18.80	1.074	0.409	/
	Level1&2&3		Left Tilt	0	1312	1712.4	0.19	0.402	18.49	18.80	1.074	0.432	/
	Level1&2&3		Right Cheek	0	1312	1712.4	-0.07	0.699	18.49	18.80	1.074	0.751	/
	Level1&2&3		Right Tilt	0	1312	1712.4	0.10	0.625	18.49	18.80	1.074	0.671	/
Down	Off	RMC	Left Cheek	0	1412	1732.4	-0.04	0.125	23.77	24.30	1.130	0.141	/
	Off		Left Tilt	0	1412	1732.4	0.00	0.079	23.77	24.30	1.130	0.089	/
	Off		Right Cheek	0	1412	1732.4	0.04	0.152	23.77	24.30	1.130	0.172	/
	Off		Right Tilt	0	1412	1732.4	-0.12	0.063	23.77	24.30	1.130	0.071	/
Body-worn Accessory													
Up	Level4	RMC	Front Side	15	1312	1712.4	0.19	0.133	20.93	22.30	1.371	0.183	/
	Level4		Back Side	15	1312	1712.4	-0.14	0.158	20.93	22.30	1.371	**0.217**	12#
Up	Level5&6	RMC	Front Side	15	1312	1712.4	-0.10	0.105	19.97	21.30	1.358	0.143	/
	Level5&6		Back Side	15	1312	1712.4	0.15	0.119	19.97	21.30	1.358	0.162	/
Down	Level7	RMC	Front Side	15	1312	1712.4	0.02	0.081	20.93	22.30	1.371	0.111	/
	Level7		Back Side	15	1312	1712.4	-0.02	0.140	20.93	22.30	1.371	0.192	/
Down	Level8&9	RMC	Front Side	15	1312	1712.4	-0.11	0.064	19.21	20.30	1.285	0.083	/
	Level8&9		Back Side	15	1312	1712.4	0.06	0.116	19.21	20.30	1.285	0.149	/
Hotspot													
Up	Level4	RMC	Front Side	10	1312	1712.4	0.13	0.226	20.93	22.30	1.371	0.310	/
	Level4		Back Side	10	1312	1712.4	-0.12	0.295	20.93	22.30	1.371	0.405	/
	Level4		Left Edge	10	1312	1712.4	-0.02	0.086	20.93	22.30	1.371	0.119	/
	Level4		Right Edge	10	1312	1712.4	-0.16	0.138	20.93	22.30	1.371	0.189	/
	Level4		Top Edge	10	1312	1712.4	-0.11	0.361	20.93	22.30	1.371	**0.495**	13#
Up	Level5&6	RMC	Front Side	10	1312	1712.4	0.09	0.179	19.97	21.30	1.358	0.244	/
	Level5&6		Back Side	10	1312	1712.4	0.10	0.257	19.97	21.30	1.358	0.349	/
	Level5&6		Left Edge	10	1312	1712.4	-0.06	0.069	19.97	21.30	1.358	0.093	/
	Level5&6		Right Edge	10	1312	1712.4	0.02	0.110	19.97	21.30	1.358	0.149	/
	Level5&6		Top Edge	10	1312	1712.4	0.11	0.251	19.97	21.30	1.358	0.341	/

Down	Level7	RMC	Front Side	10	1312	1712.4	0.18	0.138	20.93	22.30	1.371	0.190	/
	Level7		Back Side	10	1312	1712.4	-0.05	0.242	20.93	22.30	1.371	0.331	/
	Level7		Left Edge	10	1312	1712.4	0.18	0.064	20.93	22.30	1.371	0.087	/
	Level7		Right Edge	10	1312	1712.4	0.14	0.044	20.93	22.30	1.371	0.060	/
	Level7		Bottom Edge	10	1412	1732.4	-0.14	0.296	20.93	22.30	1.371	0.406	/
Down	Level8&9	RMC	Front Side	10	1312	1712.4	0.06	0.117	19.21	20.30	1.285	0.150	/
	Level8&9		Back Side	10	1312	1712.4	0.10	0.217	19.21	20.30	1.285	0.278	/
	Level8&9		Left Edge	10	1312	1712.4	-0.08	0.051	19.21	20.30	1.285	0.065	/
	Level8&9		Right Edge	10	1312	1712.4	0.17	0.035	19.21	20.30	1.285	0.045	/
	Level8&9		Bottom Edge	10	1312	1712.4	0.05	0.234	19.21	20.30	1.285	0.301	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Up	Off	RMC	Left Cheek	0	4132	826.4	0.03	0.212	23.78	24.50	1.180	0.250	/
	Off		Left Tilt	0	4132	826.4	0.12	0.189	23.78	24.50	1.180	0.223	/
	Off		Right Cheek	0	4132	826.4	-0.13	0.457	23.78	24.50	1.180	**0.539**	14#
	Off		Right Tilt	0	4132	826.4	0.08	0.443	23.78	24.50	1.180	0.523	/
Down	Off	RMC	Left Cheek	0	4132	826.4	0.19	0.156	23.78	24.50	1.180	0.184	/
	Off		Left Tilt	0	4132	826.4	0.03	0.081	23.78	24.50	1.180	0.096	/
	Off		Right Cheek	0	4132	826.4	-0.19	0.148	23.78	24.50	1.180	0.175	/
	Off		Right Tilt	0	4132	826.4	0.17	0.081	23.78	24.50	1.180	0.096	/
Body-worn Accessory													
Up	Off	RMC	Front Side	15	4132	826.4	-0.04	0.054	23.78	24.50	1.180	0.064	/
	Off		Back Side	15	4132	826.4	0.04	0.061	23.78	24.50	1.180	0.072	/
Down	Off	RMC	Front Side	15	4132	826.4	-0.05	0.148	23.78	24.50	1.180	0.175	/
	Off		Back Side	15	4132	826.4	0.00	0.167	23.78	24.50	1.180	**0.197**	15#
Down	Level8&9	RMC	Front Side	15	4132	826.4	-0.14	0.094	22.41	23.50	1.285	0.120	/
	Level8&9		Back Side	15	4132	826.4	-0.16	0.128	22.41	23.50	1.285	0.164	/
Hotspot													
Up	Off	RMC	Front Side	10	4132	826.4	0.06	0.070	23.78	24.50	1.180	0.083	/
	Off		Back Side	10	4132	826.4	0.08	0.092	23.78	24.50	1.180	0.109	/
	Off		Left Edge	10	4132	826.4	0.19	0.022	23.78	24.50	1.180	0.026	/
	Off		Right Edge	10	4132	826.4	-0.17	0.047	23.78	24.50	1.180	0.055	/
	Off		Top Edge	10	4132	826.4	0.04	0.088	23.78	24.50	1.180	0.104	/
Down	Off	RMC	Front Side	10	4132	826.4	-0.11	0.142	23.78	24.50	1.180	0.168	/
	Off		Back Side	10	4132	826.4	0.00	0.206	23.78	24.50	1.180	**0.243**	16#
	Off		Left Edge	10	4132	826.4	0.10	0.128	23.78	24.50	1.180	0.151	/
	Off		Right Edge	10	4132	826.4	-0.11	0.116	23.78	24.50	1.180	0.137	/
	Off		Bottom Edge	10	4132	826.4	0.09	0.149	23.78	24.50	1.180	0.176	/
Down	Level8&9	RMC	Front Side	10	4132	826.4	0.18	0.111	22.41	23.50	1.285	0.143	/
	Level8&9		Back Side	10	4132	826.4	0.14	0.154	22.41	23.50	1.285	0.198	/
	Level8&9		Left Edge	10	4132	826.4	-0.08	0.103	22.41	23.50	1.285	0.132	/
	Level8&9		Right Edge	10	4132	826.4	0.09	0.078	22.41	23.50	1.285	0.100	/
	Level8&9		Bottom Edge	10	4132	826.4	0.02	0.129	22.41	23.50	1.285	0.166	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Up	Level1	QPSK	Left Cheek	0	18900	1880	1	Mid	0.12	0.183	15.21	16.00	1.199	0.219	/
	Level1			0	19100	1900	50	Low	0.18	0.256	16.49	18.00	1.416	0.362	/
	Level1		Left Tilt	0	18900	1880	1	Mid	0.19	0.165	15.21	16.00	1.199	0.197	/
	Level1			0	19100	1900	50	Low	0.07	0.230	16.49	18.00	1.416	0.326	/
	Level1		Right Cheek	0	18900	1880	1	Mid	-0.10	0.408	15.21	16.00	1.199	0.489	/
	Level1			0	19100	1900	50	Low	0.03	0.574	16.59	18.00	1.384	**0.794**	17#
	Level1		Right Tilt	0	18900	1880	1	Mid	0.03	0.320	15.21	16.00	1.199	0.384	/
	Level1			0	19100	1900	50	Low	0.00	0.455	16.49	18.00	1.416	0.644	/
Up	Level2&3	QPSK	Left Cheek	0	18900	1880	1	Mid	-0.17	0.145	14.35	15.00	1.161	0.169	/
	Level2&3			0	19100	1900	50	Low	0.06	0.203	15.63	17.00	1.371	0.279	/
	Level2&3		Left Tilt	0	18900	1880	1	Mid	-0.13	0.131	14.35	15.00	1.161	0.152	/
	Level2&3			0	19100	1900	50	Low	-0.18	0.183	15.63	17.00	1.371	0.251	/
	Level2&3		Right Cheek	0	18900	1880	1	Mid	-0.06	0.324	14.35	15.00	1.161	0.376	/
	Level2&3			0	19100	1900	50	Low	-0.11	0.456	15.63	17.00	1.371	0.625	/
	Level2&3		Right Tilt	0	18900	1880	1	Mid	-0.11	0.288	14.35	15.00	1.161	0.334	/
	Level2&3			0	19100	1900	50	Low	0.00	0.373	15.63	17.00	1.371	0.511	/
Down	Off	QPSK	Left Cheek	0	18900	1880	1	Mid	0.06	0.102	22.57	24.00	1.390	0.142	/
	Off			0	18700	1860	50	High	-0.15	0.108	22.79	24.00	1.321	0.143	/
	Off		Left Tilt	0	18900	1880	1	Mid	-0.06	0.066	22.57	24.00	1.390	0.092	/
	Off			0	18700	1860	50	High	0.08	0.068	22.79	24.00	1.321	0.090	/
	Off		Right Cheek	0	18900	1880	1	Mid	-0.02	0.125	22.57	24.00	1.390	0.174	/
	Off			0	18700	1860	50	High	-0.01	0.134	22.79	24.00	1.321	0.177	/
	Off		Right Tilt	0	18900	1880	1	Mid	0.15	0.055	22.57	24.00	1.390	0.076	/
	Off			0	18700	1860	50	High	0.06	0.062	22.79	24.00	1.321	0.082	/
Body-worn Accessory															
Up	Level4	QPSK	Front Side	15	18900	1880	1	Mid	0.04	0.115	18.26	19.00	1.186	0.137	/
	Level4			15	19100	1900	50	Low	0.12	0.142	19.54	21.00	1.400	0.199	/
	Level4		Back Side	15	18900	1880	1	Mid	-0.05	0.152	18.26	19.00	1.186	0.180	/
	Level4			15	19100	1900	50	Low	-0.02	0.196	19.54	21.00	1.400	**0.274**	18#
Up	Level5&6	QPSK	Front Side	15	18900	1880	1	Mid	-0.15	0.092	17.25	18.00	1.189	0.109	/
	Level5&6			15	19100	1900	50	Low	0.02	0.107	18.51	20.00	1.409	0.151	/
	Level5&6		Back Side	15	18900	1880	1	Mid	0.05	0.121	17.25	18.00	1.189	0.143	/
	Level5&6			15	19100	1900	50	Low	0.12	0.151	18.51	20.00	1.409	0.213	/
Down	Level7	QPSK	Front Side	15	18900	1880	1	Mid	-0.01	0.069	18.26	19.00	1.186	0.082	/
	Level7			15	19100	1900	50	Low	0.13	0.085	19.54	21.00	1.400	0.119	/
	Level7		Back Side	15	18900	1880	1	Mid	-0.03	0.133	18.26	19.00	1.186	0.157	/
	Level7			15	19100	1900	50	Low	-0.03	0.156	19.54	21.00	1.400	0.218	/
Down	Level8&9	QPSK	Front Side	15	18900	1880	1	Mid	0.15	0.055	17.25	18.00	1.189	0.065	/
	Level8&9			15	19100	1900	50	Low	-0.17	0.075	18.51	20.00	1.409	0.106	/

	Level8&9		Back Side	15	18900	1880	1	Mid	0.18	0.105	17.25	18.00	1.189	0.125	/
	Level8&9			15	19100	1900	50	Low	0.10	0.126	18.51	20.00	1.409	0.178	/
Hotspot															
Up	Level4	QPSK	Front Side	10	18900	1880	1	Mid	-0.14	0.203	18.26	19.00	1.186	0.241	/
	Level4			10	19100	1900	50	Low	0.08	0.220	19.54	21.00	1.400	0.308	/
	Level4		Back Side	10	18900	1880	1	Mid	0.06	0.296	18.26	19.00	1.186	0.351	/
	Level4			10	19100	1900	50	Low	-0.07	0.313	19.54	21.00	1.400	0.438	/
	Level4		Left Edge	10	18900	1880	1	Mid	0.18	0.047	18.26	19.00	1.186	0.055	/
	Level4			10	19100	1900	50	Low	0.16	0.061	19.54	21.00	1.400	0.085	/
	Level4		Right Edge	10	18900	1880	1	Mid	-0.04	0.132	18.26	19.00	1.186	0.156	/
	Level4			10	19100	1900	50	Low	0.09	0.146	19.54	21.00	1.400	0.205	/
	Level4		Top Edge	10	18900	1880	1	Mid	0.07	0.185	18.26	19.00	1.186	0.219	/
	Level4			10	19100	1900	50	Low	-0.15	0.208	19.54	21.00	1.400	0.291	/
Up	Level5&6	QPSK	Front Side	10	18900	1880	1	Mid	0.03	0.162	17.25	18.00	1.189	0.192	/
	Level5&6			10	19100	1900	50	Low	0.08	0.175	18.51	20.00	1.409	0.246	/
	Level5&6		Back Side	10	18900	1880	1	Mid	0.18	0.235	17.25	18.00	1.189	0.279	/
	Level5&6			10	19100	1900	50	Low	0.09	0.249	18.51	20.00	1.409	0.351	/
	Level5&6		Left Edge	10	18900	1880	1	Mid	0.16	0.037	17.25	18.00	1.189	0.044	/
	Level5&6			10	19100	1900	50	Low	0.10	0.052	18.51	20.00	1.409	0.073	/
	Level5&6		Right Edge	10	18900	1880	1	Mid	0.11	0.105	17.25	18.00	1.189	0.124	/
	Level5&6			10	19100	1900	50	Low	-0.04	0.116	18.51	20.00	1.409	0.164	/
	Level5&6		Top Edge	10	18900	1880	1	Mid	-0.02	0.127	17.25	18.00	1.189	0.151	/
	Level5&6			10	19100	1900	50	Low	-0.10	0.150	18.51	20.00	1.409	0.211	/
Down	Level7	QPSK	Front Side	10	18900	1880	1	Mid	0.12	0.122	18.26	19.00	1.186	0.145	/
	Level7			10	19100	1900	50	Low	0.12	0.146	19.54	21.00	1.400	0.204	/
	Level7		Back Side	10	18900	1880	1	Mid	0.01	0.231	18.26	19.00	1.186	0.273	/
	Level7			10	19100	1900	50	Low	0.04	0.271	19.54	21.00	1.400	0.379	/
	Level7		Left Edge	10	18900	1880	1	Mid	-0.14	0.040	18.26	19.00	1.186	0.048	/
	Level7			10	19100	1900	50	Low	0.11	0.057	19.54	21.00	1.400	0.080	/
	Level7		Right Edge	10	18900	1880	1	Mid	0.13	0.052	18.26	19.00	1.186	0.062	/
	Level7			10	19100	1900	50	Low	-0.17	0.063	19.54	21.00	1.400	0.088	/
	Level7		Bottom Edge	10	18900	1880	1	Mid	0.08	0.309	18.26	19.00	1.186	0.366	/
	Level7			10	19100	1900	50	Low	0.09	0.509	19.54	21.00	1.400	**0.712**	19#
Down	Level8&9	QPSK	Front Side	10	18900	1880	1	Mid	-0.18	0.097	17.25	18.00	1.189	0.115	/
	Level8&9			10	19100	1900	50	Low	-0.11	0.114	18.51	20.00	1.409	0.161	/
	Level8&9		Back Side	10	18900	1880	1	Mid	-0.10	0.182	17.25	18.00	1.189	0.216	/
	Level8&9			10	19100	1900	50	Low	-0.08	0.218	18.51	20.00	1.409	0.307	/
	Level8&9		Left Edge	10	18900	1880	1	Mid	-0.09	0.032	17.25	18.00	1.189	0.038	/
	Level8&9			10	19100	1900	50	Low	-0.16	0.049	18.51	20.00	1.409	0.069	/
	Level8&9		Right Edge	10	18900	1880	1	Mid	0.09	0.041	17.25	18.00	1.189	0.049	/
	Level8&9			10	19100	1900	50	Low	0.14	0.053	18.51	20.00	1.409	0.075	/
	Level8&9		Bottom Edge	10	18900	1880	1	Mid	-0.07	0.268	17.25	18.00	1.189	0.318	/
	Level8&9			10	19100	1900	50	Low	0.12	0.379	18.51	20.00	1.409	0.534	/

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-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Up	Level7	QPSK	Front Side	0	18900	1880	1	Mid	0.04	0.364	18.26	19.00	1.186	0.432	/
	Level7			0	19100	1900	50	Low	-0.17	0.517	19.54	21.00	1.400	0.724	/
	Level7		Back Side	0	18900	1880	1	Mid	-0.11	0.697	18.26	19.00	1.186	0.826	/
	Level7			0	19100	1900	50	Low	0.02	0.953	19.54	21.00	1.400	1.334	/
	Level7		Left Edge	0	18900	1880	1	Mid	0.14	0.043	18.26	19.00	1.186	0.051	/
	Level7			0	19100	1900	50	Low	0.15	0.063	19.54	21.00	1.400	0.088	/
	Level7		Right Edge	0	18900	1880	1	Mid	0.18	0.231	18.26	19.00	1.186	0.274	/
	Level7			0	19100	1900	50	Low	-0.12	0.332	19.54	21.00	1.400	0.465	/
	Level7		Bottom Edge	0	18900	1880	1	Mid	-0.08	1.325	18.26	19.00	1.186	1.571	/
	Level7			0	19100	1900	50	Low	0.18	1.620	19.54	21.00	1.400	**2.267**	20#
	Level7			0	18700	1860	50	Mid	0.02	1.490	19.47	21.00	1.422	2.119	/
	Level7			0	18900	1880	50	Mid	0.01	1.530	19.50	21.00	1.413	2.161	/
	Level7			0	19100	1900	100	LOW	-0.14	1.550	19.48	21.00	1.419	2.200	/
	Level7			0	18700	1860	100	LOW	0.01	1.490	19.43	21.00	1.435	2.139	
	Level7			0	18900	1880	100	LOW	0.05	1.440	19.46	21.00	1.426	2.053	
Up	Level8&9	QPSK	Front Side	0	18900	1880	1	Mid	0.04	0.298	17.25	18.00	1.189	0.354	/
	Level8&9			0	19100	1900	50	Low	0.08	0.399	18.51	20.00	1.409	0.562	/
	Level8&9		Back Side	0	18900	1880	1	Mid	0.03	0.562	17.25	18.00	1.189	0.668	/
	Level8&9			0	19100	1900	50	Low	0.07	0.740	18.51	20.00	1.409	1.043	/
	Level8&9		Left Edge	0	18900	1880	1	Mid	0.06	0.034	17.25	18.00	1.189	0.041	/
	Level8&9			0	19100	1900	50	Low	-0.08	0.050	18.51	20.00	1.409	0.071	/
	Level8&9		Right Edge	0	18900	1880	1	Mid	0.13	0.177	17.25	18.00	1.189	0.210	/
	Level8&9			0	19100	1900	50	Low	0.05	0.248	18.51	20.00	1.409	0.350	/
	Level8&9		Bottom Edge	0	18900	1880	1	Mid	0.02	0.715	17.25	18.00	1.189	0.850	/
	Level8&9			0	19100	1900	50	Low	-0.11	0.912	18.51	20.00	1.409	1.285	/

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

10.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Up	Level1	QPSK	Left Cheek	0	20175	1732.5	1	Mid	0.03	0.298	17.87	18.00	1.030	0.307	/
	Level1			0	20050	1720	50	High	0.14	0.417	19.09	20.50	1.384	0.577	/
	Level1		Left Tilt	0	20175	1732.5	1	Mid	-0.01	0.330	17.87	18.00	1.030	0.340	/
	Level1			0	20050	1720	50	High	0.13	0.462	19.09	20.50	1.384	0.639	/
	Level1		Right Cheek	0	20175	1732.5	1	Mid	-0.07	0.581	17.87	18.00	1.030	0.599	/
	Level1			0	20050	1720	50	High	-0.04	0.811	19.09	20.50	1.384	1.122	/
	Level1			0	20175	1732.5	50	Mid	-0.03	0.855	19.04	20.50	1.400	**1.197**	21#
	Level1			0	20300	1745	50	Mid	0.13	0.705	19.08	20.50	1.387	0.978	/
	Level1			0	20050	1720	100	Low	0.10	0.705	19.02	20.50	1.406	0.991	/
	Level1			0	20175	1732.5	100	Low	0.02	0.689	18.95	20.50	1.429	0.985	/
	Level1			0	20300	1745	100	Low	0.11	0.702	19.00	20.50	1.413	0.992	/
	Level1		Right Tilt	0	20175	1732.5	1	Mid	-0.04	0.532	17.87	18.00	1.030	0.548	/
	Level1			0	20050	1720	50	High	-0.11	0.745	19.09	20.50	1.384	1.030	/
	Level1			0	20175	1732.5	50	Mid	-0.19	0.756	19.04	20.50	1.400	1.058	/
	Level1			0	20300	1745	50	Mid	0.12	0.705	19.08	20.50	1.387	0.978	/
	Level1			0	20050	1720	100	Low	0.12	0.712	19.02	20.50	1.406	1.001	/
	Level1			0	20175	1732.5	100	Low	-0.14	0.710	18.95	20.50	1.429	1.015	/
	Level1			0	20300	1745	100	Low	-0.07	0.688	19.00	20.50	1.413	0.972	/
Up	Level2&3	QPSK	Left Cheek	0	20175	1732.5	1	Mid	0.05	0.241	16.93	17.00	1.016	0.245	/
	Level2&3			0	20050	1720	50	High	0.17	0.342	18.13	19.50	1.371	0.469	/
	Level2&3		Left Tilt	0	20175	1732.5	1	Mid	-0.18	0.271	16.93	17.00	1.016	0.275	/
	Level2&3			0	20050	1720	50	High	-0.12	0.371	18.13	19.50	1.371	0.509	/
	Level2&3		Right Cheek	0	20175	1732.5	1	Mid	0.01	0.477	16.93	17.00	1.016	0.485	/
	Level2&3			0	20050	1720	50	High	0.05	0.653	18.13	19.50	1.371	0.895	/
	Level2&3			0	20175	1732.5	50	Mid	0.12	0.663	18.10	19.50	1.380	0.915	/
	Level2&3			0	20300	1745	50	Mid	-0.16	0.570	18.12	19.50	1.374	0.783	/
	Level2&3			0	20050	1720	100	Low	-0.12	0.625	18.02	19.50	1.406	0.879	/
	Level2&3			0	20175	1732.5	100	Low	-0.04	0.621	18.00	19.50	1.413	0.877	/
	Level2&3			0	20300	1745	100	Low	-0.06	0.608	18.01	19.50	1.409	0.857	/
	Level2&3		Right Tilt	0	20175	1732.5	1	Mid	0.13	0.432	16.93	17.00	1.016	0.439	/
	Level2&3			0	20050	1720	50	High	-0.09	0.602	18.13	19.50	1.371	0.825	/
	Level2&3			0	20175	1732.5	50	Mid	0.08	0.611	18.10	19.50	1.380	0.843	/
	Level2&3			0	20300	1745	50	Mid	0.13	0.571	18.12	19.50	1.374	0.785	/
	Level2&3			0	20050	1720	100	Low	-0.07	0.575	18.02	19.50	1.406	0.808	/
	Level2&3			0	20175	1732.5	100	Low	-0.12	0.568	18.00	19.50	1.413	0.802	/
	Level2&3			0	20300	1745	100	Low	0.05	0.571	18.01	19.50	1.409	0.805	/
Down	Off	QPSK	Left Cheek	0	20175	1732.5	1	Mid	0.12	0.112	22.66	24.00	1.361	0.152	/
	Off			0	20300	1745	50	Mid	0.02	0.125	22.91	24.00	1.285	0.161	/
	Off		Left Tilt	0	20175	1732.5	1	Mid	0.17	0.077	22.66	24.00	1.361	0.105	/

	Off			0	20300	1745	50	Mid	0.15	0.088	22.91	24.00	1.285	0.113	/
	Off		Right	0	20175	1732.5	1	Mid	0.18	0.139	22.66	24.00	1.361	0.189	/
	Off		Cheek	0	20300	1745	50	Mid	0.02	0.154	22.91	24.00	1.285	0.198	/
	Off		Right Tilt	0	20175	1732.5	1	Mid	-0.07	0.062	22.66	24.00	1.361	0.084	/
	Off			0	20300	1745	50	Mid	0.13	0.070	22.91	24.00	1.285	0.090	/
Body-worn Accessory															
Up	Level4	QPSK	Front Side	15	20175	1732.5	1	Mid	0.12	0.088	19.35	19.50	1.035	0.091	/
	Level4			15	20050	1720	50	Mid	0.06	0.112	20.63	22.00	1.371	0.154	/
	Level4		Back Side	15	20175	1732.5	1	Mid	0.07	0.079	19.35	19.50	1.035	0.082	/
	Level4			15	20050	1720	50	Mid	-0.16	0.110	20.63	22.00	1.371	0.151	/
Up	Level5&6	QPSK	Front Side	15	20175	1732.5	1	Mid	0.11	0.070	18.37	18.50	1.030	0.072	/
	Level5&6			15	20050	1720	50	Mid	0.09	0.093	19.61	21.00	1.377	0.128	/
	Level5&6		Back Side	15	20175	1732.5	1	Mid	-0.14	0.077	18.37	18.50	1.030	0.080	/
	Level5&6			15	20050	1720	50	Mid	0.08	0.102	19.61	21.00	1.377	0.140	/
Down	Level7	QPSK	Front Side	15	20175	1732.5	1	Mid	0.02	0.055	18.37	18.50	1.030	0.057	/
	Level7			15	20050	1720	50	Mid	-0.06	0.073	19.61	21.00	1.377	0.100	/
	Level7		Back Side	15	20175	1732.5	1	Mid	0.05	0.094	18.37	18.50	1.030	0.097	/
	Level7			15	20050	1720	50	Mid	0.01	0.112	19.61	21.00	1.377	**0.154**	22#
Down	Level8&9	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.11	0.044	17.66	18.00	1.081	0.047	/
	Level8&9			15	20175	1732.5	50	Mid	0.02	0.058	18.88	20.00	1.294	0.075	/
	Level8&9		Back Side	15	20175	1732.5	1	Mid	0.07	0.074	17.66	18.00	1.081	0.081	/
	Level8&9			15	20175	1732.5	50	Mid	-0.10	0.098	18.88	20.00	1.294	0.127	/
Hotspot															
Up	Level4	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.02	0.160	19.35	19.50	1.035	0.165	/
	Level4			10	20050	1720	50	Mid	-0.01	0.211	20.63	22.00	1.371	0.289	/
	Level4		Back Side	10	20175	1732.5	1	Mid	-0.06	0.188	19.35	19.50	1.035	0.195	/
	Level4			10	20050	1720	50	Mid	-0.18	0.218	20.63	22.00	1.371	**0.299**	23#
	Level4		Left Edge	10	20175	1732.5	1	Mid	0.12	0.057	19.35	19.50	1.035	0.059	/
	Level4			10	20050	1720	50	Mid	0.19	0.076	20.63	22.00	1.371	0.104	/
	Level4		Right Edge	10	20175	1732.5	1	Mid	-0.02	0.097	19.35	19.50	1.035	0.100	/
	Level4			10	20050	1720	50	Mid	-0.19	0.127	20.63	22.00	1.371	0.175	/
	Level4		Top Edge	10	20175	1732.5	1	Mid	0.11	0.185	19.35	19.50	1.035	0.192	/
	Level4			10	20050	1720	50	Mid	-0.10	0.207	20.63	22.00	1.371	0.284	/
Up	Level5&6	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.01	0.122	18.37	18.50	1.030	0.126	/
	Level5&6			10	20050	1720	50	Mid	-0.14	0.171	19.61	21.00	1.377	0.236	/
	Level5&6		Back Side	10	20175	1732.5	1	Mid	0.12	0.152	18.37	18.50	1.030	0.157	/
	Level5&6			10	20050	1720	50	Mid	-0.13	0.175	19.61	21.00	1.377	0.241	/
	Level5&6		Left Edge	10	20175	1732.5	1	Mid	-0.06	0.048	18.37	18.50	1.030	0.049	/
	Level5&6			10	20050	1720	50	Mid	-0.02	0.062	19.61	21.00	1.377	0.085	/
	Level5&6		Right Edge	10	20175	1732.5	1	Mid	-0.03	0.079	18.37	18.50	1.030	0.081	/
	Level5&6			10	20050	1720	50	Mid	-0.16	0.105	19.61	21.00	1.377	0.145	/
	Level5&6		Top Edge	10	20175	1732.5	1	Mid	-0.08	0.152	18.37	18.50	1.030	0.157	/
	Level5&6			10	20050	1720	50	Mid	-0.01	0.166	19.61	21.00	1.377	0.229	/
Down	Level7	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.03	0.064	18.37	18.50	1.030	0.066	/
	Level7			10	20050	1720	50	Mid	0.05	0.085	19.61	21.00	1.377	0.117	/

	Level7		Back Side	10	20175	1732.5	1	Mid	-0.08	0.123	18.37	18.50	1.030	0.127	/
	Level7			10	20050	1720	50	Mid	-0.12	0.164	19.61	21.00	1.377	0.226	/
	Level7		Left Edge	10	20175	1732.5	1	Mid	-0.03	0.029	18.37	18.50	1.030	0.030	/
	Level7			10	20050	1720	50	Mid	-0.13	0.039	19.61	21.00	1.377	0.053	/
	Level7		Right Edge	10	20175	1732.5	1	Mid	0.17	0.023	18.37	18.50	1.030	0.023	/
	Level7			10	20050	1720	50	Mid	-0.11	0.030	19.61	21.00	1.377	0.041	/
	Level7		Bottom Edge	10	20175	1732.5	1	Mid	-0.08	0.096	18.37	18.50	1.030	0.099	/
	Level7			10	20050	1720	50	Mid	-0.14	0.132	19.61	21.00	1.377	0.182	/
Down	Level8&9	QPSK	Front Side	10	20175	1732.5	1	Mid	0.12	0.058	17.66	18.00	1.081	0.063	/
	Level8&9			10	20175	1732.5	50	Mid	-0.07	0.069	18.88	20.00	1.294	0.089	/
	Level8&9		Back Side	10	20175	1732.5	1	Mid	-0.06	0.105	17.66	18.00	1.081	0.114	/
	Level8&9			10	20175	1732.5	50	Mid	0.00	0.132	18.88	20.00	1.294	0.171	/
	Level8&9		Left Edge	10	20175	1732.5	1	Mid	-0.16	0.024	17.66	18.00	1.081	0.026	/
	Level8&9			10	20175	1732.5	50	Mid	0.07	0.035	18.88	20.00	1.294	0.045	/
	Level8&9		Right Edge	10	20175	1732.5	1	Mid	-0.18	0.019	17.66	18.00	1.081	0.021	/
	Level8&9			10	20175	1732.5	50	Mid	-0.13	0.025	18.88	20.00	1.294	0.032	/
	Level8&9		Bottom Edge	10	20175	1732.5	1	Mid	0.07	0.077	17.66	18.00	1.081	0.083	/
	Level8&9			10	20175	1732.5	50	Mid	-0.08	0.105	18.88	20.00	1.294	0.136	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Up	Off	QPSK	Left Cheek	0	20525	836.5	1	Mid	0.01	0.219	22.45	24.30	1.531	0.336	/
	Off			0	20450	829	50	High	-0.05	0.290	22.75	24.30	1.429	0.414	/
	Off		Left Tilt	0	20525	836.5	1	Mid	-0.18	0.196	22.45	24.30	1.531	0.300	/
	Off			0	20450	829	50	High	-0.13	0.258	22.75	24.30	1.429	0.369	/
	Off		Right Cheek	0	20525	836.5	1	Mid	-0.17	0.303	22.45	24.30	1.531	0.464	/
	Off			0	20450	829	50	High	-0.10	0.363	22.75	24.30	1.429	**0.519**	24#
	Off		Right Tilt	0	20525	836.5	1	Mid	-0.02	0.289	22.45	24.30	1.531	0.442	/
	Off			0	20450	829	50	High	-0.06	0.332	22.75	24.30	1.429	0.474	/
Up	Level2&3	QPSK	Left Cheek	0	20525	836.5	1	Low	0.04	0.185	20.39	21.30	1.233	0.228	/
	Level2&3			0	20450	829	50	Mid	0.07	0.242	21.67	23.30	1.455	0.352	/
	Level2&3		Left Tilt	0	20525	836.5	1	Low	-0.04	0.165	20.39	21.30	1.233	0.203	/
	Level2&3			0	20450	829	50	Mid	-0.07	0.215	21.67	23.30	1.455	0.313	/
	Level2&3		Right Cheek	0	20525	836.5	1	Low	0.19	0.246	20.39	21.30	1.233	0.303	/
	Level2&3			0	20450	829	50	Mid	0.03	0.286	21.67	23.30	1.455	0.416	/
	Level2&3		Right Tilt	0	20525	836.5	1	Low	-0.07	0.238	20.39	21.30	1.233	0.293	/
	Level2&3			0	20450	829	50	Mid	0.10	0.271	21.67	23.30	1.455	0.394	/
Down	Off	QPSK	Left Cheek	0	20525	836.5	1	Mid	-0.17	0.125	22.45	24.30	1.531	0.191	/
	Off			0	20450	829	50	High	-0.03	0.144	22.75	24.30	1.429	0.206	/
	Off		Left Tilt	0	20525	836.5	1	Mid	0.03	0.077	22.45	24.30	1.531	0.118	/
	Off			0	20450	829	50	High	-0.11	0.090	22.75	24.30	1.429	0.129	/
	Off		Right Cheek	0	20525	836.5	1	Mid	0.12	0.114	22.45	24.30	1.531	0.175	/
	Off			0	20450	829	50	High	-0.06	0.138	22.75	24.30	1.429	0.197	/
	Off		Right Tilt	0	20525	836.5	1	Mid	0.01	0.069	22.45	24.30	1.531	0.106	/
	Off			0	20450	829	50	High	0.18	0.085	22.75	24.30	1.429	0.121	/
Body-worn Accessory															
Up	Off	QPSK	Front Side	15	20525	836.5	1	Mid	0.07	0.025	22.45	24.30	1.531	0.038	/
	Off			15	20450	829	50	High	0.01	0.034	22.75	24.30	1.429	0.049	/
	Off		Back Side	15	20525	836.5	1	Mid	-0.03	0.045	22.45	24.30	1.531	0.069	/
	Off			15	20450	829	50	High	0.18	0.062	22.75	24.30	1.429	0.089	/
Up	Level5&6	QPSK	Front Side	15	20525	836.5	1	Low	0.04	0.022	20.39	21.30	1.233	0.027	/
	Level5&6			15	20450	829	50	Mid	0.17	0.029	21.67	23.30	1.455	0.042	/
	Level5&6		Back Side	15	20525	836.5	1	Low	0.03	0.039	20.39	21.30	1.233	0.048	/
	Level5&6			15	20450	829	50	Mid	-0.05	0.052	21.67	23.30	1.455	0.076	/
Down	Off	QPSK	Front Side	15	20525	836.5	1	Mid	0.05	0.083	22.45	24.30	1.531	0.127	/
	Off			15	20450	829	50	High	0.18	0.110	22.75	24.30	1.429	0.157	/
	Off		Back Side	15	20525	836.5	1	Mid	0.01	0.105	22.45	24.30	1.531	0.161	/
	Off			15	20450	829	50	High	-0.05	0.136	22.75	24.30	1.429	**0.194**	25#
Down	Level8&9	QPSK	Front Side	15	20525	836.5	1	Low	-0.02	0.066	20.39	21.30	1.233	0.081	/
	Level8&9			15	20450	829	50	Mid	-0.10	0.087	21.67	23.30	1.455	0.127	/

	Level8&9		Back Side	15	20525	836.5	1	Low	0.13	0.010	20.39	21.30	1.233	0.012	/
	Level8&9			15	20450	829	50	Mid	-0.17	0.121	21.67	23.30	1.455	0.175	/
Hotspot															
Up	Off	QPSK	Front Side	10	20525	836.5	1	Mid	0.03	0.033	22.45	24.30	1.531	0.051	/
	Off			10	20450	829	50	High	-0.12	0.044	22.75	24.30	1.429	0.062	/
	Off		Back Side	10	20525	836.5	1	Mid	-0.02	0.055	22.45	24.30	1.531	0.084	/
	Off			10	20450	829	50	High	-0.06	0.073	22.75	24.30	1.429	0.104	/
	Off		Left Edge	10	20525	836.5	1	Mid	-0.17	0.022	22.45	24.30	1.531	0.034	/
	Off			10	20450	829	50	High	-0.04	0.029	22.75	24.30	1.429	0.041	/
	Off		Right Edge	10	20525	836.5	1	Mid	-0.07	0.017	22.45	24.30	1.531	0.026	/
	Off			10	20450	829	50	High	-0.09	0.022	22.75	24.30	1.429	0.032	/
	Off		Top Edge	10	20525	836.5	1	Mid	0.01	0.065	22.45	24.30	1.531	0.100	/
	Off			10	20450	829	50	High	-0.15	0.086	22.75	24.30	1.429	0.123	/
Up	Level5&6	QPSK	Front Side	10	20525	836.5	1	Low	-0.02	0.028	20.39	21.30	1.233	0.035	/
	Level5&6			10	20450	829	50	Mid	0.00	0.039	21.67	23.30	1.455	0.057	/
	Level5&6		Back Side	10	20525	836.5	1	Low	0.19	0.045	20.39	21.30	1.233	0.055	/
	Level5&6			10	20450	829	50	Mid	-0.12	0.061	21.67	23.30	1.455	0.089	/
	Level5&6		Left Edge	10	20525	836.5	1	Low	0.11	0.018	20.39	21.30	1.233	0.022	/
	Level5&6			10	20450	829	50	Mid	-0.15	0.025	21.67	23.30	1.455	0.036	/
	Level5&6		Right Edge	10	20525	836.5	1	Low	0.15	0.015	20.39	21.30	1.233	0.018	/
	Level5&6			10	20450	829	50	Mid	0.14	0.019	21.67	23.30	1.455	0.028	/
	Level5&6		Top Edge	10	20525	836.5	1	Low	-0.11	0.055	20.39	21.30	1.233	0.068	/
	Level5&6			10	20450	829	50	Mid	-0.13	0.071	21.67	23.30	1.455	0.103	/
Down	Off	QPSK	Front Side	10	20525	836.5	1	Mid	-0.02	0.098	22.45	24.30	1.531	0.150	/
	Off			10	20450	829	50	High	-0.06	0.129	22.75	24.30	1.429	0.185	/
	Off		Back Side	10	20525	836.5	1	Mid	-0.05	0.123	22.45	24.30	1.531	0.188	/
	Off			10	20450	829	50	High	-0.07	0.146	22.75	24.30	1.429	**0.209**	26#
	Off		Left Edge	10	20525	836.5	1	Mid	0.06	0.102	22.45	24.30	1.531	0.156	/
	Off			10	20450	829	50	High	-0.06	0.135	22.75	24.30	1.429	0.192	/
	Off		Right Edge	10	20525	836.5	1	Mid	0.01	0.072	22.45	24.30	1.531	0.110	/
	Off			10	20450	829	50	High	0.04	0.095	22.75	24.30	1.429	0.136	/
	Off		Bottom Edge	10	20525	836.5	1	Mid	0.11	0.102	22.45	24.30	1.531	0.156	/
	Off			10	20450	829	50	High	0.08	0.135	22.75	24.30	1.429	0.192	/
Down	Level8&9	QPSK	Front Side	10	20525	836.5	1	Low	0.06	0.078	20.39	21.30	1.233	0.096	/
	Level8&9			10	20450	829	50	Mid	0.18	0.103	21.67	23.30	1.455	0.150	/
	Level8&9		Back Side	10	20525	836.5	1	Low	0.10	0.104	20.39	21.30	1.233	0.128	/
	Level8&9			10	20450	829	50	Mid	-0.13	0.137	21.67	23.30	1.455	0.200	/
	Level8&9		Left Edge	10	20525	836.5	1	Low	0.00	0.081	20.39	21.30	1.233	0.100	/
	Level8&9			10	20450	829	50	Mid	-0.14	0.107	21.67	23.30	1.455	0.156	/
	Level8&9		Right Edge	10	20525	836.5	1	Low	-0.03	0.057	20.39	21.30	1.233	0.071	/
	Level8&9			10	20450	829	50	Mid	0.05	0.075	21.67	23.30	1.455	0.110	/
	Level8&9		Bottom Edge	10	20525	836.5	1	Low	-0.09	0.081	20.39	21.30	1.233	0.100	/
	Level8&9			10	20450	829	50	Mid	0.18	0.107	21.67	23.30	1.455	0.156	/

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

10.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Up	Level1	QPSK	Left Cheek	0	21100	2535	1	Mid	0.06	0.285	14.06	15.30	1.330	0.380	/
	Level1			0	21100	2535	50	Mid	-0.13	0.283	14.05	15.30	1.334	0.378	/
	Level1		Left Tilt	0	21100	2535	1	Mid	-0.10	0.317	14.06	15.30	1.330	0.422	/
	Level1			0	21100	2535	50	Mid	0.03	0.316	14.05	15.30	1.334	0.421	/
	Level1		Right Cheek	0	21100	2535	1	Mid	0.02	0.481	14.06	15.30	1.330	0.640	/
	Level1			0	21100	2535	50	Mid	0.18	0.471	14.05	15.30	1.334	0.628	/
	Level1		Right Tilt	0	21100	2535	1	Mid	0.08	0.594	14.06	15.30	1.330	**0.790**	27#
	Level1			0	21100	2535	50	Mid	0.04	0.577	14.05	15.30	1.334	0.769	/
Up	Level2&3	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.02	0.235	13.22	14.30	1.282	0.301	/
	Level2&3			0	21100	2535	50	Mid	-0.04	0.228	13.21	14.30	1.285	0.293	/
	Level2&3		Left Tilt	0	21100	2535	1	Mid	0.16	0.256	13.22	14.30	1.282	0.328	/
	Level2&3			0	21100	2535	50	Mid	0.19	0.254	13.21	14.30	1.285	0.326	/
	Level2&3		Right Cheek	0	21100	2535	1	Mid	0.19	0.392	13.22	14.30	1.282	0.503	/
	Level2&3			0	21100	2535	50	Mid	-0.18	0.384	13.21	14.30	1.285	0.494	/
	Level2&3		Right Tilt	0	21100	2535	1	Mid	0.08	0.466	13.22	14.30	1.282	0.598	/
	Level2&3			0	21100	2535	50	Mid	-0.07	0.457	13.21	14.30	1.285	0.587	/
Down	Off	QPSK	Left Cheek	0	20850	2510	1	Mid	-0.13	0.387	23.65	23.80	1.035	0.401	/
	Off			0	20850	2510	50	High	-0.13	0.322	22.64	22.80	1.038	0.334	/
	Off		Left Tilt	0	20850	2510	1	Mid	-0.16	0.145	23.65	23.80	1.035	0.150	/
	Off			0	20850	2510	50	High	0.00	0.113	22.64	22.80	1.038	0.117	/
	Off		Right Cheek	0	20850	2510	1	Mid	-0.18	0.187	23.65	23.80	1.035	0.194	/
	Off			0	20850	2510	50	High	0.14	0.127	22.64	22.80	1.038	0.132	/
	Off		Right Tilt	0	20850	2510	1	Mid	0.07	0.199	23.65	23.80	1.035	0.206	/
	Off			0	20850	2510	50	High	-0.10	0.135	22.64	22.80	1.038	0.140	/
Body-worn Accessory															
Up	Level4	QPSK	Front Side	15	21100	2535	1	Mid	0.18	0.121	18.77	19.80	1.268	0.153	/
	Level4			15	20850	2510	50	High	-0.14	0.112	18.64	19.80	1.306	0.146	/
	Level4		Back Side	15	21100	2535	1	Mid	0.18	0.212	18.77	19.80	1.268	**0.269**	28#
	Level4			15	20850	2510	50	High	-0.07	0.198	18.64	19.80	1.306	0.259	/
Up	Level5&6	QPSK	Front Side	15	21100	2535	1	Mid	-0.11	0.096	17.72	18.80	1.282	0.123	/
	Level5&6			15	20850	2510	50	Mid	-0.04	0.094	17.69	18.80	1.291	0.121	/
	Level5&6		Back Side	15	21100	2535	1	Mid	-0.02	0.145	17.72	18.80	1.282	0.186	/
	Level5&6			15	20850	2510	50	Mid	-0.06	0.135	17.69	18.80	1.291	0.174	/
Down	Level7	QPSK	Front Side	15	21100	2535	1	Mid	-0.05	0.086	18.77	19.80	1.268	0.109	/
	Level7			15	20850	2510	50	High	-0.13	0.071	18.64	19.80	1.306	0.093	/
	Level7		Back Side	15	21100	2535	1	Mid	-0.09	0.095	18.77	19.80	1.268	0.121	/
	Level7			15	20850	2510	50	High	0.13	0.081	18.64	19.80	1.306	0.106	/
Down	Level8&9	QPSK	Front Side	15	21100	2535	1	Mid	-0.07	0.068	17.72	18.80	1.282	0.087	/
	Level8&9			15	20850	2510	50	Mid	-0.03	0.057	17.69	18.80	1.291	0.073	/

	Level8&9		Back Side	15	21100	2535	1	Mid	0.14	0.076	17.72	18.80	1.282	0.097	/
	Level8&9			15	20850	2510	50	Mid	-0.11	0.064	17.69	18.80	1.291	0.083	/
Hotspot															
Up	Off	QPSK	Front Side	10	21100	2535	1	Mid	-0.08	0.231	18.77	19.80	1.268	0.293	/
	Off			10	20850	2510	50	High	-0.09	0.244	18.64	19.80	1.306	0.319	/
	Off		Back Side	10	21100	2535	1	Mid	-0.10	0.460	18.77	19.80	1.268	0.583	/
	Off			10	20850	2510	50	High	0.18	0.461	18.64	19.80	1.306	0.602	/
	Off		Left Edge	10	21100	2535	1	Mid	0.18	0.035	18.77	19.80	1.268	0.044	/
	Off			10	20850	2510	50	High	0.13	0.034	18.64	19.80	1.306	0.044	/
	Off		Right Edge	10	21100	2535	1	Mid	0.16	0.069	18.77	19.80	1.268	0.087	/
	Off			10	20850	2510	50	High	0.15	0.068	18.64	19.80	1.306	0.089	/
	Off		Top Edge	10	21100	2535	1	Mid	-0.03	0.626	18.77	19.80	1.268	**0.794**	29#
	Off			10	20850	2510	50	High	0.09	0.602	18.64	19.80	1.306	0.786	/
Up	Level5&6	QPSK	Front Side	10	21100	2535	1	Mid	-0.02	0.188	17.72	18.80	1.282	0.241	/
	Level5&6			10	20850	2510	50	Mid	0.10	0.195	17.69	18.80	1.291	0.252	/
	Level5&6		Back Side	10	21100	2535	1	Mid	-0.07	0.362	17.72	18.80	1.282	0.464	/
	Level5&6			10	20850	2510	50	Mid	-0.10	0.358	17.69	18.80	1.291	0.462	/
	Level5&6		Left Edge	10	21100	2535	1	Mid	-0.19	0.029	17.72	18.80	1.282	0.037	/
	Level5&6			10	20850	2510	50	Mid	0.16	0.026	17.69	18.80	1.291	0.034	/
	Level5&6		Right Edge	10	21100	2535	1	Mid	0.16	0.058	17.72	18.80	1.282	0.074	/
	Level5&6			10	20850	2510	50	Mid	-0.19	0.055	17.69	18.80	1.291	0.071	/
	Level5&6		Top Edge	10	21100	2535	1	Mid	0.05	0.501	17.72	18.80	1.282	0.642	/
	Level5&6			10	20850	2510	50	Mid	-0.17	0.493	17.69	18.80	1.291	0.637	/
Down	Off	QPSK	Front Side	10	21100	2535	1	Mid	-0.16	0.171	18.77	19.80	1.268	0.217	/
	Off			10	20850	2510	50	High	-0.13	0.168	18.64	19.80	1.306	0.219	/
	Off		Back Side	10	21100	2535	1	Mid	0.14	0.198	18.77	19.80	1.268	0.251	/
	Off			10	20850	2510	50	High	0.15	0.185	18.64	19.80	1.306	0.242	/
	Off		Left Edge	10	21100	2535	1	Mid	0.10	0.022	18.77	19.80	1.268	0.028	/
	Off			10	20850	2510	50	High	-0.13	0.020	18.64	19.80	1.306	0.026	/
	Off		Right Edge	10	21100	2535	1	Mid	0.13	0.186	18.77	19.80	1.268	0.236	/
	Off			10	20850	2510	50	High	-0.08	0.184	18.64	19.80	1.306	0.240	/
	Off		Bottom Edge	10	21100	2535	1	Mid	-0.14	0.198	18.77	19.80	1.268	0.251	/
	Off			10	20850	2510	50	High	0.04	0.193	18.64	19.80	1.306	0.252	/
Down	Level8&9	QPSK	Front Side	10	21100	2535	1	Mid	0.10	0.135	17.72	18.80	1.282	0.173	/
	Level8&9			10	20850	2510	50	Mid	-0.05	0.128	17.69	18.80	1.291	0.165	/
	Level8&9		Back Side	10	21100	2535	1	Mid	-0.03	0.160	17.72	18.80	1.282	0.205	/
	Level8&9			10	20850	2510	50	Mid	0.01	0.158	17.69	18.80	1.291	0.204	/
	Level8&9		Left Edge	10	21100	2535	1	Mid	-0.09	0.032	17.72	18.80	1.282	0.041	/
	Level8&9			10	20850	2510	50	Mid	-0.05	0.029	17.69	18.80	1.291	0.037	/
	Level8&9		Right Edge	10	21100	2535	1	Mid	-0.12	0.126	17.72	18.80	1.282	0.162	/
	Level8&9			10	20850	2510	50	Mid	0.02	0.118	17.69	18.80	1.291	0.152	/
	Level8&9		Bottom Edge	10	21100	2535	1	Mid	0.19	0.166	17.72	18.80	1.282	0.213	/
	Level8&9			10	20850	2510	50	Mid	0.10	0.159	17.69	18.80	1.291	0.205	/

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

10.10 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Up	Level1	QPSK	Left Cheek	0	38150	2610	1	Mid	-0.15	0.400	19.12	20.00	1.225	0.489	/
	Level1			0	38150	2610	1	Mid	-0.11	0.397	18.97	20.00	1.268	0.503	/
	Level1		Left Tilt	0	38150	2610	1	Mid	-0.01	0.444	19.12	20.00	1.225	0.544	/
	Level1			0	38150	2610	1	Mid	0.05	0.442	18.97	20.00	1.268	0.560	/
	Level1		Right Cheek	0	38150	2610	1	Mid	0.16	0.664	19.12	20.00	1.225	0.813	/
	Level1			0	37850	2580	1	Mid	0.12	0.673	19.00	20.00	1.259	0.847	/
	Level1			0	38000	2595	1	Mid	-0.03	0.684	19.01	20.00	1.256	0.859	/
	Level1			0	38150	2610	50	Mid	0.09	0.651	18.97	20.00	1.268	0.825	/
	Level1			0	37850	2580	50	Mid	-0.16	0.665	18.95	20.00	1.274	0.847	/
	Level1			0	38000	2595	50	Mid	0.12	0.673	18.95	20.00	1.274	0.857	/
	Level1			0	38000	2595	100	Low	-0.15	0.661	18.89	20.00	1.291	0.853	/
	Level1			0	37850	2580	100	Low	-0.12	0.623	18.88	20.00	1.294	0.806	/
	Level1			0	38150	2610	100	Low	0.15	0.635	18.87	20.00	1.297	0.824	/
	Level1		Right Tilt	0	38150	2610	1	Mid	0.00	0.836	19.12	20.00	1.225	**1.024**	30#
	Level1			0	37850	2580	1	Mid	0.11	0.762	19.00	20.00	1.259	0.959	/
	Level1			0	38000	2595	1	Mid	-0.14	0.791	19.01	20.00	1.256	0.993	/
	Level1			0	38150	2610	50	Mid	-0.02	0.799	18.97	20.00	1.268	1.013	/
	Level1			0	37850	2580	50	Mid	-0.06	0.748	18.95	20.00	1.274	0.953	/
	Level1			0	38000	2595	50	Mid	-0.02	0.788	18.95	20.00	1.274	1.004	/
	Level1			0	38000	2595	100	Low	0.14	0.762	18.89	20.00	1.291	0.984	/
	Level1			0	37850	2580	100	Low	0.05	0.729	18.88	20.00	1.294	0.943	/
	Level1			0	38150	2610	100	Low	0.14	0.738	18.87	20.00	1.297	0.957	/
Up	Level2&3	QPSK	Left Cheek	0	38150	2610	1	Mid	-0.08	0.323	17.85	19.00	1.303	0.421	/
	Level2&3			0	37850	2580	50	Mid	-0.13	0.315	17.77	19.00	1.327	0.418	/
	Level2&3		Left Tilt	0	38150	2610	1	Mid	-0.18	0.362	17.85	19.00	1.303	0.472	/
	Level2&3			0	37850	2580	50	Mid	-0.10	0.358	17.77	19.00	1.327	0.475	/
	Level2&3		Right Cheek	0	38150	2610	1	Mid	0.08	0.531	17.85	19.00	1.303	0.692	/
	Level2&3			0	37850	2580	50	Mid	-0.12	0.521	17.77	19.00	1.327	0.692	/
	Level2&3		Right Tilt	0	38150	2610	1	Mid	0.09	0.678	17.85	19.00	1.303	0.884	/
	Level2&3			0	37850	2580	1	Mid	0.00	0.612	17.75	19.00	1.334	0.816	/
	Level2&3			0	38000	2595	1	Mid	-0.14	0.632	17.73	19.00	1.340	0.847	/
	Level2&3			0	37850	2580	50	Mid	0.06	0.668	17.77	19.00	1.327	0.887	/
	Level2&3			0	38000	2595	50	Mid	0.10	0.605	17.74	19.00	1.337	0.809	/
	Level2&3			0	38150	2610	50	Mid	0.12	0.631	17.72	19.00	1.343	0.847	/
	Level2&3			0	38000	2595	100	Low	-0.05	0.648	17.68	19.00	1.355	0.878	/
	Level2&3			0	37850	2580	100	Low	-0.01	0.618	17.65	19.00	1.365	0.843	/
	Level2&3			0	38150	2610	100	Low	0.05	0.630	17.67	19.00	1.358	0.856	/
Down	Off	QPSK	Left Cheek	0	38150	2610	1	Mid	-0.14	0.392	23.03	24.00	1.250	0.490	/
	Off			0	38000	2595	50	Mid	0.13	0.381	22.98	24.00	1.265	0.482	/

	Off		Left Tilt	0	38150	2610	1	Mid	0.18	0.152	23.03	24.00	1.250	0.190	/
	Off			0	38000	2595	50	Mid	-0.18	0.148	22.98	24.00	1.265	0.187	/
	Off		Right Cheek	0	38150	2610	1	Mid	-0.19	0.199	23.03	24.00	1.250	0.249	/
	Off			0	38000	2595	50	Mid	-0.04	0.189	22.98	24.00	1.265	0.239	/
	Off		Right Tilt	0	38150	2610	1	Mid	-0.04	0.215	23.03	24.00	1.250	0.269	/
	Off			0	38000	2595	50	Mid	0.18	0.211	22.98	24.00	1.265	0.267	/
Body-worn Accessory															
Up	Off	QPSK	Front Side	15	38150	2610	1	Mid	0.10	0.164	23.03	24.00	1.250	0.205	/
	Off			15	38000	2595	50	Mid	-0.14	0.153	22.98	24.00	1.265	0.194	/
	Off		Back Side	15	38150	2610	1	Mid	-0.14	0.226	23.03	24.00	1.250	**0.283**	31#
	Off			15	38000	2595	50	Mid	-0.09	0.204	22.98	24.00	1.265	0.258	/
Up	Level5&6	QPSK	Front Side	15	38150	2610	1	Mid	0.16	0.130	22.20	23.00	1.202	0.157	/
	Level5&6			15	38000	2595	50	Mid	-0.16	0.126	22.07	23.00	1.239	0.156	/
	Level5&6		Back Side	15	38150	2610	1	Mid	-0.12	0.191	22.20	23.00	1.202	0.230	/
	Level5&6			15	38000	2595	50	Mid	0.16	0.184	22.07	23.00	1.239	0.228	/
Down	Level7	QPSK	Front Side	15	38150	2610	1	Mid	0.00	0.126	22.20	23.00	1.202	0.152	/
	Level7			15	38000	2595	50	Mid	0.03	0.118	22.07	23.00	1.239	0.146	/
	Level7		Back Side	15	38150	2610	1	Mid	-0.09	0.137	22.20	23.00	1.202	0.164	/
	Level7			15	38000	2595	50	Mid	0.15	0.125	22.07	23.00	1.239	0.155	/
Down	Level8&9	QPSK	Front Side	15	38150	2610	1	Mid	-0.14	0.100	21.29	22.00	1.178	0.118	/
	Level8&9			15	38000	2595	50	Mid	-0.18	0.095	21.19	22.00	1.205	0.114	/
	Level8&9		Back Side	15	38150	2610	1	Mid	-0.13	0.109	21.29	22.00	1.178	0.128	/
	Level8&9			15	38000	2595	50	Mid	0.04	0.105	21.19	22.00	1.205	0.127	/
Hotspot															
Up	Off	QPSK	Front Side	10	38150	2610	1	Mid	0.02	0.302	23.03	24.00	1.250	0.378	/
	Off			10	38000	2595	50	Mid	0.19	0.295	22.98	24.00	1.265	0.373	/
	Off		Back Side	10	38150	2610	1	Mid	0.18	0.633	23.03	24.00	1.250	**0.791**	32#
	Off			10	38000	2595	50	Mid	0.19	0.597	22.98	24.00	1.265	0.755	/
	Off		Left Edge	10	38150	2610	1	Mid	-0.16	0.055	23.03	24.00	1.250	0.069	/
	Off			10	38000	2595	50	Mid	0.05	0.054	22.98	24.00	1.265	0.068	/
	Off		Right Edge	10	38150	2610	1	Mid	-0.03	0.088	23.03	24.00	1.250	0.110	/
	Off			10	38000	2595	50	Mid	0.02	0.086	22.98	24.00	1.265	0.109	/
	Off		Top Edge	10	38150	2610	1	Mid	0.16	0.468	23.03	24.00	1.250	0.585	/
	Off			10	38000	2595	50	Mid	-0.06	0.457	22.98	24.00	1.265	0.578	/
Up	Level5&6	QPSK	Front Side	10	38150	2610	1	Mid	0.09	0.255	22.20	23.00	1.202	0.307	/
	Level5&6			10	38000	2595	50	Mid	-0.17	0.259	22.07	23.00	1.239	0.321	/
	Level5&6		Back Side	10	38150	2610	1	Mid	0.14	0.387	22.20	23.00	1.202	0.465	/
	Level5&6			10	38000	2595	50	Mid	-0.11	0.402	22.07	23.00	1.239	0.498	/
	Level5&6		Left Edge	10	38150	2610	1	Mid	0.16	0.040	22.20	23.00	1.202	0.048	/
	Level5&6			10	38000	2595	50	Mid	0.03	0.042	22.07	23.00	1.239	0.052	/
	Level5&6		Right Edge	10	38150	2610	1	Mid	0.04	0.070	22.20	23.00	1.202	0.084	/
	Level5&6			10	38000	2595	50	Mid	-0.11	0.067	22.07	23.00	1.239	0.083	/
	Level5&6		Top Edge	10	38150	2610	1	Mid	-0.11	0.543	22.20	23.00	1.202	0.653	/
	Level5&6			10	38000	2595	50	Mid	-0.17	0.588	22.07	23.00	1.239	0.728	/
Down	Level7	QPSK	Front Side	10	38150	2610	1	Mid	-0.07	0.222	22.20	23.00	1.202	0.266	/

	Level7			10	38000	2595	50	Mid	-0.03	0.205	22.07	23.00	1.239	0.254	/
	Level7		Back Side	10	38150	2610	1	Mid	-0.13	0.250	22.20	23.00	1.202	0.301	/
	Level7			10	38000	2595	50	Mid	-0.13	0.242	22.07	23.00	1.239	0.300	/
	Level7		Left Edge	10	38150	2610	1	Mid	-0.09	0.052	22.20	23.00	1.202	0.063	/
	Level7			10	38000	2595	50	Mid	-0.02	0.048	22.07	23.00	1.239	0.059	/
	Level7		Right Edge	10	38150	2610	1	Mid	-0.14	0.189	22.20	23.00	1.202	0.227	/
	Level7			10	38000	2595	50	Mid	-0.12	0.175	22.07	23.00	1.239	0.217	/
	Level7		Bottom	10	38150	2610	1	Mid	-0.10	0.210	22.20	23.00	1.202	0.252	/
	Level7		Edge	10	38000	2595	50	Mid	-0.03	0.205	22.07	23.00	1.239	0.254	/
Down	Level8&9	QPSK	Front Side	10	38150	2610	1	Mid	-0.17	0.176	21.29	22.00	1.178	0.207	/
	Level8&9			10	38000	2595	50	Mid	-0.13	0.168	21.19	22.00	1.205	0.202	/
	Level8&9		Back Side	10	38150	2610	1	Mid	0.17	0.209	21.29	22.00	1.178	0.247	/
	Level8&9			10	38000	2595	50	Mid	-0.07	0.200	21.19	22.00	1.205	0.241	/
	Level8&9		Left Edge	10	38150	2610	1	Mid	-0.07	0.042	21.29	22.00	1.178	0.049	/
	Level8&9			10	38000	2595	50	Mid	-0.11	0.038	21.19	22.00	1.205	0.046	/
	Level8&9		Right Edge	10	38150	2610	1	Mid	0.10	0.150	21.29	22.00	1.178	0.177	/
	Level8&9			10	38000	2595	50	Mid	-0.11	0.145	21.19	22.00	1.205	0.175	/
	Level8&9		Bottom	10	38150	2610	1	Mid	-0.14	0.167	21.29	22.00	1.178	0.197	/
	Level8&9		Edge	10	38000	2595	50	Mid	-0.16	0.158	21.19	22.00	1.205	0.190	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.11 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Up	Level1	QPSK	Left Cheek	0	41140	2645	1	Mid	0.00	0.352	18.68	20.00	1.355	0.477	/
	Level1			0	40140	2545	50	Mid	-0.09	0.341	18.61	20.00	1.377	0.470	/
	Level1		Left Tilt	0	41140	2645	1	Mid	0.02	0.425	18.68	20.00	1.355	0.576	/
	Level1			0	40140	2545	50	Mid	-0.19	0.417	18.61	20.00	1.377	0.574	/
	Level1		Right Cheek	0	41140	2645	1	Mid	-0.13	0.587	18.68	20.00	1.355	0.795	/
	Level1			0	40140	2545	50	Mid	0.01	0.566	18.61	20.00	1.377	0.780	/
	Level1		Right Tilt	0	41140	2645	1	Mid	-0.03	0.774	18.68	20.00	1.355	1.049	/
	Level1			0	40140	2545	1	Mid	-0.19	0.750	18.59	20.00	1.384	1.038	/
	Level1			0	40765	2593	1	Mid	0.07	0.738	18.57	20.00	1.390	1.026	/
	Level1			0	40140	2545	50	Mid	-0.05	0.805	18.61	20.00	1.377	**1.109**	33#
	Level1			0	40765	2593	50	Mid	0.16	0.735	18.57	20.00	1.390	1.022	/
	Level1			0	41140	2645	50	Low	-0.08	0.778	18.56	20.00	1.393	1.084	/
	Level1			0	40140	2545	100	Low	0.07	0.748	18.53	20.00	1.403	1.049	/
	Level1			0	40765	2593	100	Low	0.03	0.713	18.47	20.00	1.422	1.014	/
	Level1			0	41140	2645	100	Low	-0.11	0.722	18.46	20.00	1.426	1.029	/
Up	Level2&3	QPSK	Left Cheek	0	41140	2645	1	Mid	-0.18	0.286	17.96	19.00	1.271	0.363	/
	Level2&3			0	40140	2545	50	Mid	-0.01	0.274	17.78	19.00	1.324	0.363	/
	Level2&3		Left Tilt	0	41140	2645	1	Mid	-0.11	0.352	17.96	19.00	1.271	0.447	/
	Level2&3			0	40140	2545	50	Mid	0.18	0.345	17.78	19.00	1.324	0.457	/
	Level2&3		Right Cheek	0	41140	2645	1	Mid	-0.11	0.475	17.96	19.00	1.271	0.604	/
	Level2&3			0	40140	2545	50	Mid	0.05	0.462	17.78	19.00	1.324	0.612	/
	Level2&3		Right Tilt	0	41140	2645	1	Mid	0.14	0.623	17.96	19.00	1.271	0.792	/
	Level2&3			0	40140	2545	50	Mid	0.13	0.599	17.78	19.00	1.324	0.793	/
Down	Off	QPSK	Left Cheek	0	41140	2645	1	Mid	-0.13	0.381	23.45	24.00	1.135	0.432	/
	Off			0	40765	2593	50	Low	-0.08	0.327	22.36	23.00	1.159	0.379	/
	Off		Left Tilt	0	41140	2645	1	Mid	-0.06	0.148	23.45	24.00	1.135	0.168	/
	Off			0	40765	2593	50	Low	0.16	0.124	22.36	23.00	1.159	0.144	/
	Off		Right Cheek	0	41140	2645	1	Mid	0.08	0.185	23.45	24.00	1.135	0.210	/
	Off			0	40765	2593	50	Low	0.08	0.137	22.36	23.00	1.159	0.159	/
	Off		Right Tilt	0	41140	2645	1	Mid	0.16	0.202	23.45	24.00	1.135	0.229	/
	Off			0	40765	2593	50	Low	-0.09	0.172	22.36	23.00	1.159	0.199	/
Body-worn Accessory															
Up	Off	QPSK	Front Side	15	41140	2645	1	Mid	-0.06	0.155	23.45	24.00	1.135	0.176	/
	Off			15	40765	2593	50	Low	-0.10	0.128	22.36	23.00	1.159	0.148	/
	Off		Back Side	15	41140	2645	1	Mid	-0.12	0.240	23.45	24.00	1.135	**0.272**	34#
	Off			15	40765	2593	50	Low	-0.02	0.183	22.36	23.00	1.159	0.212	/
Up	Level5&6	QPSK	Front Side	15	41140	2645	1	Mid	-0.04	0.123	21.86	23.00	1.300	0.160	/
	Level5&6			15	40765	2593	50	Mid	-0.17	0.102	21.77	23.00	1.327	0.135	/
	Level5&6		Back Side	15	41140	2645	1	Mid	0.19	0.179	21.86	23.00	1.300	0.232	/

	Level5&6			15	40765	2593	50	Mid	0.17	0.145	21.77	23.00	1.327	0.193	/
Down	Level7	QPSK	Front Side	15	41140	2645	1	Mid	0.02	0.143	21.00	22.00	1.259	0.180	/
	Level7			15	40765	2593	50	Mid	-0.11	0.102	20.92	22.00	1.282	0.131	/
	Level7		Back Side	15	41140	2645	1	Mid	-0.08	0.168	21.00	22.00	1.259	0.211	/
	Level7			15	40765	2593	50	Mid	-0.16	0.128	20.92	22.00	1.282	0.164	/
Down	Level8&9	QPSK	Front Side	15	41140	2645	1	Mid	0.13	0.118	19.93	21.00	1.279	0.151	/
	Level8&9			15	40140	2545	50	Mid	-0.04	0.089	19.90	21.00	1.288	0.115	/
	Level8&9		Back Side	15	41140	2645	1	Mid	-0.11	0.135	19.93	21.00	1.279	0.173	/
	Level8&9			15	40140	2545	50	Mid	-0.17	0.105	19.90	21.00	1.288	0.135	/
Hotspot															
Up	Off	QPSK	Front Side	10	41140	2645	1	Mid	0.08	0.300	23.45	24.00	1.135	0.341	/
	Off			10	40765	2593	50	Low	-0.07	0.234	22.36	23.00	1.159	0.271	/
	Off		Back Side	10	41140	2645	1	Mid	-0.02	0.584	23.45	24.00	1.135	0.663	/
	Off			10	40765	2593	50	Low	0.02	0.493	22.36	23.00	1.159	0.571	/
	Off		Left Edge	10	41140	2645	1	Mid	-0.16	0.045	23.45	24.00	1.135	0.051	/
	Off			10	40765	2593	50	Low	-0.09	0.032	22.36	23.00	1.159	0.037	/
	Off		Right Edge	10	41140	2645	1	Mid	-0.10	0.083	23.45	24.00	1.135	0.094	/
	Off			10	40765	2593	50	Low	-0.04	0.068	22.36	23.00	1.159	0.079	/
	Off		Top Edge	10	41140	2645	1	Mid	0.01	0.585	23.45	24.00	1.135	**0.664**	35#
	Off			10	40765	2593	50	Low	0.03	0.505	22.36	23.00	1.159	0.585	/
Up	Level5&6	QPSK	Front Side	10	41140	2645	1	Mid	-0.01	0.242	21.86	23.00	1.300	0.315	/
	Level5&6			10	40765	2593	50	Mid	-0.12	0.189	21.77	23.00	1.327	0.251	/
	Level5&6		Back Side	10	41140	2645	1	Mid	0.13	0.485	21.86	23.00	1.300	0.631	/
	Level5&6			10	40765	2593	50	Mid	-0.01	0.406	21.77	23.00	1.327	0.539	/
	Level5&6		Left Edge	10	41140	2645	1	Mid	-0.04	0.038	21.86	23.00	1.300	0.049	/
	Level5&6			10	40765	2593	50	Mid	0.05	0.026	21.77	23.00	1.327	0.035	/
	Level5&6		Right Edge	10	41140	2645	1	Mid	-0.14	0.069	21.86	23.00	1.300	0.090	/
	Level5&6			10	40765	2593	50	Mid	0.05	0.054	21.77	23.00	1.327	0.072	/
	Level5&6		Top Edge	10	41140	2645	1	Mid	-0.19	0.481	21.86	23.00	1.300	0.625	/
	Level5&6			10	40765	2593	50	Mid	-0.06	0.412	21.77	23.00	1.327	0.547	/
Down	Level7	QPSK	Front Side	10	41140	2645	1	Mid	-0.03	0.207	21.00	22.00	1.259	0.261	/
	Level7			10	40765	2593	50	Mid	0.16	0.168	20.92	22.00	1.282	0.215	/
	Level7		Back Side	10	41140	2645	1	Mid	0.19	0.276	21.00	22.00	1.259	0.347	/
	Level7			10	40765	2593	50	Mid	-0.05	0.247	20.92	22.00	1.282	0.317	/
	Level7		Left Edge	10	41140	2645	1	Mid	0.14	0.047	21.00	22.00	1.259	0.059	/
	Level7			10	40765	2593	50	Mid	-0.18	0.035	20.92	22.00	1.282	0.045	/
	Level7		Right Edge	10	41140	2645	1	Mid	0.03	0.173	21.00	22.00	1.259	0.218	/
	Level7			10	40765	2593	50	Mid	0.12	0.141	20.92	22.00	1.282	0.181	/
	Level7		Bottom Edge	10	41140	2645	1	Mid	-0.05	0.189	21.00	22.00	1.259	0.238	/
	Level7			10	40765	2593	50	Mid	0.10	0.152	20.92	22.00	1.282	0.195	/
Down	Level8&9	QPSK	Front Side	10	41140	2645	1	Mid	-0.16	0.171	19.93	21.00	1.279	0.219	/
	Level8&9			10	40140	2545	50	Mid	0.04	0.142	19.90	21.00	1.288	0.183	/
	Level8&9		Back Side	10	41140	2645	1	Mid	-0.15	0.225	19.93	21.00	1.279	0.288	/
	Level8&9			10	40140	2545	50	Mid	0.04	0.199	19.90	21.00	1.288	0.256	/
	Level8&9		Left Edge	10	41140	2645	1	Mid	-0.02	0.035	19.93	21.00	1.279	0.045	/

	Level8&9			10	40140	2545	50	Mid	-0.08	0.025	19.90	21.00	1.288	0.032	/
	Level8&9		Right Edge	10	41140	2645	1	Mid	0.04	0.142	19.93	21.00	1.279	0.182	/
	Level8&9			10	40140	2545	50	Mid	0.11	0.118	19.90	21.00	1.288	0.152	/
	Level8&9		Bottom	10	41140	2645	1	Mid	-0.17	0.162	19.93	21.00	1.279	0.207	/
	Level8&9		Edge	10	40140	2545	50	Mid	0.10	0.128	19.90	21.00	1.288	0.165	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.12 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														
802.11 b	Off	Left Cheek	0	6	2437	0.04	0.460	15.30	16.00	1.175	99.30	1.007	**0.544**	36#
	Off	Left Tilt	0	6	2437	-0.12	0.401	15.30	16.00	1.175	99.30	1.007	0.474	/
	Off	Right Cheek	0	6	2437	0.13	0.191	15.30	16.00	1.175	99.30	1.007	0.226	/
	Off	Right Tilt	0	6	2437	0.11	0.164	15.30	16.00	1.175	99.30	1.007	0.194	/
802.11 b	Level2	Left Cheek	0	6	2437	0.07	0.382	14.15	15.00	1.216	99.30	1.007	0.468	/
	Level2	Left Tilt	0	6	2437	-0.16	0.363	14.15	15.00	1.216	99.30	1.007	0.445	/
	Level2	Right Cheek	0	6	2437	-0.18	0.155	14.15	15.00	1.216	99.30	1.007	0.190	/
	Level2	Right Tilt	0	6	2437	-0.18	0.138	14.15	15.00	1.216	99.30	1.007	0.169	/
Body-worn Accessory														
802.11 b	Off	Front Side	15	6	2437	0.10	0.025	15.30	16.00	1.175	99.30	1.007	0.040	/
	Off	Back Side	15	6	2437	0.14	0.051	15.30	16.00	1.175	99.30	1.007	**0.081**	37#
802.11 b	Leve4	Front Side	15	6	2437	-0.08	0.018	14.15	15.00	1.216	99.30	1.007	0.029	/
	Leve4	Back Side	15	6	2437	0.13	0.039	14.15	15.00	1.216	99.30	1.007	0.062	/
Hotspot														
802.11 b	Off	Front Side	10	6	2437	-0.02	0.068	15.30	16.00	1.175	99.30	1.007	0.108	/
	Off	Back Side	10	6	2437	0.00	0.128	15.30	16.00	1.175	99.30	1.007	**0.203**	38#
	Off	Left Edge	10	6	2437	-0.01	0.075	15.30	16.00	1.175	99.30	1.007	0.119	/
	Off	Right Edge	10	6	2437	-0.16	0.022	15.30	16.00	1.175	99.30	1.007	0.035	/
	Off	Top Edge	10	6	2437	0.08	0.078	15.30	16.00	1.175	99.30	1.007	0.124	/
802.11 b	Leve4	Front Side	10	6	2437	-0.15	0.057	14.15	15.00	1.216	99.30	1.007	0.090	/
	Leve4	Back Side	10	6	2437	-0.12	0.099	14.15	15.00	1.216	99.30	1.007	0.157	/
	Leve4	Left Edge	10	6	2437	-0.07	0.062	14.15	15.00	1.216	99.30	1.007	0.098	/
	Leve4	Right Edge	10	6	2437	-0.18	0.015	14.15	15.00	1.216	99.30	1.007	0.024	/
	Leve4	Top Edge	10	6	2437	0.14	0.060	14.15	15.00	1.216	99.30	1.007	0.095	/

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

10.13 WIFI 5GHz

Fre. Band	Mode	Power Reduction	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
5.3G	802.11 a	Level1	Left Cheek	0	52	5260	0.19	0.645	13.57	14.00	1.104	95.65	1.045	0.745	/
		Level1	Left Tilt	0	52	5260	0.02	0.730	13.57	14.00	1.104	95.65	1.045	**0.843**	39#
		Level1		0	60	5300	0.10	0.715	13.53	14.00	1.114	95.65	1.045	0.833	/
		Level1		0	64	5320	-0.14	0.723	13.60	14.00	1.096	95.65	1.045	0.829	/
		Level1	Right Cheek	0	52	5260	-0.14	0.355	13.57	14.00	1.104	95.65	1.045	0.410	/
		Level1	Right Tilt	0	52	5260	0.13	0.421	13.57	14.00	1.104	95.65	1.045	0.486	/
5.3G	802.11 a	Level2	Left Cheek	0	52	5260	-0.13	0.486	11.73	12.00	1.064	95.65	1.045	0.540	/
		Level2	Left Tilt	0	52	5260	-0.09	0.554	11.73	12.00	1.064	95.65	1.045	0.616	/
		Level2	Right Cheek	0	52	5260	0.15	0.266	11.73	12.00	1.064	95.65	1.045	0.296	/
		Level2	Right Tilt	0	52	5260	-0.04	0.317	11.73	12.00	1.064	95.65	1.045	0.352	/
5.6G	802.11 a	Level1	Left Cheek	0	116	5580	0.10	0.692	12.75	13.00	1.059	95.65	1.045	0.766	/
		Level1	Left Tilt	0	116	5580	-0.01	0.794	12.75	13.00	1.059	95.65	1.045	**0.879**	40#
		Level1		0	100	5500	-0.14	0.758	12.71	13.00	1.069	95.65	1.045	0.847	/
		Level1		0	140	5700	0.18	0.766	12.65	13.00	1.084	95.65	1.045	0.868	/
		Level1	Right Cheek	0	116	5580	0.16	0.345	12.75	13.00	1.059	95.65	1.045	0.382	/
		Level1	Right Tilt	0	116	5580	0.18	0.462	12.75	13.00	1.059	95.65	1.045	0.512	/
5.6G	802.11 a	Level2	Left Cheek	0	116	5580	-0.01	0.388	10.80	11.00	1.047	95.65	1.045	0.425	/
		Level2	Left Tilt	0	116	5580	0.05	0.446	10.80	11.00	1.047	95.65	1.045	0.488	/
		Level2	Right Cheek	0	116	5580	0.03	0.213	10.80	11.00	1.047	95.65	1.045	0.233	/
		Level2	Right Tilt	0	116	5580	0.14	0.253	10.80	11.00	1.047	95.65	1.045	0.277	/
5.8G	802.11 a	Level1	Left Cheek	0	149	5745	-0.10	0.660	13.63	14.00	1.089	95.65	1.045	0.751	/
		Level1	Left Tilt	0	149	5745	-0.17	0.803	13.63	14.00	1.089	95.65	1.045	**0.914**	41#
		Level1		0	157	5785	-0.05	0.781	13.61	14.00	1.094	95.65	1.045	0.893	/
		Level1		0	165	5825	0.09	0.788	13.48	14.00	1.127	95.65	1.045	0.929	/
		Level1	Right Cheek	0	149	5745	0.04	0.382	13.63	14.00	1.089	95.65	1.045	0.434	/
		Level1	Right Tilt	0	149	5745	0.03	0.454	13.63	14.00	1.089	95.65	1.045	0.517	/
5.8G	802.11 a	Level2	Left Cheek	0	149	5745	0.02	0.416	11.57	12.00	1.104	95.65	1.045	0.481	/
		Level2	Left Tilt	0	149	5745	-0.10	0.507	11.57	12.00	1.104	95.65	1.045	0.585	/
		Level2	Right Cheek	0	149	5745	0.14	0.241	11.57	12.00	1.104	95.65	1.045	0.278	/
		Level2	Right Tilt	0	149	5745	-0.17	0.287	11.57	12.00	1.104	95.65	1.045	0.331	/
Body-worn Accessory															
5.3G	802.11 a	Level3	Front Side	15	52	5260	0.19	0.038	15.61	16.00	1.094	95.65	1.045	0.043	/
		Level3	Back Side	15	52	5260	-0.14	0.127	15.61	16.00	1.094	95.65	1.045	**0.145**	42#
5.3G	802.11 a	Level4	Front Side	15	52	5260	0.16	0.025	13.57	14.00	1.104	95.65	1.045	0.029	/
		Level4	Back Side	15	52	5260	-0.02	0.083	13.57	14.00	1.104	95.65	1.045	0.096	/
5.6G	802.11 a	Level3	Front Side	15	116	5580	0.04	0.070	14.75	15.00	1.059	95.65	1.045	0.077	/
		Level3	Back Side	15	116	5580	0.16	0.275	14.75	15.00	1.059	95.65	1.045	**0.305**	43#
5.6G	802.11 a	Level4	Front Side	15	116	5580	-0.12	0.046	12.75	13.00	1.059	95.65	1.045	0.051	/
		Level4	Back Side	15	116	5580	-0.09	0.181	12.75	13.00	1.059	95.65	1.045	0.200	/

5.8G	802.11 a	Level3	Front Side	15	149	5745	0.13	0.037	15.37	16.00	1.156	95.65	1.045	0.044	/
		Level3	Back Side	15	149	5745	0.15	0.117	15.37	16.00	1.156	95.65	1.045	**0.141**	44#
5.8G	802.11 a	Level4	Front Side	15	149	5745	0.13	0.020	13.63	14.00	1.089	95.65	1.045	0.023	/
		Level4	Back Side	15	149	5745	-0.12	0.077	13.63	14.00	1.089	95.65	1.045	0.088	/
Hotspot															
5.2G	802.11 a	Level3	Front Side	10	40	5200	-0.09	0.055	15.81	16.00	1.045	95.65	1.045	0.060	/
		Level3	Back Side	10	40	5200	-0.08	0.215	15.81	16.00	1.045	95.65	1.045	0.235	/
		Level3	Left Edge	10	40	5200	0.03	0.205	15.81	16.00	1.045	95.65	1.045	0.224	/
		Level3	Right Edge	10	40	5200	0.14	0.020	15.81	16.00	1.045	95.65	1.045	0.022	/
		Level3	Top Edge	10	40	5200	0.09	0.253	15.81	16.00	1.045	95.65	1.045	**0.276**	45#
5.2G	802.11 a	Level4	Front Side	10	48	5240	0.05	0.037	13.77	14.00	1.054	95.65	1.045	0.041	/
		Level4	Back Side	10	48	5240	0.05	0.142	13.77	14.00	1.054	95.65	1.045	0.157	/
		Level4	Left Edge	10	48	5240	0.01	0.132	13.77	14.00	1.054	95.65	1.045	0.146	/
		Level4	Right Edge	10	48	5240	0.17	0.015	13.77	14.00	1.054	95.65	1.045	0.017	/
		Level4	Top Edge	10	48	5240	-0.14	0.168	13.77	14.00	1.054	95.65	1.045	0.185	/
5.8G	802.11 a	Level3	Front Side	10	149	5745	0.17	0.066	15.37	16.00	1.156	95.65	1.045	0.080	/
		Level3	Back Side	10	149	5745	0.09	0.215	15.37	16.00	1.156	95.65	1.045	0.260	/
		Level3	Left Edge	10	149	5745	-0.01	0.260	15.37	16.00	1.156	95.65	1.045	0.314	/
		Level3	Right Edge	10	149	5745	0.09	0.035	15.37	16.00	1.156	95.65	1.045	0.042	/
		Level3	Top Edge	10	149	5745	-0.15	0.272	15.37	16.00	1.156	95.65	1.045	**0.329**	46#
5.8G	802.11 a	Level4	Front Side	10	149	5745	0.16	0.045	13.63	14.00	1.089	95.65	1.045	0.051	/
		Level4	Back Side	10	149	5745	-0.18	0.178	13.63	14.00	1.089	95.65	1.045	0.203	/
		Level4	Left Edge	10	149	5745	0.13	0.169	13.63	14.00	1.089	95.65	1.045	0.192	/
		Level4	Right Edge	10	149	5745	0.12	0.026	13.63	14.00	1.089	95.65	1.045	0.030	/
		Level4	Top Edge	10	149	5745	-0.15	0.145	13.63	14.00	1.089	95.65	1.045	0.165	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Fre. Band	Mode	Power Reduction	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
5.3G	802.11 a	Level3	Front Side	0	52	5260	-0.09	0.650	15.61	16.00	1.094	95.65	1.045	0.744	/
		Level3	Back Side	0	52	5260	0.03	0.270	15.61	16.00	1.094	95.65	1.045	0.309	/
		Level3	Left Edge	0	52	5260	-0.09	0.700	15.61	16.00	1.094	95.65	1.045	0.801	/
		Level3	Right Edge	0	52	5260	0.08	0.133	15.61	16.00	1.094	95.65	1.045	0.152	/
		Level3	Top Edge	0	52	5260	-0.19	0.812	15.61	16.00	1.094	95.65	1.045	**0.929**	47#
		Level3	Bottom Edge	0	52	5260	0.05	0.007	15.61	16.00	1.094	95.65	1.045	0.008	/
5.3G	802.11 a	Level4	Front Side	0	52	5260	-0.10	0.415	13.57	14.00	1.104	95.65	1.045	0.479	/
		Level4	Back Side	0	52	5260	-0.09	0.182	13.57	14.00	1.104	95.65	1.045	0.210	/
		Level4	Left Edge	0	52	5260	-0.04	0.449	13.57	14.00	1.104	95.65	1.045	0.518	/
		Level4	Right Edge	0	52	5260	-0.16	0.092	13.57	14.00	1.104	95.65	1.045	0.106	/
		Level4	Top Edge	0	52	5260	0.16	0.523	13.57	14.00	1.104	95.65	1.045	0.604	/
		Level4	Bottom Edge	0	52	5260	0.05	0.004	13.57	14.00	1.104	95.65	1.045	0.005	/
5.6G	802.11 a	Level3	Front Side	0	116	5580	-0.12	0.427	14.75	15.00	1.059	95.65	1.045	0.473	/
		Level3	Back Side	0	116	5580	0.13	0.253	14.75	15.00	1.059	95.65	1.045	0.280	/
		Level3	Left Edge	0	116	5580	-0.09	0.491	14.75	15.00	1.059	95.65	1.045	0.544	/
		Level3	Right Edge	0	116	5580	0.00	0.181	14.75	15.00	1.059	95.65	1.045	0.200	/
		Level3	Top Edge	0	116	5580	-0.17	0.665	14.75	15.00	1.059	95.65	1.045	**0.736**	48#
		Level3	Bottom Edge	0	116	5580	0.01	0.008	14.75	15.00	1.059	95.65	1.045	0.009	/
5.6G	802.11 a	Level4	Front Side	0	116	5580	0.08	0.278	12.75	13.00	1.059	95.65	1.045	0.308	/
		Level4	Back Side	0	116	5580	-0.02	0.162	12.75	13.00	1.059	95.65	1.045	0.179	/
		Level4	Left Edge	0	116	5580	-0.09	0.325	12.75	13.00	1.059	95.65	1.045	0.360	/
		Level4	Right Edge	0	116	5580	-0.17	0.118	12.75	13.00	1.059	95.65	1.045	0.131	/
		Level4	Top Edge	0	116	5580	0.12	0.453	12.75	13.00	1.059	95.65	1.045	0.502	/
		Level4	Bottom Edge	0	116	5580	0.05	0.005	12.75	13.00	1.059	95.65	1.045	0.006	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.14 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	-0.07	0.093	11.25	13.00	1.496	76.80	1.302	0.181	/
	Left Tilt	0	39	2441	-0.13	0.101	11.25	13.00	1.496	76.80	1.302	**0.197**	49#
	Right Cheek	0	39	2441	-0.09	0.044	11.25	13.00	1.496	76.80	1.302	0.085	/
	Right Tilt	0	39	2441	0.17	0.049	11.25	13.00	1.496	76.80	1.302	0.096	/
Body-worn Accessory													
DH5	Front Side	15	39	2441	0.08	0.004	11.25	13.00	1.496	76.80	1.302	0.008	/
	Back Side	15	39	2441	-0.19	0.008	11.25	13.00	1.496	76.80	1.302	**0.016**	50#
Hotspot													
DH5	Front Side	10	39	2441	0.15	0.006	11.25	13.00	1.496	76.80	1.302	0.012	/
	Back Side	10	39	2441	-0.19	0.011	11.25	13.00	1.496	76.80	1.302	0.022	/
	Left Edge	10	39	2441	0.08	0.005	11.25	13.00	1.496	76.80	1.302	0.010	/
	Right Edge	10	39	2441	-0.14	0.005	11.25	13.00	1.496	76.80	1.302	0.010	/
	Top Edge	10	39	2441	-0.14	0.020	11.25	13.00	1.496	76.80	1.302	**0.039**	51#
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.

For 1g SAR

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Highest Measured SAR (W/kg)	Largest to Smallest SAR Radio
1752.6	WCDMA Band 4	Head	Right Cheek	0.916	Yes	0.845	1.08
1732.5	LTE Band 4	Head	Right Cheek	0.855	Yes	0.808	1.06
2610	LTE Band 38	Head	Right Tilt	0.836	Yes	0.804	1.04
2545	LTE Band 41	Head	Right Tilt	0.805	Yes	0.789	1.02
5745	5.8G WLAN	Head	Left Tilt	0.803	Yes	0.781	1.03
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 1.620 < 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 Accessory	Hotspot	Product Specific
1	GSM + WiFi 2.4G	Yes	Yes	Yes	Yes
2	GSM + WiFi 5G + Bluetooth	Yes	Yes	Yes	Yes
3	UMTS + WiFi 2.4G	Yes	Yes	Yes	Yes
4	UMTS + WiFi 5G + Bluetooth	Yes	Yes	Yes	Yes
5	LTE + WiFi 2.4G	Yes	Yes	Yes	Yes
6	LTE + WiFi 5G + Bluetooth	Yes	Yes	Yes	Yes
7	WiFi 5G + Bluetooth	Yes	Yes	Yes	Yes

Note:

1. 2G&3G&4G share the same antenna and can’t transmit simultaneously.
2. 2.4G WLAN can’t transmit simultaneously with Bluetooth or 5G WLAN.
3. Two WWAN antennas can switch automatically, but up and down antenna can't transmit simultaneously.
4. The maximum SAR summation is calculated based on the same configuration and test position.

12.2 Sum SAR of Simultaneous Transmission

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

Band	Power Reduction	Position	Stand alone SAR		SUM SAR
			1	2	
			WWAN	2.4GWIFI	Sum SAR (1+2)
GSM850	Off	Left Cheek	0.304	0.468	0.772
	Off	Left Tilt	0.271	0.445	0.716
	Off	Right Cheek	0.489	0.190	0.679
	Off	Right Tilt	0.484	0.169	0.653
GSM 1900	Level2&3	Left Cheek	0.250	0.468	0.718
	Level2&3	Left Tilt	0.246	0.445	0.691
	Level2&3	Right Cheek	0.484	0.190	0.674
	Level2&3	Right Tilt	0.384	0.169	0.553
WCDMA B2	Level2&3	Left Cheek	0.365	0.468	0.833
	Level2&3	Left Tilt	0.389	0.445	0.834
	Level2&3	Right Cheek	0.895	0.190	1.085
	Level2&3	Right Tilt	0.713	0.169	0.882
WCDMA B4	Level2&3	Left Cheek	0.409	0.468	0.877
	Level2&3	Left Tilt	0.432	0.445	0.876
	Level2&3	Right Cheek	0.751	0.190	0.941
	Level2&3	Right Tilt	0.671	0.169	0.840
WCDMA B5	Off	Left Cheek	0.250	0.468	0.718
	Off	Left Tilt	0.223	0.445	0.668
	Off	Right Cheek	0.539	0.190	0.729
	Off	Right Tilt	0.523	0.169	0.692
LTE B2	Level2&3	Left Cheek	0.279	0.468	0.747
	Level2&3	Left Tilt	0.251	0.445	0.695
	Level2&3	Right Cheek	0.625	0.190	0.815
	Level2&3	Right Tilt	0.511	0.169	0.680
LTE B4	Level2&3	Left Cheek	0.469	0.468	0.937
	Level2&3	Left Tilt	0.509	0.445	0.953
	Level2&3	Right Cheek	0.915	0.190	**1.105**
	Level2&3	Right Tilt	0.843	0.169	1.012
LTE B5	Level2&3	Left Cheek	0.352	0.468	0.820
	Level2&3	Left Tilt	0.313	0.445	0.758
	Level2&3	Right Cheek	0.416	0.190	0.606
	Level2&3	Right Tilt	0.394	0.169	0.563
LTE B7	Level2&3	Left Cheek	0.301	0.468	0.769
	Level2&3	Left Tilt	0.328	0.445	0.773
	Level2&3	Right Cheek	0.503	0.190	0.693
	Level2&3	Right Tilt	0.598	0.169	0.767
LTE B38	Level2&3	Left Cheek	0.421	0.468	0.889
	Level2&3	Left Tilt	0.475	0.445	0.920

	Level2&3	Right Cheek	0.692	0.190	0.882
	Level2&3	Right Tilt	0.887	0.169	1.056
LTE B41	Level2&3	Left Cheek	0.363	0.468	0.831
	Level2&3	Left Tilt	0.457	0.445	0.901
	Level2&3	Right Cheek	0.612	0.190	0.802
	Level2&3	Right Tilt	0.793	0.169	0.962

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 10g SAR is 1.105 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.2 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna Up with WLAN 5G and Bluetooth

Band	Power Reduction	Position	Stand alone SAR					SUM SAR		
			1	2	3	4	5			
			WWAN	5.3GWIFI	5.6GWIFI	5.8GWIFI	Bluetooth	Sum SAR (1+2+5)	Sum SAR (1+3+5)	Sum SAR (1+4+5)
GSM850	Off	Left Cheek	0.304	0.540	0.425	0.481	0.181	1.025	0.911	0.966
	Off	Left Tilt	0.271	0.616	0.488	0.585	0.197	1.085	0.956	1.053
	Off	Right Cheek	0.489	0.296	0.233	0.278	0.085	0.869	0.806	0.851
	Off	Right Tilt	0.484	0.352	0.277	0.331	0.096	0.932	0.857	0.911
GSM 1900	Level2&3	Left Cheek	0.250	0.540	0.425	0.481	0.181	0.971	0.857	0.912
	Level2&3	Left Tilt	0.246	0.616	0.488	0.585	0.197	1.060	0.932	1.028
	Level2&3	Right Cheek	0.484	0.296	0.233	0.278	0.085	0.865	0.802	0.847
	Level2&3	Right Tilt	0.384	0.352	0.277	0.331	0.096	0.832	0.757	0.811
WCDMA B2	Level2&3	Left Cheek	0.365	0.540	0.425	0.481	0.181	1.086	0.971	1.027
	Level2&3	Left Tilt	0.389	0.616	0.488	0.585	0.197	1.202	1.074	1.171
	Level2&3	Right Cheek	0.895	0.296	0.233	0.278	0.085	1.275	1.212	1.257
	Level2&3	Right Tilt	0.713	0.352	0.277	0.331	0.096	1.161	1.086	1.140
WCDMA B4	Level2&3	Left Cheek	0.409	0.540	0.425	0.481	0.181	1.130	1.015	1.071
	Level2&3	Left Tilt	0.432	0.616	0.488	0.585	0.197	1.245	1.117	1.213
	Level2&3	Right Cheek	0.751	0.296	0.233	0.278	0.085	1.131	1.068	1.113
	Level2&3	Right Tilt	0.671	0.352	0.277	0.331	0.096	1.120	1.045	1.098
WCDMA B5	Off	Left Cheek	0.250	0.540	0.425	0.481	0.181	0.971	0.856	0.912
	Off	Left Tilt	0.223	0.616	0.488	0.585	0.197	1.036	0.908	1.005
	Off	Right Cheek	0.539	0.296	0.233	0.278	0.085	0.920	0.857	0.902
	Off	Right Tilt	0.523	0.352	0.277	0.331	0.096	0.971	0.896	0.950
LTE B2	Level2&3	Left Cheek	0.279	0.540	0.425	0.481	0.181	1.000	0.885	0.940
	Level2&3	Left Tilt	0.251	0.616	0.488	0.585	0.197	1.064	0.936	1.032
	Level2&3	Right Cheek	0.625	0.296	0.233	0.278	0.085	1.006	0.943	0.988
	Level2&3	Right Tilt	0.511	0.352	0.277	0.331	0.096	0.960	0.885	0.938
LTE B4	Level2&3	Left Cheek	0.469	0.540	0.425	0.481	0.181	1.190	1.075	1.131
	Level2&3	Left Tilt	0.509	0.616	0.488	0.585	0.197	1.322	1.194	1.290
	Level2&3	Right Cheek	0.915	0.296	0.233	0.278	0.085	1.296	1.233	1.278

	Level2&3	Right Tilt	0.843	0.352	0.277	0.331	0.096	1.292	1.217	1.270
LTE B5	Level2&3	Left Cheek	0.352	0.540	0.425	0.481	0.181	1.073	0.958	1.014
	Level2&3	Left Tilt	0.313	0.616	0.488	0.585	0.197	1.126	0.998	1.095
	Level2&3	Right Cheek	0.562	0.296	0.233	0.278	0.085	0.942	0.880	0.924
	Level2&3	Right Tilt	0.544	0.352	0.277	0.331	0.096	0.993	0.918	0.971
LTE B7	Level2&3	Left Cheek	0.301	0.540	0.425	0.481	0.181	1.023	0.908	0.963
	Level2&3	Left Tilt	0.328	0.616	0.488	0.585	0.197	1.141	1.013	1.110
	Level2&3	Right Cheek	0.503	0.296	0.233	0.278	0.085	0.883	0.820	0.865
	Level2&3	Right Tilt	0.598	0.352	0.277	0.331	0.096	1.046	0.971	1.024
LTE B38	Level2&3	Left Cheek	0.421	0.540	0.425	0.481	0.181	1.142	1.027	1.083
	Level2&3	Left Tilt	0.475	0.616	0.488	0.585	0.197	1.288	1.160	1.257
	Level2&3	Right Cheek	0.692	0.296	0.233	0.278	0.085	1.073	1.010	1.055
	Level2&3	Right Tilt	0.887	0.352	0.277	0.331	0.096	**1.335**	1.260	1.314
LTE B41	Level2&3	Left Cheek	0.363	0.540	0.425	0.481	0.181	1.085	0.970	1.025
	Level2&3	Left Tilt	0.457	0.616	0.488	0.585	0.197	1.270	1.142	1.238
	Level2&3	Right Cheek	0.612	0.296	0.233	0.278	0.085	0.993	0.930	0.975
	Level2&3	Right Tilt	0.793	0.352	0.277	0.331	0.096	1.242	1.167	1.220

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 10g SAR is 1.335 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

Band	Power Reduction	Position	Stand alone SAR		SUM SAR
			1	2	
			WWAN	2.4GWIFI	Sum SAR (1+2)
GSM850	Off	Front Side 10mm	0.069	0.090	0.159
	Off	Back Side 10mm	0.082	0.157	0.239
	Off	Left Edge 10mm	0.025	0.098	0.123
	Off	Right Edge 10mm	0.062	0.024	0.086
	Off	Top Edge 10mm	0.126	0.095	0.221
GSM 1900	Level5&6	Front Side 10mm	0.198	0.090	0.288
	Level5&6	Back Side 10mm	0.286	0.157	0.442
	Level5&6	Left Edge 10mm	0.043	0.098	0.142
	Level5&6	Right Edge 10mm	0.134	0.024	0.158
	Level5&6	Top Edge 10mm	0.173	0.095	0.268
WCDMA B2	Level5&6	Front Side 10mm	0.317	0.090	0.407
	Level5&6	Back Side 10mm	0.478	0.157	0.635
	Level5&6	Left Edge 10mm	0.074	0.098	0.172
	Level5&6	Right Edge 10mm	0.197	0.024	0.221
	Level5&6	Top Edge 10mm	0.335	0.095	0.430
WCDMA B4	Level5&6	Front Side 10mm	0.244	0.090	0.333

	Level5&6	Back Side 10mm	0.349	0.157	0.505
	Level5&6	Left Edge 10mm	0.093	0.098	0.192
	Level5&6	Right Edge 10mm	0.149	0.024	0.173
	Level5&6	Top Edge 10mm	0.341	0.095	0.436
WCDMA B5	Off	Front Side 10mm	0.083	0.090	0.173
	Off	Back Side 10mm	0.109	0.157	0.265
	Off	Left Edge 10mm	0.026	0.098	0.124
	Off	Right Edge 10mm	0.055	0.024	0.079
	Off	Top Edge 10mm	0.104	0.095	0.199
LTE B2	Level5&6	Front Side 10mm	0.246	0.090	0.336
	Level5&6	Back Side 10mm	0.351	0.157	0.508
	Level5&6	Left Edge 10mm	0.073	0.098	0.172
	Level5&6	Right Edge 10mm	0.164	0.024	0.188
	Level5&6	Top Edge 10mm	0.211	0.095	0.306
LTE B4	Level5&6	Front Side 10mm	0.236	0.090	0.325
	Level5&6	Back Side 10mm	0.241	0.157	0.398
	Level5&6	Left Edge 10mm	0.085	0.098	0.184
	Level5&6	Right Edge 10mm	0.145	0.024	0.168
	Level5&6	Top Edge 10mm	0.229	0.095	0.324
LTE B5	Off	Front Side 10mm	0.057	0.090	0.146
	Off	Back Side 10mm	0.089	0.157	0.246
	Off	Left Edge 10mm	0.036	0.098	0.135
	Off	Right Edge 10mm	0.028	0.024	0.051
	Off	Top Edge 10mm	0.103	0.095	0.198
LTE B7	Level5&6	Front Side 10mm	0.252	0.090	0.341
	Level5&6	Back Side 10mm	0.464	0.157	0.621
	Level5&6	Left Edge 10mm	0.037	0.098	0.135
	Level5&6	Right Edge 10mm	0.074	0.024	0.098
	Level5&6	Top Edge 10mm	0.642	0.095	0.738
LTE B38	Level5&6	Front Side 10mm	0.321	0.090	0.410
	Level5&6	Back Side 10mm	0.498	0.157	0.655
	Level5&6	Left Edge 10mm	0.052	0.098	0.150
	Level5&6	Right Edge 10mm	0.084	0.024	0.108
	Level5&6	Top Edge 10mm	0.728	0.095	**0.824**
LTE B41	Level5&6	Front Side 10mm	0.315	0.090	0.404
	Level5&6	Back Side 10mm	0.631	0.157	0.787
	Level5&6	Left Edge 10mm	0.049	0.098	0.148
	Level5&6	Right Edge 10mm	0.090	0.024	0.113
	Level5&6	Top Edge 10mm	0.625	0.095	0.720

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

12.2.4 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna Up with WLAN 5G and Bluetooth

Band	Power Reduction	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	5.2G WIFI MAX	5.8G WIFI MAX	Bluetooth	Sum SAR (1+2+4)	Sum SAR (1+3+4)
GSM850	Off	Front Side 10mm	0.069	0.041	0.051	0.012	0.122	0.132
	Off	Back Side 10mm	0.082	0.157	0.203	0.022	0.261	0.307
	Off	Left Edge 10mm	0.025	0.146	0.192	0.010	0.180	0.227
	Off	Right Edge 10mm	0.062	0.017	0.030	0.010	0.089	0.102
	Off	Top Edge 10mm	0.126	0.185	0.165	0.039	0.350	0.330
GSM 1900	Level5&6	Front Side 10mm	0.198	0.041	0.051	0.012	0.251	0.261
	Level5&6	Back Side 10mm	0.286	0.157	0.203	0.022	0.464	0.510
	Level5&6	Left Edge 10mm	0.043	0.146	0.192	0.010	0.199	0.245
	Level5&6	Right Edge 10mm	0.134	0.017	0.030	0.010	0.160	0.173
	Level5&6	Top Edge 10mm	0.173	0.185	0.165	0.039	0.397	0.377
WCDMA B2	Level5&6	Front Side 10mm	0.317	0.041	0.051	0.012	0.370	0.380
	Level5&6	Back Side 10mm	0.478	0.157	0.203	0.022	0.657	0.703
	Level5&6	Left Edge 10mm	0.074	0.146	0.192	0.010	0.229	0.276
	Level5&6	Right Edge 10mm	0.197	0.017	0.030	0.010	0.224	0.237
	Level5&6	Top Edge 10mm	0.335	0.185	0.165	0.039	0.560	0.539
WCDMA B4	Level5&6	Front Side 10mm	0.244	0.041	0.051	0.012	0.296	0.307
	Level5&6	Back Side 10mm	0.349	0.157	0.203	0.022	0.527	0.573
	Level5&6	Left Edge 10mm	0.093	0.146	0.192	0.010	0.249	0.295
	Level5&6	Right Edge 10mm	0.149	0.017	0.030	0.010	0.175	0.188
	Level5&6	Top Edge 10mm	0.341	0.185	0.165	0.039	0.566	0.545
WCDMA B5	Off	Front Side 10mm	0.083	0.041	0.051	0.012	0.136	0.146
	Off	Back Side 10mm	0.109	0.157	0.203	0.022	0.287	0.333
	Off	Left Edge 10mm	0.026	0.146	0.192	0.010	0.181	0.228
	Off	Right Edge 10mm	0.055	0.017	0.030	0.010	0.082	0.095
	Off	Top Edge 10mm	0.104	0.185	0.165	0.039	0.328	0.308
LTE B2	Level5&6	Front Side 10mm	0.246	0.041	0.051	0.012	0.299	0.309
	Level5&6	Back Side 10mm	0.351	0.157	0.203	0.022	0.529	0.576
	Level5&6	Left Edge 10mm	0.073	0.146	0.192	0.010	0.229	0.275
	Level5&6	Right Edge 10mm	0.164	0.017	0.030	0.010	0.190	0.203
	Level5&6	Top Edge 10mm	0.211	0.185	0.165	0.039	0.436	0.415
LTE B4	Level5&6	Front Side 10mm	0.236	0.041	0.051	0.012	0.288	0.298
	Level5&6	Back Side 10mm	0.241	0.157	0.203	0.022	0.420	0.466
	Level5&6	Left Edge 10mm	0.085	0.146	0.192	0.010	0.241	0.288
	Level5&6	Right Edge 10mm	0.145	0.017	0.030	0.010	0.171	0.184
	Level5&6	Top Edge 10mm	0.229	0.185	0.165	0.039	0.453	0.433
LTE B5	Off	Front Side 10mm	0.057	0.041	0.051	0.012	0.109	0.120
	Off	Back Side 10mm	0.089	0.157	0.203	0.022	0.268	0.314
	Off	Left Edge 10mm	0.036	0.146	0.192	0.010	0.192	0.239
	Off	Right Edge 10mm	0.028	0.017	0.030	0.010	0.054	0.067

	Off	Top Edge 10mm	0.103	0.185	0.165	0.039	0.328	0.308
LTE B7	Level5&6	Front Side 10mm	0.252	0.041	0.051	0.012	0.304	0.315
	Level5&6	Back Side 10mm	0.464	0.157	0.203	0.022	0.643	0.689
	Level5&6	Left Edge 10mm	0.037	0.146	0.192	0.010	0.192	0.239
	Level5&6	Right Edge 10mm	0.074	0.017	0.030	0.010	0.101	0.114
	Level5&6	Top Edge 10mm	0.642	0.185	0.165	0.039	0.867	0.847
LTE B38	Level5&6	Front Side 10mm	0.321	0.041	0.051	0.012	0.373	0.384
	Level5&6	Back Side 10mm	0.498	0.157	0.203	0.022	0.677	0.723
	Level5&6	Left Edge 10mm	0.052	0.146	0.192	0.010	0.207	0.254
	Level5&6	Right Edge 10mm	0.084	0.017	0.030	0.010	0.110	0.123
	Level5&6	Top Edge 10mm	0.728	0.185	0.165	0.039	**0.953**	0.933
LTE B41	Level5&6	Front Side 10mm	0.315	0.041	0.051	0.012	0.367	0.378
	Level5&6	Back Side 10mm	0.631	0.157	0.203	0.022	0.809	0.855
	Level5&6	Left Edge 10mm	0.049	0.146	0.192	0.010	0.205	0.252
	Level5&6	Right Edge 10mm	0.090	0.017	0.030	0.010	0.116	0.129
	Level5&6	Top Edge 10mm	0.625	0.185	0.165	0.039	0.850	0.830

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

12.2.5 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN Antenna Up with WLAN 2.4G

Band	Power Reduction	Position	Stand alone SAR		SUM SAR
			1	2	
			WWAN	2.4GWIFI	Sum SAR (1+2)
GSM850	Off	Front Side 15mm	0.035	0.029	0.064
	Off	Back Side 15mm	0.059	0.062	0.121
GSM 1900	Level5&6	Front Side 15mm	0.118	0.029	0.146
	Level5&6	Back Side 15mm	0.148	0.062	0.210
WCDMA B2	Level5&6	Front Side 15mm	0.274	0.029	0.303
	Level5&6	Back Side 15mm	0.250	0.062	**0.312**
WCDMA B4	Level5&6	Front Side 15mm	0.143	0.029	0.171
	Level5&6	Back Side 15mm	0.162	0.062	0.223
WCDMA B5	Off	Front Side 15mm	0.064	0.029	0.092
	Off	Back Side 15mm	0.072	0.062	0.133
LTE B2	Level5&6	Front Side 15mm	0.151	0.029	0.179
	Level5&6	Back Side 15mm	0.213	0.062	0.275
LTE B4	Level5&6	Front Side 15mm	0.128	0.029	0.156
	Level5&6	Back Side 15mm	0.140	0.062	0.202
LTE B5	Level5&6	Front Side 15mm	0.042	0.029	0.071
	Level5&6	Back Side 15mm	0.076	0.062	0.137
LTE B7	Level5&6	Front Side 15mm	0.123	0.029	0.151

	Level5&6	Back Side 15mm	0.186	0.062	0.248
LTE B38	Level5&6	Front Side 15mm	0.157	0.029	0.185
	Level5&6	Back Side 15mm	0.230	0.062	0.292
LTE B41	Level5&6	Front Side 15mm	0.160	0.029	0.189
	Level5&6	Back Side 15mm	0.232	0.062	0.294

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

12.2.6 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN Antenna Up with WLAN 5G and Bluetooth

Band	Power Reduction	Position	Stand alone SAR					SUM SAR		
			1	2	3	4	5			
			WWAN	5.3G WIFI MAX	5.6G WIFI MAX	5.8G WIFI MAX	Bluetooth	Sum SAR (1+2+5)	Sum SAR (1+3+5)	Sum SAR (1+4+5)
GSM850	Off	Front Side 15mm	0.035	0.029	0.051	0.023	0.008	0.072	0.094	0.066
	Off	Back Side 15mm	0.059	0.096	0.200	0.088	0.016	0.171	0.275	0.163
GSM 1900	Level5&6	Front Side 15mm	0.118	0.029	0.051	0.023	0.008	0.154	0.176	0.148
	Level5&6	Back Side 15mm	0.148	0.096	0.200	0.088	0.016	0.260	0.364	0.252
WCDMA B2	Level5&6	Front Side 15mm	0.274	0.029	0.051	0.023	0.008	0.311	0.333	0.305
	Level5&6	Back Side 15mm	0.250	0.096	0.200	0.088	0.016	0.362	**0.466**	0.354
WCDMA B4	Level5&6	Front Side 15mm	0.143	0.029	0.051	0.023	0.008	0.179	0.201	0.173
	Level5&6	Back Side 15mm	0.162	0.096	0.200	0.088	0.016	0.274	0.378	0.266
WCDMA B5	Off	Front Side 15mm	0.064	0.029	0.051	0.023	0.008	0.101	0.123	0.095
	Off	Back Side 15mm	0.072	0.096	0.200	0.088	0.016	0.184	0.288	0.176
LTE B2	Level5&6	Front Side 15mm	0.151	0.029	0.051	0.023	0.008	0.188	0.210	0.182
	Level5&6	Back Side 15mm	0.213	0.096	0.200	0.088	0.016	0.325	0.429	0.317
LTE B4	Level5&6	Front Side 15mm	0.128	0.029	0.051	0.023	0.008	0.164	0.186	0.158
	Level5&6	Back Side 15mm	0.140	0.096	0.200	0.088	0.016	0.252	0.356	0.244
LTE B5	Level5&6	Front Side 15mm	0.042	0.029	0.051	0.023	0.008	0.079	0.101	0.073
	Level5&6	Back Side 15mm	0.076	0.096	0.200	0.088	0.016	0.188	0.292	0.180
LTE B7	Level5&6	Front Side 15mm	0.123	0.029	0.051	0.023	0.008	0.160	0.182	0.154
	Level5&6	Back Side 15mm	0.186	0.096	0.200	0.088	0.016	0.298	0.402	0.290
LTE B38	Level5&6	Front Side 15mm	0.157	0.029	0.051	0.023	0.008	0.193	0.215	0.187
	Level5&6	Back Side 15mm	0.230	0.096	0.200	0.088	0.016	0.342	0.446	0.334
LTE B41	Level5&6	Front Side 15mm	0.160	0.029	0.051	0.023	0.008	0.197	0.219	0.191
	Level5&6	Back Side 15mm	0.232	0.096	0.200	0.088	0.016	0.345	0.449	0.337

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

12.2.7 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna Down with WLAN 2.4G

Band	Power Reduction	Position	Stand alone SAR		SUM SAR
			1	2	
			WWAN	2.4GWIFI	Sum SAR (1+2)
GSM850	Off	Left Cheek	0.160	0.468	0.628
	Off	Left Tilt	0.085	0.445	0.529
	Off	Right Cheek	0.150	0.190	0.340
	Off	Right Tilt	0.072	0.169	0.241
GSM 1900	Off	Left Cheek	0.084	0.468	0.551
	Off	Left Tilt	0.041	0.445	0.485
	Off	Right Cheek	0.147	0.190	0.337
	Off	Right Tilt	0.050	0.169	0.219
WCDMA B2	Off	Left Cheek	0.126	0.468	0.594
	Off	Left Tilt	0.079	0.445	0.523
	Off	Right Cheek	0.155	0.190	0.344
	Off	Right Tilt	0.062	0.169	0.231
WCDMA B4	Off	Left Cheek	0.141	0.468	0.609
	Off	Left Tilt	0.089	0.445	0.534
	Off	Right Cheek	0.172	0.190	0.362
	Off	Right Tilt	0.071	0.169	0.240
WCDMA B5	Off	Left Cheek	0.184	0.468	0.652
	Off	Left Tilt	0.096	0.445	0.540
	Off	Right Cheek	0.175	0.190	0.365
	Off	Right Tilt	0.096	0.169	0.265
LTE B2	Off	Left Cheek	0.143	0.468	0.611
	Off	Left Tilt	0.092	0.445	0.536
	Off	Right Cheek	0.177	0.190	0.367
	Off	Right Tilt	0.082	0.169	0.251
LTE B4	Off	Left Cheek	0.161	0.468	0.629
	Off	Left Tilt	0.113	0.445	0.558
	Off	Right Cheek	0.198	0.190	0.388
	Off	Right Tilt	0.090	0.169	0.259
LTE B5	Off	Left Cheek	0.206	0.468	0.674
	Off	Left Tilt	0.129	0.445	0.573
	Off	Right Cheek	0.197	0.190	0.387
	Off	Right Tilt	0.121	0.169	0.290
LTE B7	Off	Left Cheek	0.401	0.468	0.868
	Off	Left Tilt	0.150	0.445	0.595
	Off	Right Cheek	0.194	0.190	0.383
	Off	Right Tilt	0.206	0.169	0.375
LTE B38	Off	Left Cheek	0.490	0.468	**0.958**
	Off	Left Tilt	0.190	0.445	0.635
	Off	Right Cheek	0.249	0.190	0.439

	Off	Right Tilt	0.269	0.169	0.438
LTE B41	Off	Left Cheek	0.432	0.468	0.900
	Off	Left Tilt	0.168	0.445	0.613
	Off	Right Cheek	0.210	0.190	0.400
	Off	Right Tilt	0.229	0.169	0.398

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 10g SAR is 0.958 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.8 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna Down with WLAN 5G and Bluetooth

Band	Power Reduction	Position	Stand alone SAR					SUM SAR		
			1	2	3	4	5			
			WWAN	5.3GWIFI	5.6GWIFI	5.8GWIFI	Bluetooth	Sum SAR (1+2+5)	Sum SAR (1+3+5)	Sum SAR (1+4+5)
GSM850	Off	Left Cheek	0.160	0.540	0.425	0.481	0.181	0.881	0.766	0.821
	Off	Left Tilt	0.085	0.616	0.488	0.585	0.197	0.898	0.770	0.866
	Off	Right Cheek	0.150	0.296	0.233	0.278	0.085	0.531	0.468	0.513
	Off	Right Tilt	0.072	0.352	0.277	0.331	0.096	0.520	0.445	0.499
GSM 1900	Off	Left Cheek	0.084	0.540	0.425	0.481	0.181	0.805	0.690	0.745
	Off	Left Tilt	0.041	0.616	0.488	0.585	0.197	0.854	0.726	0.822
	Off	Right Cheek	0.147	0.296	0.233	0.278	0.085	0.528	0.465	0.510
	Off	Right Tilt	0.050	0.352	0.277	0.331	0.096	0.498	0.423	0.477
WCDMA B2	Off	Left Cheek	0.126	0.540	0.425	0.481	0.181	0.847	0.732	0.788
	Off	Left Tilt	0.079	0.616	0.488	0.585	0.197	0.892	0.764	0.860
	Off	Right Cheek	0.155	0.296	0.233	0.278	0.085	0.535	0.472	0.517
	Off	Right Tilt	0.062	0.352	0.277	0.331	0.096	0.511	0.436	0.489
WCDMA B4	Off	Left Cheek	0.141	0.540	0.425	0.481	0.181	0.862	0.747	0.803
	Off	Left Tilt	0.089	0.616	0.488	0.585	0.197	0.902	0.774	0.871
	Off	Right Cheek	0.172	0.296	0.233	0.278	0.085	0.552	0.489	0.534
	Off	Right Tilt	0.071	0.352	0.277	0.331	0.096	0.520	0.445	0.498
WCDMA B5	Off	Left Cheek	0.184	0.540	0.425	0.481	0.181	0.905	0.790	0.846
	Off	Left Tilt	0.096	0.616	0.488	0.585	0.197	0.909	0.781	0.877
	Off	Right Cheek	0.175	0.296	0.233	0.278	0.085	0.555	0.492	0.537
	Off	Right Tilt	0.096	0.352	0.277	0.331	0.096	0.544	0.469	0.523
LTE B2	Off	Left Cheek	0.143	0.540	0.425	0.481	0.181	0.864	0.749	0.804
	Off	Left Tilt	0.092	0.616	0.488	0.585	0.197	0.905	0.777	0.873
	Off	Right Cheek	0.177	0.296	0.233	0.278	0.085	0.558	0.495	0.540
	Off	Right Tilt	0.082	0.352	0.277	0.331	0.096	0.530	0.455	0.509
LTE B4	Off	Left Cheek	0.161	0.540	0.425	0.481	0.181	0.882	0.767	0.822
	Off	Left Tilt	0.113	0.616	0.488	0.585	0.197	0.926	0.798	0.895
	Off	Right Cheek	0.198	0.296	0.233	0.278	0.085	0.579	0.516	0.561
	Off	Right Tilt	0.090	0.352	0.277	0.331	0.096	0.538	0.463	0.517

LTE B5	Off	Left Cheek	0.206	0.540	0.425	0.481	0.181	0.927	0.812	0.867
	Off	Left Tilt	0.129	0.616	0.488	0.585	0.197	0.942	0.814	0.910
	Off	Right Cheek	0.197	0.296	0.233	0.278	0.085	0.578	0.515	0.560
	Off	Right Tilt	0.121	0.352	0.277	0.331	0.096	0.570	0.495	0.548
LTE B7	Off	Left Cheek	0.401	0.540	0.425	0.481	0.181	1.122	1.007	1.062
	Off	Left Tilt	0.150	0.616	0.488	0.585	0.197	0.963	0.835	0.932
	Off	Right Cheek	0.194	0.296	0.233	0.278	0.085	0.574	0.511	0.556
	Off	Right Tilt	0.206	0.352	0.277	0.331	0.096	0.654	0.579	0.633
LTE B38	Off	Left Cheek	0.490	0.540	0.425	0.481	0.181	**1.211**	1.096	1.152
	Off	Left Tilt	0.190	0.616	0.488	0.585	0.197	1.003	0.875	0.972
	Off	Right Cheek	0.249	0.296	0.233	0.278	0.085	0.629	0.566	0.611
	Off	Right Tilt	0.269	0.352	0.277	0.331	0.096	0.717	0.642	0.696
LTE B41	Off	Left Cheek	0.432	0.540	0.425	0.481	0.181	1.154	1.039	1.094
	Off	Left Tilt	0.168	0.616	0.488	0.585	0.197	0.981	0.853	0.950
	Off	Right Cheek	0.210	0.296	0.233	0.278	0.085	0.591	0.528	0.573
	Off	Right Tilt	0.229	0.352	0.277	0.331	0.096	0.678	0.603	0.656

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 10g SAR is 1.211 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.9 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna Down with WLAN 2.4G

Band	Power Reduction	Position	Stand alone SAR		SUM SAR
			1	2	
			WWAN	2.4GWIFI	Sum SAR (1+2)
GSM850	Off	Front Side 10mm	0.152	0.090	0.241
	Off	Back Side 10mm	0.215	0.157	0.371
	Off	Left Edge 10mm	0.184	0.098	0.282
	Off	Right Edge 10mm	0.115	0.024	0.139
	Off	Bottom Edge 10mm	0.164	0.000	0.164
GSM 1900	Level8&9	Front Side 10mm	0.102	0.090	0.192
	Level8&9	Back Side 10mm	0.188	0.157	0.345
	Level8&9	Left Edge 10mm	0.027	0.098	0.126
	Level8&9	Right Edge 10mm	0.051	0.024	0.075
	Level8&9	Bottom Edge 10mm	0.382	0.000	0.382
WCDMA B2	Level8&9	Front Side 10mm	0.199	0.090	0.289
	Level8&9	Back Side 10mm	0.386	0.157	0.543
	Level8&9	Left Edge 10mm	0.069	0.098	0.168
	Level8&9	Right Edge 10mm	0.088	0.024	0.112
	Level8&9	Bottom Edge 10mm	0.849	0.000	**0.849**
WCDMA B4	Level8&9	Front Side 10mm	0.150	0.090	0.240
	Level8&9	Back Side 10mm	0.278	0.157	0.435

	Level8&9	Left Edge 10mm	0.065	0.098	0.163
	Level8&9	Right Edge 10mm	0.045	0.024	0.069
	Level8&9	Bottom Edge 10mm	0.301	0.000	0.301
WCDMA B5	Level8&9	Front Side 10mm	0.143	0.090	0.232
	Level8&9	Back Side 10mm	0.198	0.157	0.355
	Level8&9	Left Edge 10mm	0.132	0.098	0.231
	Level8&9	Right Edge 10mm	0.100	0.024	0.124
	Level8&9	Bottom Edge 10mm	0.166	0.000	0.166
LTE B2	Level8&9	Front Side 10mm	0.161	0.090	0.250
	Level8&9	Back Side 10mm	0.307	0.157	0.464
	Level8&9	Left Edge 10mm	0.069	0.098	0.167
	Level8&9	Right Edge 10mm	0.075	0.024	0.098
	Level8&9	Bottom Edge 10mm	0.534	0.000	0.534
LTE B4	Level8&9	Front Side 10mm	0.089	0.090	0.179
	Level8&9	Back Side 10mm	0.171	0.157	0.328
	Level8&9	Left Edge 10mm	0.045	0.098	0.144
	Level8&9	Right Edge 10mm	0.032	0.024	0.056
	Level8&9	Bottom Edge 10mm	0.136	0.000	0.136
LTE B5	Level8&9	Front Side 10mm	0.150	0.090	0.239
	Level8&9	Back Side 10mm	0.200	0.157	0.357
	Level8&9	Left Edge 10mm	0.156	0.098	0.254
	Level8&9	Right Edge 10mm	0.110	0.024	0.134
	Level8&9	Bottom Edge 10mm	0.156	0.000	0.156
LTE B7	Level8&9	Front Side 10mm	0.173	0.090	0.263
	Level8&9	Back Side 10mm	0.205	0.157	0.362
	Level8&9	Left Edge 10mm	0.041	0.098	0.139
	Level8&9	Right Edge 10mm	0.162	0.024	0.185
	Level8&9	Bottom Edge 10mm	0.213	0.000	0.213
LTE B38	Level8&9	Front Side 10mm	0.207	0.090	0.297
	Level8&9	Back Side 10mm	0.247	0.157	0.404
	Level8&9	Left Edge 10mm	0.049	0.098	0.147
	Level8&9	Right Edge 10mm	0.177	0.024	0.201
	Level8&9	Bottom Edge 10mm	0.197	0.000	0.197
LTE B41	Level8&9	Front Side 10mm	0.219	0.090	0.308
	Level8&9	Back Side 10mm	0.288	0.157	0.445
	Level8&9	Left Edge 10mm	0.045	0.098	0.143
	Level8&9	Right Edge 10mm	0.182	0.024	0.205
	Level8&9	Bottom Edge 10mm	0.207	0.000	0.207

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

12.2.10 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna Down with WLAN 5G and Bluetooth

Band	Power Reduction	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	5.2G WIFI MAX	5.8G WIFI MAX	Bluetooth	Sum SAR (1+2+4)	Sum SAR (1+3+4)
GSM850	Off	Front Side 10mm	0.152	0.041	0.051	0.012	0.204	0.215
	Off	Back Side 10mm	0.215	0.157	0.203	0.022	0.393	0.439
	Off	Left Edge 10mm	0.184	0.146	0.192	0.010	0.339	0.386
	Off	Right Edge 10mm	0.115	0.017	0.030	0.010	0.141	0.154
	Off	Bottom Edge 10mm	0.164	0.000	0.000	0.000	0.164	0.164
GSM 1900	Level8&9	Front Side 10mm	0.102	0.041	0.051	0.012	0.155	0.165
	Level8&9	Back Side 10mm	0.188	0.157	0.203	0.022	0.366	0.413
	Level8&9	Left Edge 10mm	0.027	0.146	0.192	0.010	0.183	0.229
	Level8&9	Right Edge 10mm	0.051	0.017	0.030	0.010	0.077	0.090
	Level8&9	Bottom Edge 10mm	0.382	0.000	0.000	0.000	0.382	0.382
WCDMA B2	Level8&9	Front Side 10mm	0.199	0.041	0.051	0.012	0.252	0.262
	Level8&9	Back Side 10mm	0.386	0.157	0.203	0.022	0.565	0.611
	Level8&9	Left Edge 10mm	0.069	0.146	0.192	0.010	0.225	0.272
	Level8&9	Right Edge 10mm	0.088	0.017	0.030	0.010	0.114	0.128
	Level8&9	Bottom Edge 10mm	0.849	0.000	0.000	0.000	**0.849**	**0.849**
WCDMA B4	Level8&9	Front Side 10mm	0.150	0.041	0.051	0.012	0.203	0.213
	Level8&9	Back Side 10mm	0.278	0.157	0.203	0.022	0.457	0.503
	Level8&9	Left Edge 10mm	0.065	0.146	0.192	0.010	0.220	0.267
	Level8&9	Right Edge 10mm	0.045	0.017	0.030	0.010	0.071	0.084
	Level8&9	Bottom Edge 10mm	0.301	0.000	0.000	0.000	0.301	0.301
WCDMA B5	Level8&9	Front Side 10mm	0.143	0.041	0.051	0.012	0.195	0.206
	Level8&9	Back Side 10mm	0.198	0.157	0.203	0.022	0.377	0.423
	Level8&9	Left Edge 10mm	0.132	0.146	0.192	0.010	0.288	0.335
	Level8&9	Right Edge 10mm	0.100	0.017	0.030	0.010	0.126	0.139
	Level8&9	Bottom Edge 10mm	0.166	0.000	0.000	0.000	0.166	0.166
LTE B2	Level8&9	Front Side 10mm	0.161	0.041	0.051	0.012	0.213	0.224
	Level8&9	Back Side 10mm	0.307	0.157	0.203	0.022	0.486	0.532
	Level8&9	Left Edge 10mm	0.069	0.146	0.192	0.010	0.224	0.271
	Level8&9	Right Edge 10mm	0.075	0.017	0.030	0.010	0.101	0.114
	Level8&9	Bottom Edge 10mm	0.534	0.000	0.000	0.000	0.534	0.534
LTE B4	Level8&9	Front Side 10mm	0.089	0.041	0.051	0.012	0.142	0.152
	Level8&9	Back Side 10mm	0.171	0.157	0.203	0.022	0.350	0.396
	Level8&9	Left Edge 10mm	0.045	0.146	0.192	0.010	0.201	0.247
	Level8&9	Right Edge 10mm	0.032	0.017	0.030	0.010	0.059	0.072
	Level8&9	Bottom Edge 10mm	0.136	0.000	0.000	0.000	0.136	0.136
LTE B5	Level8&9	Front Side 10mm	0.150	0.041	0.051	0.012	0.202	0.212
	Level8&9	Back Side 10mm	0.200	0.157	0.203	0.022	0.379	0.425
	Level8&9	Left Edge 10mm	0.156	0.146	0.192	0.010	0.311	0.358
	Level8&9	Right Edge 10mm	0.110	0.017	0.030	0.010	0.136	0.149

	Level8&9	Bottom Edge 10mm	0.156	0.000	0.000	0.000	0.156	0.156
LTE B7	Level8&9	Front Side 10mm	0.173	0.041	0.051	0.012	0.226	0.236
	Level8&9	Back Side 10mm	0.205	0.157	0.203	0.022	0.384	0.430
	Level8&9	Left Edge 10mm	0.041	0.146	0.192	0.010	0.196	0.243
	Level8&9	Right Edge 10mm	0.162	0.017	0.030	0.010	0.188	0.201
	Level8&9	Bottom Edge 10mm	0.213	0.000	0.000	0.000	0.213	0.213
LTE B38	Level8&9	Front Side 10mm	0.207	0.041	0.051	0.012	0.260	0.270
	Level8&9	Back Side 10mm	0.247	0.157	0.203	0.022	0.425	0.472
	Level8&9	Left Edge 10mm	0.049	0.146	0.192	0.010	0.204	0.251
	Level8&9	Right Edge 10mm	0.177	0.017	0.030	0.010	0.203	0.216
	Level8&9	Bottom Edge 10mm	0.197	0.000	0.000	0.000	0.197	0.197
LTE B41	Level8&9	Front Side 10mm	0.219	0.041	0.051	0.012	0.271	0.282
	Level8&9	Back Side 10mm	0.288	0.157	0.203	0.022	0.467	0.513
	Level8&9	Left Edge 10mm	0.045	0.146	0.192	0.010	0.200	0.247
	Level8&9	Right Edge 10mm	0.182	0.017	0.030	0.010	0.208	0.221
	Level8&9	Bottom Edge 10mm	0.207	0.000	0.000	0.000	0.207	0.207

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

12.2.11 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN Antenna Down with WLAN 2.4G

Band	Power Reduction	Position	Stand alone SAR		SUM SAR
			1	2	
			WWAN	2.4GWIFI	Sum SAR (1+2)
GSM850	Off	Front Side 15mm	0.174	0.029	0.202
	Off	Back Side 15mm	0.204	0.062	0.266
GSM 1900	Level8&9	Front Side 15mm	0.053	0.029	0.081
	Level8&9	Back Side 15mm	0.113	0.062	0.175
WCDMA B2	Level8&9	Front Side 15mm	0.124	0.029	0.153
	Level8&9	Back Side 15mm	0.217	0.062	**0.279**
WCDMA B4	Level8&9	Front Side 15mm	0.083	0.029	0.111
	Level8&9	Back Side 15mm	0.149	0.062	0.211
WCDMA B5	Level8&9	Front Side 15mm	0.120	0.029	0.149
	Level8&9	Back Side 15mm	0.164	0.062	0.226
LTE B2	Level8&9	Front Side 15mm	0.106	0.029	0.134
	Level8&9	Back Side 15mm	0.178	0.062	0.239
LTE B4	Level8&9	Front Side 15mm	0.075	0.029	0.103
	Level8&9	Back Side 15mm	0.127	0.062	0.189
LTE B5	Level8&9	Front Side 15mm	0.127	0.029	0.155
	Level8&9	Back Side 15mm	0.175	0.062	0.237
LTE B7	Level8&9	Front Side 15mm	0.087	0.029	0.116

	Level8&9	Back Side 15mm	0.097	0.062	0.159
LTE B38	Level8&9	Front Side 15mm	0.118	0.029	0.147
	Level8&9	Back Side 15mm	0.128	0.062	0.190
LTE B41	Level8&9	Front Side 15mm	0.151	0.029	0.179
	Level8&9	Back Side 15mm	0.173	0.062	0.235

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

12.2.12 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN Antenna Down with WLAN 5G and Bluetooth

Band	Power Reduction	Position	Stand alone SAR					SUM SAR		
			1	2	3	4	5			
			WWAN	5.3G WIFI MAX	5.6G WIFI MAX	5.8G WIFI MAX	Bluetooth	Sum SAR (1+2+5)	Sum SAR (1+3+5)	Sum SAR (1+4+5)
GSM850	Off	Front Side 15mm	0.174	0.029	0.051	0.023	0.008	0.211	0.233	0.205
	Off	Back Side 15mm	0.204	0.096	0.200	0.088	0.016	0.317	0.421	0.309
GSM 1900	Level8&9	Front Side 15mm	0.053	0.029	0.051	0.023	0.008	0.089	0.111	0.083
	Level8&9	Back Side 15mm	0.113	0.096	0.200	0.088	0.016	0.225	0.329	0.217
WCDMA B2	Level8&9	Front Side 15mm	0.124	0.029	0.051	0.023	0.008	0.161	0.183	0.155
	Level8&9	Back Side 15mm	0.217	0.096	0.200	0.088	0.016	0.329	**0.433**	0.321
WCDMA B4	Level8&9	Front Side 15mm	0.083	0.029	0.051	0.023	0.008	0.120	0.142	0.114
	Level8&9	Back Side 15mm	0.149	0.096	0.200	0.088	0.016	0.262	0.366	0.254
WCDMA B5	Level8&9	Front Side 15mm	0.120	0.029	0.051	0.023	0.008	0.157	0.179	0.151
	Level8&9	Back Side 15mm	0.164	0.096	0.200	0.088	0.016	0.277	0.381	0.269
LTE B2	Level8&9	Front Side 15mm	0.106	0.029	0.051	0.023	0.008	0.142	0.164	0.136
	Level8&9	Back Side 15mm	0.178	0.096	0.200	0.088	0.016	0.290	0.394	0.282
LTE B4	Level8&9	Front Side 15mm	0.075	0.029	0.051	0.023	0.008	0.112	0.134	0.106
	Level8&9	Back Side 15mm	0.127	0.096	0.200	0.088	0.016	0.239	0.343	0.231
LTE B5	Level8&9	Front Side 15mm	0.127	0.029	0.051	0.023	0.008	0.163	0.185	0.157
	Level8&9	Back Side 15mm	0.175	0.096	0.200	0.088	0.016	0.288	0.392	0.280
LTE B7	Level8&9	Front Side 15mm	0.087	0.029	0.051	0.023	0.008	0.124	0.146	0.118
	Level8&9	Back Side 15mm	0.097	0.096	0.200	0.088	0.016	0.209	0.313	0.201
LTE B38	Level8&9	Front Side 15mm	0.118	0.029	0.051	0.023	0.008	0.155	0.177	0.149
	Level8&9	Back Side 15mm	0.128	0.096	0.200	0.088	0.016	0.240	0.344	0.232
LTE B41	Level8&9	Front Side 15mm	0.151	0.029	0.051	0.023	0.008	0.188	0.210	0.182
	Level8&9	Back Side 15mm	0.173	0.096	0.200	0.088	0.016	0.285	0.389	0.277

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

12.2.13 Specific Simultaneous Transmission SAR Evaluation for WWAN Antenna Down and WLAN 5G

Band	Power Reduction	Position	Stand alone SAR				Combined SAR	
			1	2	3	4		
			WWAN	5.3G WIFI MAX	5.6G WIFI MAX	Bluetooth	Sum SAR (1+2+4)	Sum SAR (1+3+4)
WCDMA B2	Level8&9	Front Side 0mm	0.603	0.479	0.308	0.400	1.482	1.311
	Level8&9	Back Side 0mm	1.095	0.210	0.179	0.400	1.705	1.674
	Level8&9	Left Edge 0mm	0.059	0.518	0.360	0.400	0.977	0.818
	Level8&9	Right Edge 0mm	0.354	0.106	0.131	0.400	0.861	0.885
	Level8&9	Bottom Edge 0mm	1.758	0.005	0.006	0.400	2.162	**2.163**
LTE B2	Level8&9	Front Side 0mm	0.562	0.479	0.308	0.400	1.441	1.270
	Level8&9	Back Side 0mm	1.043	0.210	0.179	0.400	1.653	1.622
	Level8&9	Left Edge 0mm	0.071	0.518	0.360	0.400	0.989	0.830
	Level8&9	Right Edge 0mm	0.350	0.106	0.131	0.400	0.856	0.880
	Level8&9	Bottom Edge 0mm	1.285	0.005	0.006	0.400	1.690	1.691

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 10g SAR is 2.163 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
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	2018/11/5	2021/11/04
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2020/02/17	2021/02/16
E-Field Probe	Speag	EX3DV4	SN: 7510	2019/08/02	2020/08/01
Data Acquisition Electronics	Speag	DAE4	SN: 1454	2019/08/02	2020/08/01
Signal Generator	R&S	SMB100A	177746	2020/06/08	2021/06/07
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2019/10/30	2020/10/29
Power Sensor	R&S	NRV-Z4	100381	2019/10/30	2020/10/29
Power Sensor	R&S	NRV-Z2	100211	2019/10/30	2020/10/29
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	2019/11/02	2020/11/01
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. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2020.07.26	Head	835	21.4	0.89	41.85	0.90	41.50	-1.11	0.84
2020.07.27	Head	835	21.3	0.91	41.54	0.90	41.50	1.11	0.10
2020.07.28	Head	835	21.2	0.90	41.46	0.90	41.50	0.00	-0.10
2020.07.29	Head	835	21.6	0.91	41.78	0.90	41.50	1.11	0.67
2020.07.08	Head	1750	21.3	1.39	40.11	1.37	40.08	1.46	0.07
2020.07.09	Head	1750	21.4	1.37	39.93	1.37	40.08	0.00	-0.37
2020.07.10	Head	1750	21.5	1.38	40.20	1.37	40.08	0.73	0.30
2020.07.11	Head	1900	21.6	1.41	39.72	1.40	40.00	0.71	-0.70
2020.07.12	Head	1900	21.3	1.41	40.22	1.40	40.00	0.71	0.55
2020.07.13	Head	1900	21.2	1.39	40.11	1.40	40.00	-0.71	0.27
2020.07.14	Head	1900	21.5	1.40	40.09	1.40	40.00	0.00	0.23
2020.07.15	Head	2450	21.6	1.80	39.37	1.80	39.20	0.00	0.43
2020.07.30	Head	2450	21.5	1.77	39.85	1.80	39.20	-1.67	1.66
2020.07.16	Head	2600	21.4	1.96	39.59	1.96	39.01	0.00	1.49
2020.07.17	Head	2600	21.5	1.97	39.45	1.96	39.01	0.51	1.13
2020.07.18	Head	2600	21.8	1.96	39.31	1.96	39.01	0.00	0.77
2020.07.19	Head	2600	21.4	1.94	38.92	1.96	39.01	-1.02	-0.23
2020.07.30	Head	2600	21.5	1.97	38.35	1.96	39.01	0.51	-1.69
2020.07.31	Head	2600	21.5	1.95	39.25	1.96	39.01	-0.51	0.62
2020.07.22	Head	5200	21.6	4.76	36.32	4.66	35.99	2.15	0.92
2020.07.22	Head	5300	21.6	4.76	35.39	4.76	35.87	0.00	-1.34
2020.07.23	Head	5500	21.6	4.91	36.34	4.96	35.64	-1.01	1.96
2020.07.24	Head	5600	21.4	5.05	35.30	5.07	35.53	-0.39	-0.65
2020.07.25	Head	5800	21.3	5.23	35.54	5.27	35.30	-0.76	0.68
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2020.07.26	Head	835	100	0.958	9.58	9.49	0.95
2020.07.27	Head	835	100	0.914	9.14	9.49	-3.69
2020.07.28	Head	835	100	0.957	9.57	9.49	0.84
2020.07.29	Head	835	100	0.945	9.45	9.49	-0.42
2020.07.08	Head	1750	100	3.810	38.10	36.80	3.53
2020.07.09	Head	1750	100	3.71	37.10	36.80	0.82
2020.07.10	Head	1750	100	3.73	37.30	36.80	1.36
2020.07.11	Head	1900	100	3.87	38.70	39.40	-1.78
2020.07.12	Head	1900	100	4.04	40.40	39.40	2.54
2020.07.13	Head	1900	100	4.03	40.30	39.40	2.28
2020.07.14	Head	1900	100	3.85	38.50	39.40	-2.28
2020.07.15	Head	2450	100	5.05	50.50	52.60	-3.99
2020.07.30	Head	2450	100	5.06	50.60	52.60	-3.80
2020.07.16	Head	2600	100	5.47	54.70	56.30	-2.84
2020.07.17	Head	2600	100	5.59	55.90	56.30	-0.71
2020.07.18	Head	2600	100	5.42	54.20	56.30	-3.73
2020.07.19	Head	2600	100	5.53	55.30	56.30	-1.78
2020.07.30	Head	2600	100	5.7	57.00	56.30	1.24
2020.07.31	Head	2600	100	5.51	55.10	56.30	-2.13
2020.07.22	Head	5200	100	7.55	75.50	73.90	2.17
2020.07.22	Head	5300	100	7.49	74.90	78.10	-4.10
2020.07.23	Head	5500	100	8.69	86.90	81.10	7.15
2020.07.24	Head	5600	100	8.47	84.70	80.30	5.48
2020.07.25	Head	5800	100	7.68	76.80	76.90	-0.13
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2020.07.11	Head	1900	100	2.080	20.80	20.40	1.96
2020.07.12	Head	1900	100	2.140	21.40	20.40	4.90
2020.07.13	Head	1900	100	2.100	21.00	20.40	2.94
2020.07.14	Head	1900	100	2.010	20.10	20.40	-1.47
2020.07.22	Head	5300	100	2.070	20.70	22.20	-6.76
2020.07.24	Head	5600	100	2.400	24.00	22.60	6.19
Note: The tolerance limit of System validation ±10%.							

System Performance Check Data (835MHz Head)

Date: 2020.07.26

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

Medium parameters used: f = 835 MHz; σ = 0.889 S/m; ε_r = 41.852; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

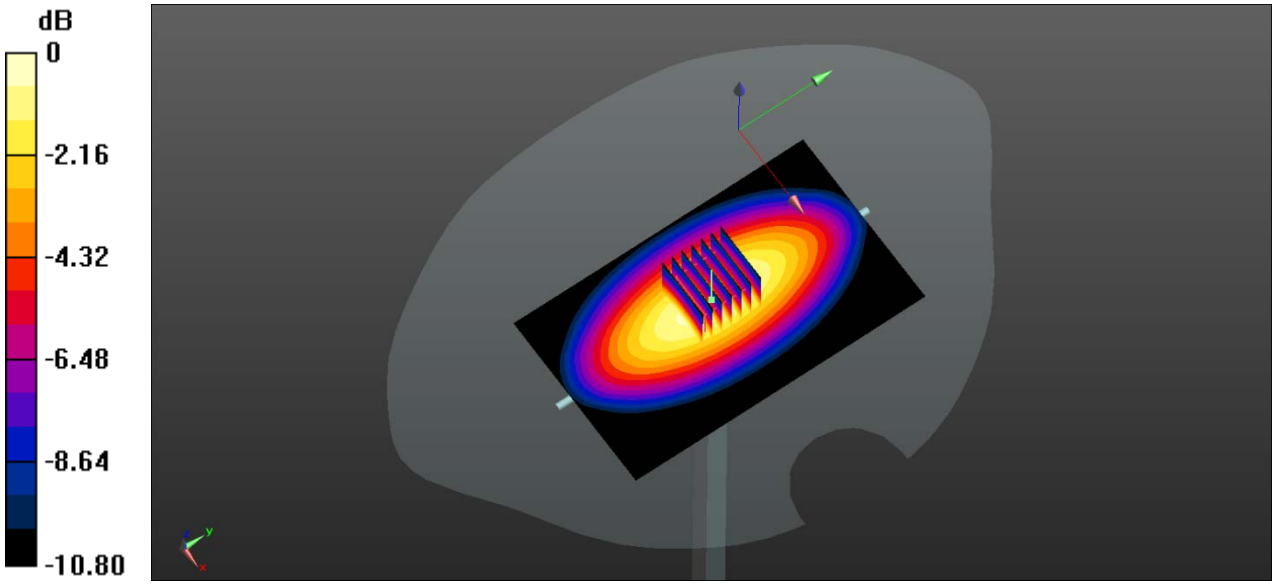
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.621 W/kg

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



0 dB = 1.05 W/kg

System Performance Check Data (835MHz Head)

Date: 2020.07.27

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

Medium parameters used: f = 835 MHz; σ = 0.908 S/m; ε_r = 41.542; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

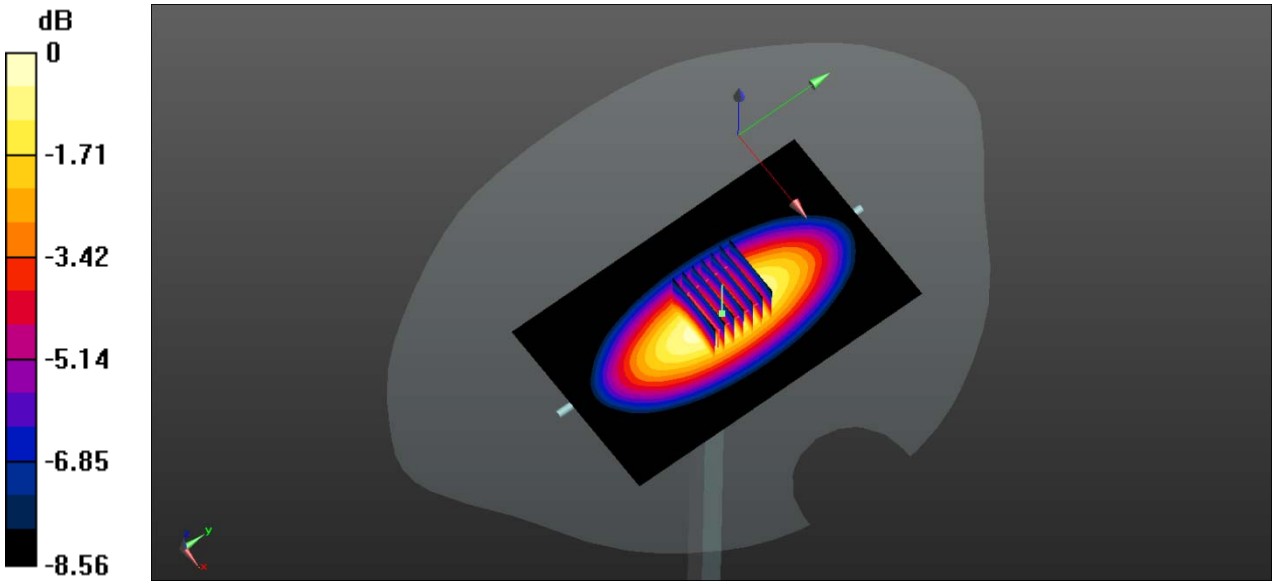
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.914 W/kg; SAR(10 g) = 0.629 W/kg

Maximum value of SAR (measured) = 0.983 W/kg



0 dB = 0.983 W/kg

System Performance Check Data (835MHz Head)

Date: 2020.07.28

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

Medium parameters used: f = 835 MHz; σ = 0.901 S/m; ε_r = 41.463; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

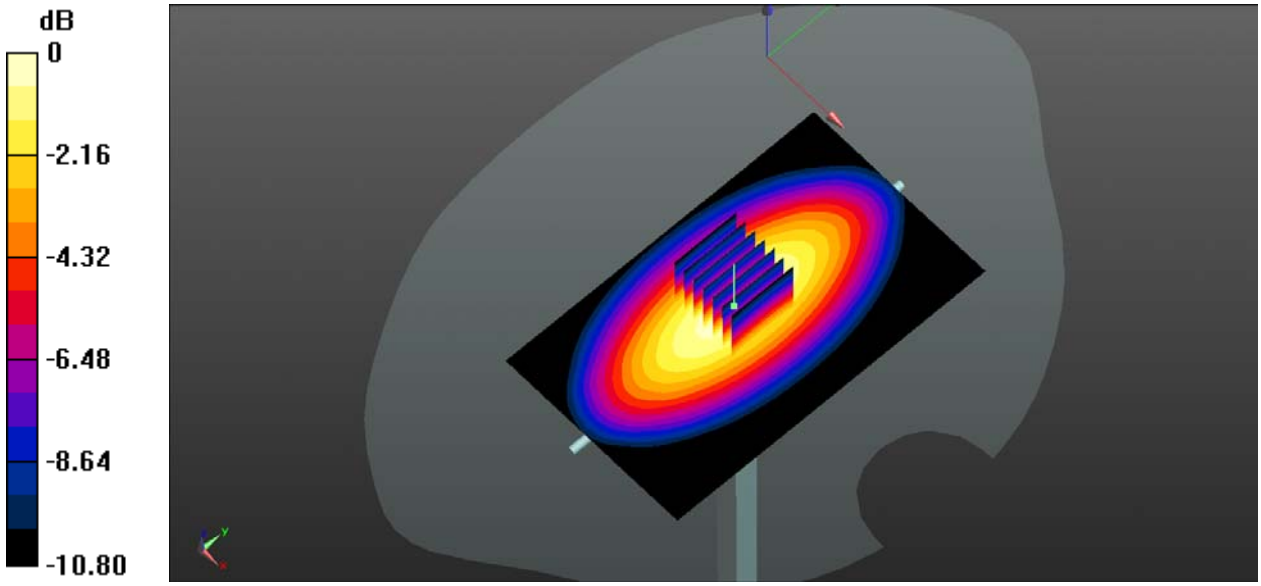
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.957 W/kg; SAR(10 g) = 0.619 W/kg

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg

System Performance Check Data (835MHz Head)

Date: 2020.07.29

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

Medium parameters used: f = 835 MHz; σ = 0.909 S/m; ε_r = 41.775; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 1.01 W/kg

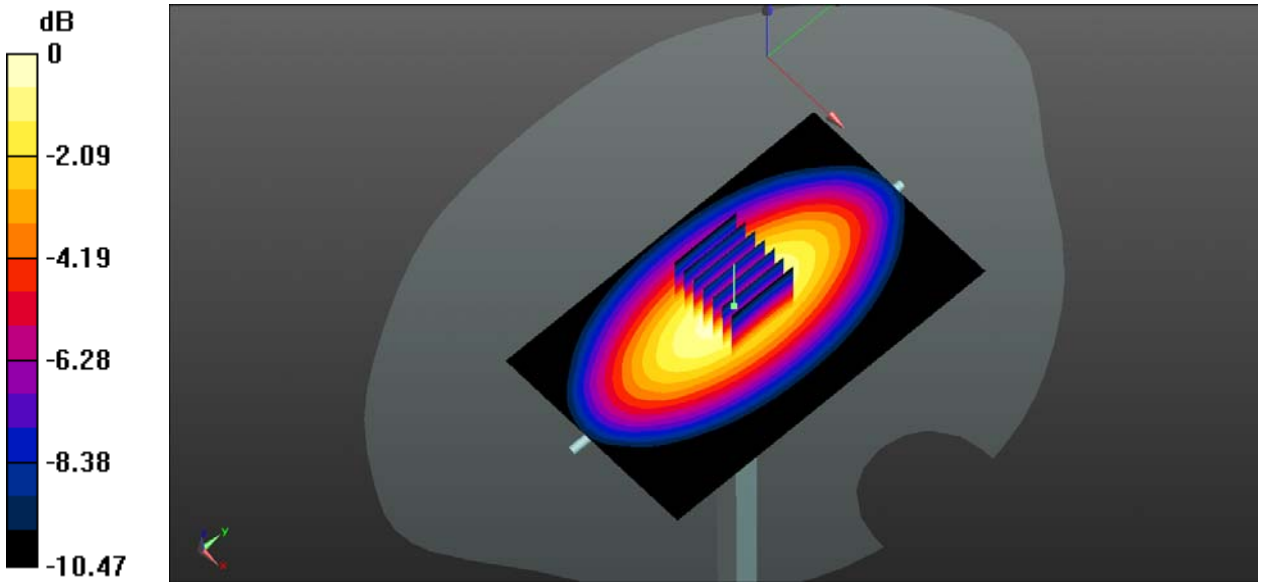
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.15 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.945 W/kg; SAR(10 g) = 0.618 W/kg

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



0 dB = 1.02 W/kg

System Performance Check Data (1750MHz Head)

Date: 2020.07.08

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.39 S/m; ε_r = 40.108; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- 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

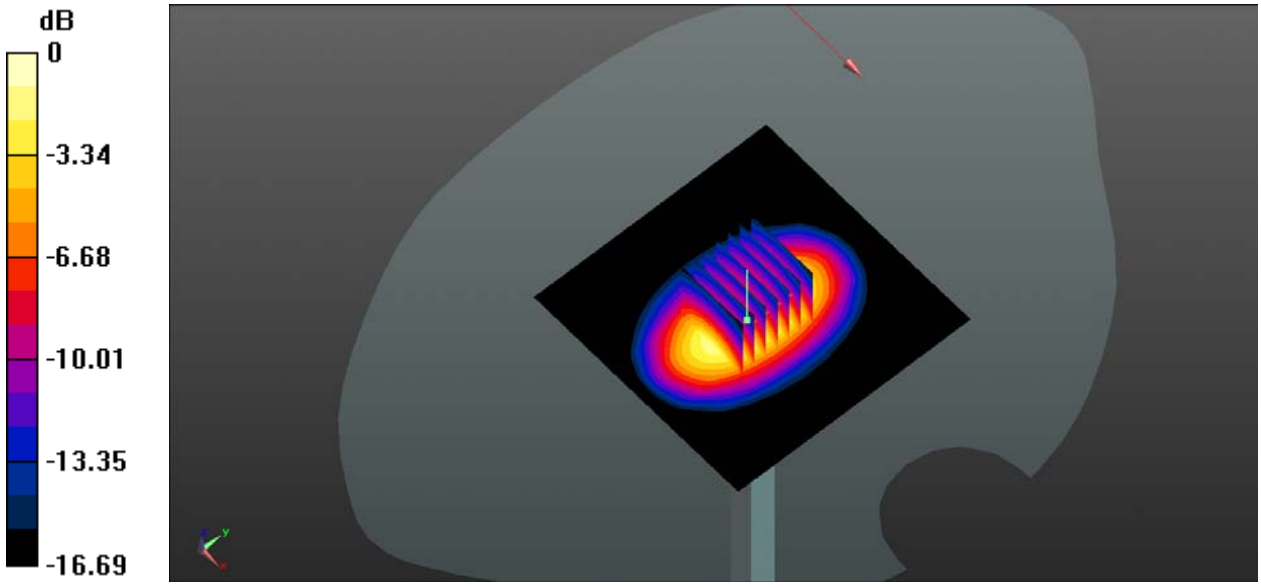
CW1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 7.04 W/kg

SAR(1 g) = 3.81 W/kg; SAR(10 g) = 2 W/kg

Maximum value of SAR (measured) = 4.30 W/kg



0 dB = 4.30 W/kg

System Performance Check Data (1750MHz Head)

Date: 2020.07.09

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

Medium parameters used: f = 1750 MHz; σ = 1.374 S/m; ε_r = 39.927; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.19 W/kg

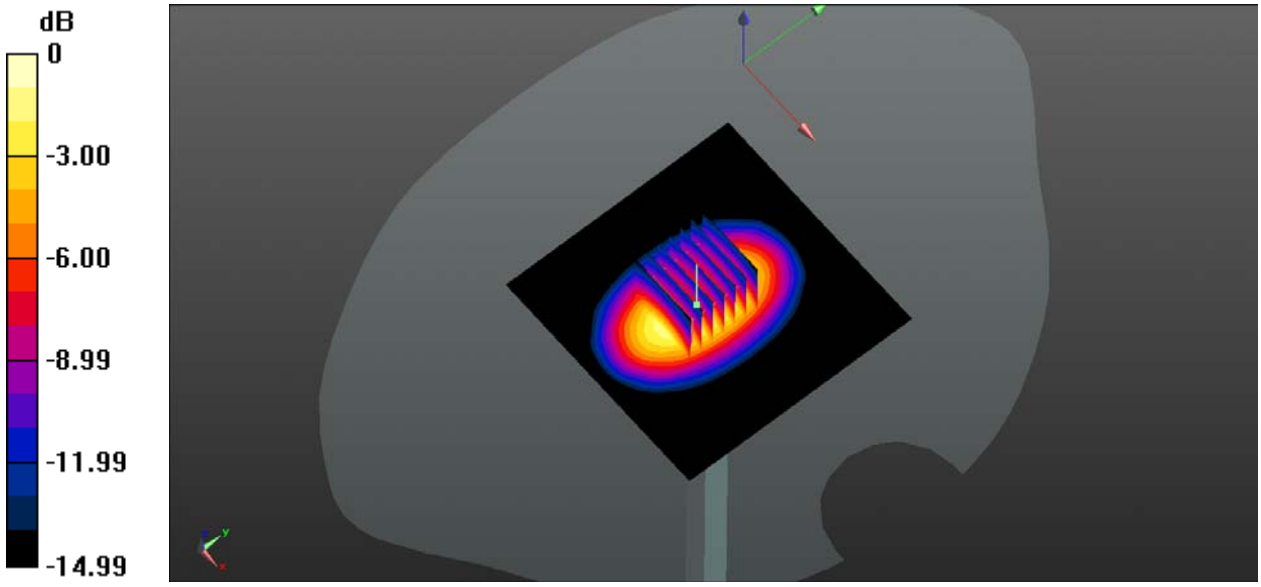
CW 1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 6.48 W/kg

SAR(1 g) = 3.71 W/kg; SAR(10 g) = 2.04 W/kg

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



0 dB = 4.18 W/kg

System Performance Check Data (1750MHz Head)

Date: 2020.07.10

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.377 S/m; ε_r = 40.204; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

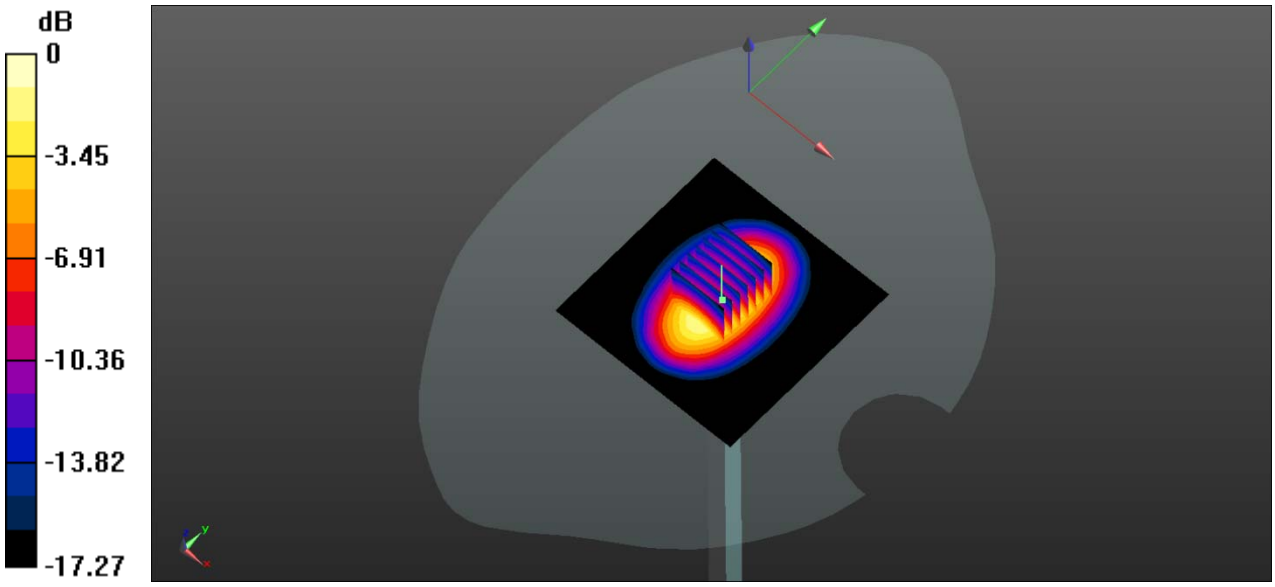
CW1750 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 6.97 W/kg

SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.96 W/kg

Maximum value of SAR (measured) = 4.19 W/kg



0 dB = 4.19 W/kg

System Performance Check Data (1900MHz Head)

Date: 2020.07.11

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

Medium parameters used: f = 1900 MHz; σ = 1.405 S/m; ε_r = 39.718; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom:SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.38 W/kg

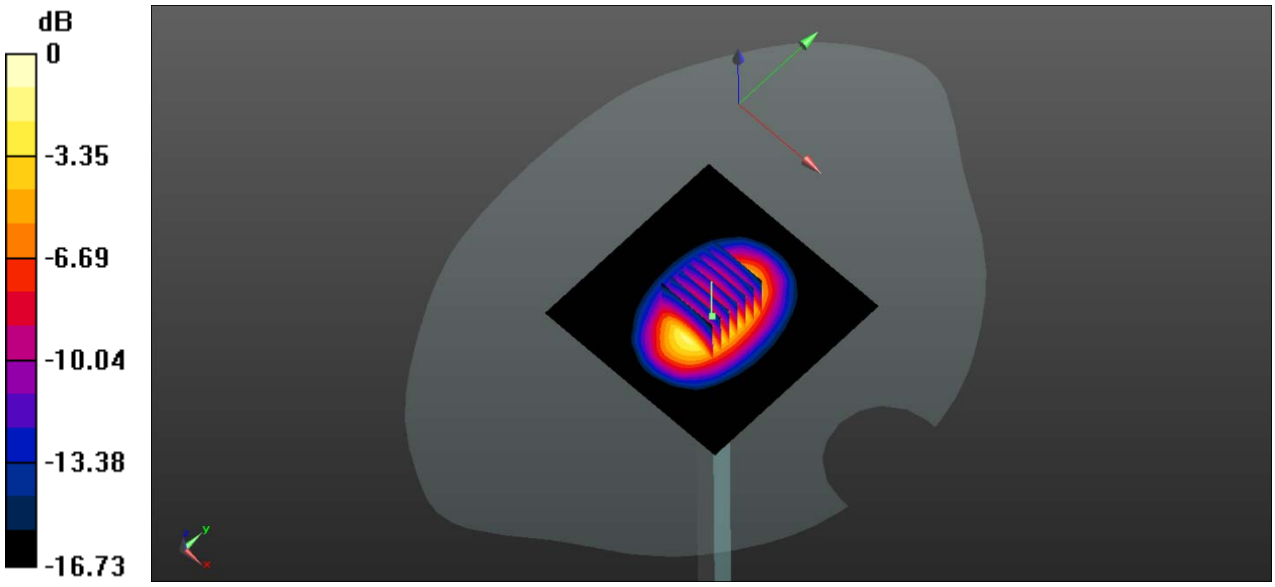
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.95 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 7.01 W/kg

SAR(1 g) = 3.87 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 (1900MHz Head)

Date: 2020.07.12

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

Medium parameters used: f = 1900 MHz; σ = 1.412 S/m; ε_r = 40.218; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom:SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.55 W/kg

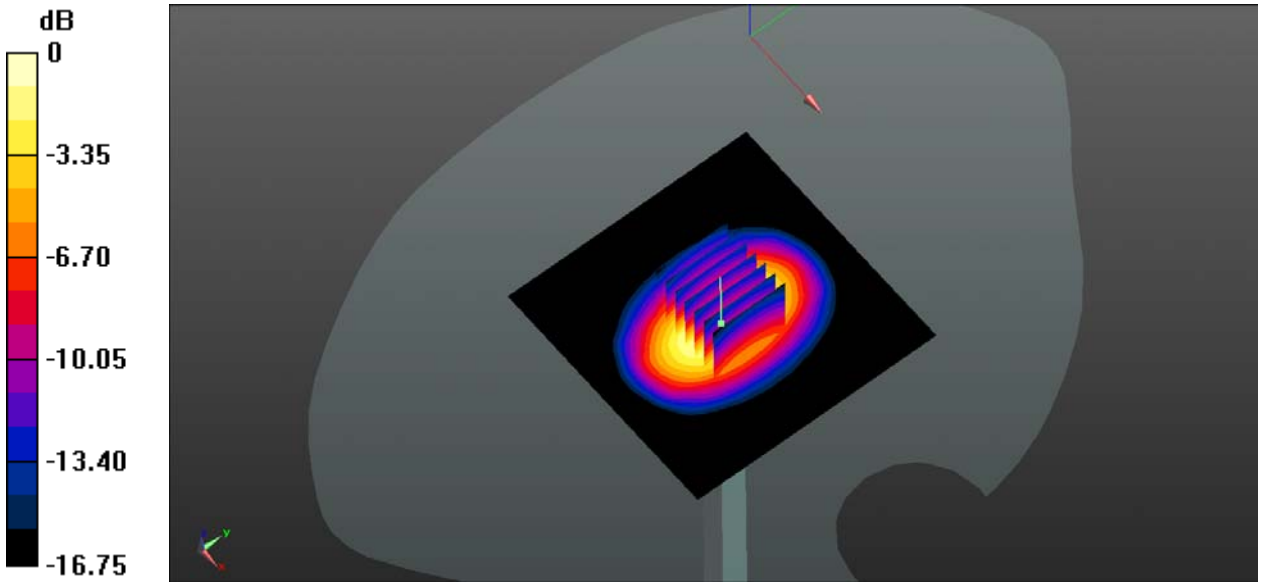
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.76 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 7.32 W/kg

SAR(1 g) = 4.04 W/kg; SAR(10 g) = 2.14 W/kg

Maximum value of SAR (measured) = 4.55 W/kg



0 dB = 4.55 W/kg

System Performance Check Data (1900MHz Head)

Date: 2020.07.13

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

Medium parameters used: f = 1900 MHz; σ = 1.392 S/m; ε_r = 40.108; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom:SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.54 W/kg

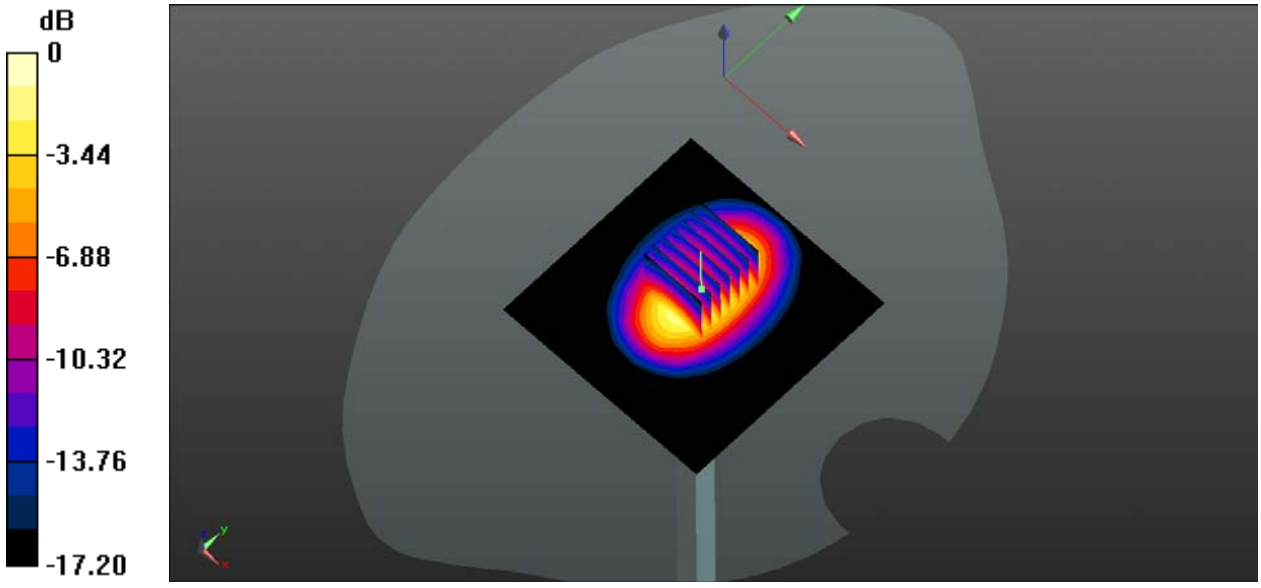
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 7.51 W/kg

SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.1 W/kg

Maximum value of SAR (measured) = 4.54 W/kg



0 dB = 4.54 W/kg

System Performance Check Data (1900MHz Head)

Date: 2020.07.14

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

Medium parameters used: f = 1900 MHz; σ = 1.4021 S/m; ε_r = 40.085; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom:SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

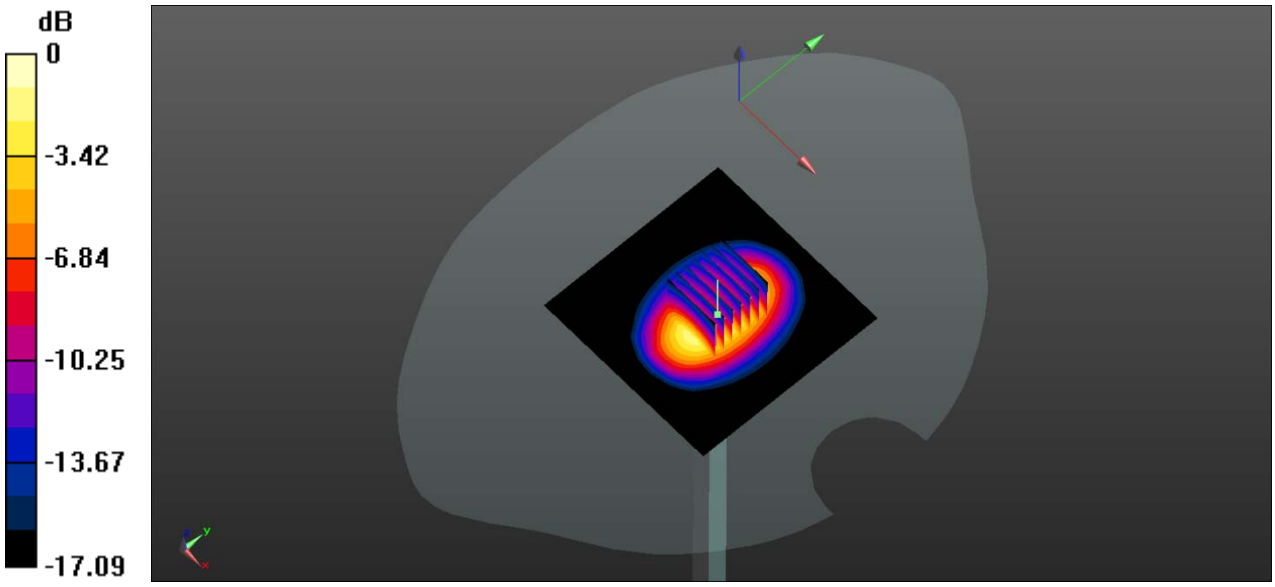
CW1900 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 7.21 W/kg

SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.01 W/kg

Maximum value of SAR (measured) = 4.36 W/kg



0 dB = 4.36 W/kg

System Performance Check Data (2450MHz Head)

Date: 2020.07.15

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

Medium parameters used: f = 2450 MHz; σ = 1.801 S/m; ε_r = 39.374; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.81, 7.81, 7.81); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.91 W/kg

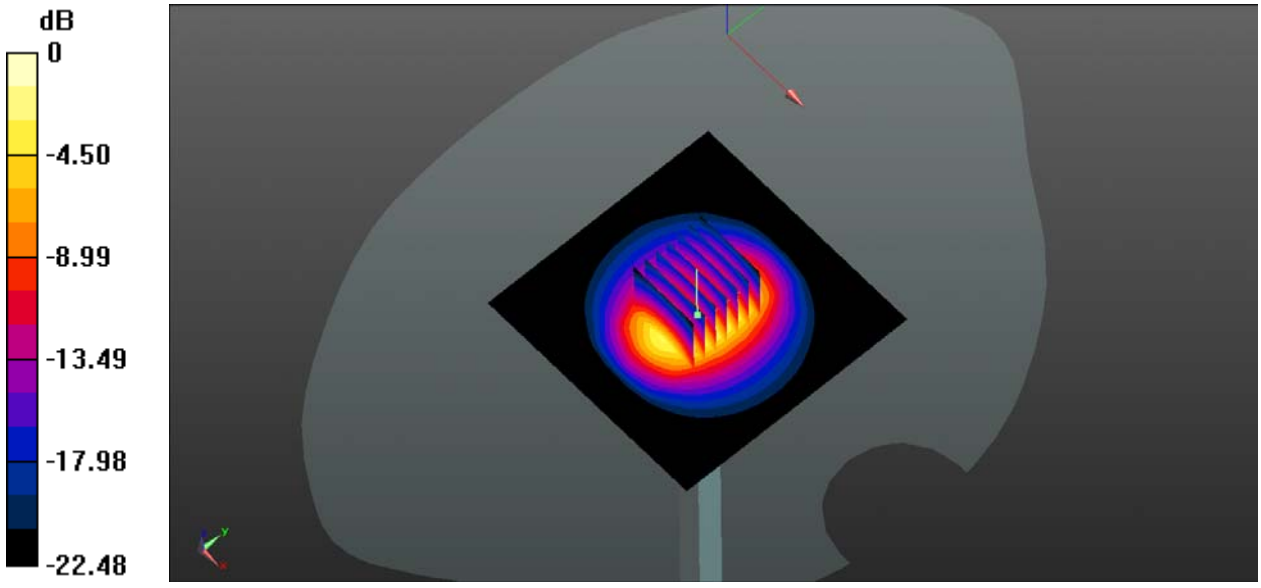
CW 2450 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.65 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 10.7 W/kg

SAR(1 g) = 5.05 W/kg; SAR(10 g) = 2.3 W/kg

Maximum value of SAR (measured) = 5.81 W/kg



0 dB = 5.81 W/kg

System Performance Check Data (2450MHz Head)

Date: 2020.07.30

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

Medium parameters used: f = 2450 MHz; σ = 1.774 S/m; ε_r = 39.854; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.81, 7.81, 7.81); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

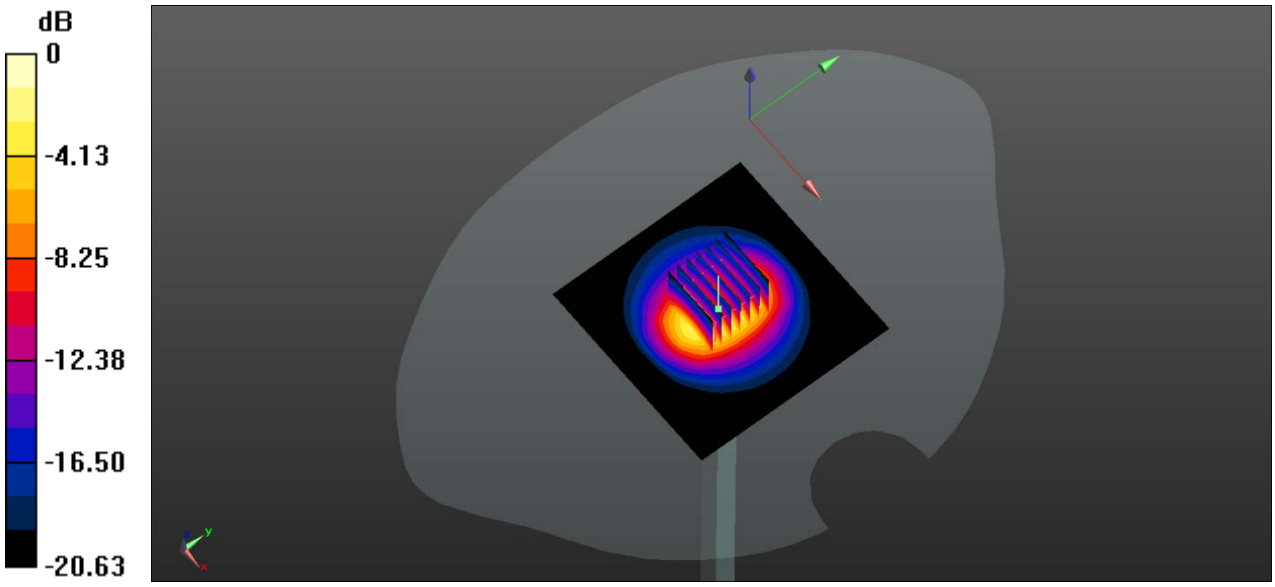
CW2450 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.06 W/kg; SAR(10 g) = 2.29 W/kg

Maximum value of SAR (measured) = 5.73 W/kg



0 dB = 5.73 W/kg

System Performance Check Data (2600MHz Head)

Date: 2020.07.16

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.963 S/m; ε_r = 39.589; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.60 W/kg

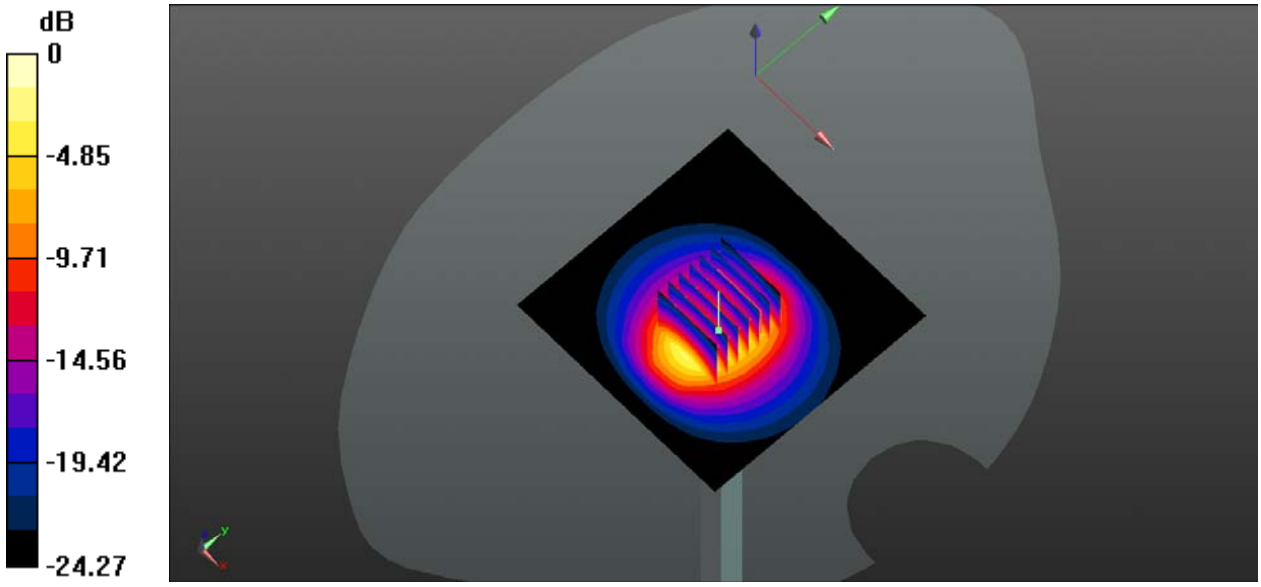
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.47 W/kg; SAR(10 g) = 2.52W/kg

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



0 dB = 6.71W/kg

System Performance Check Data (2600MHz Head)

Date: 2020.07.17

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.974 S/m; ε_r = 39.448; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.46 W/kg

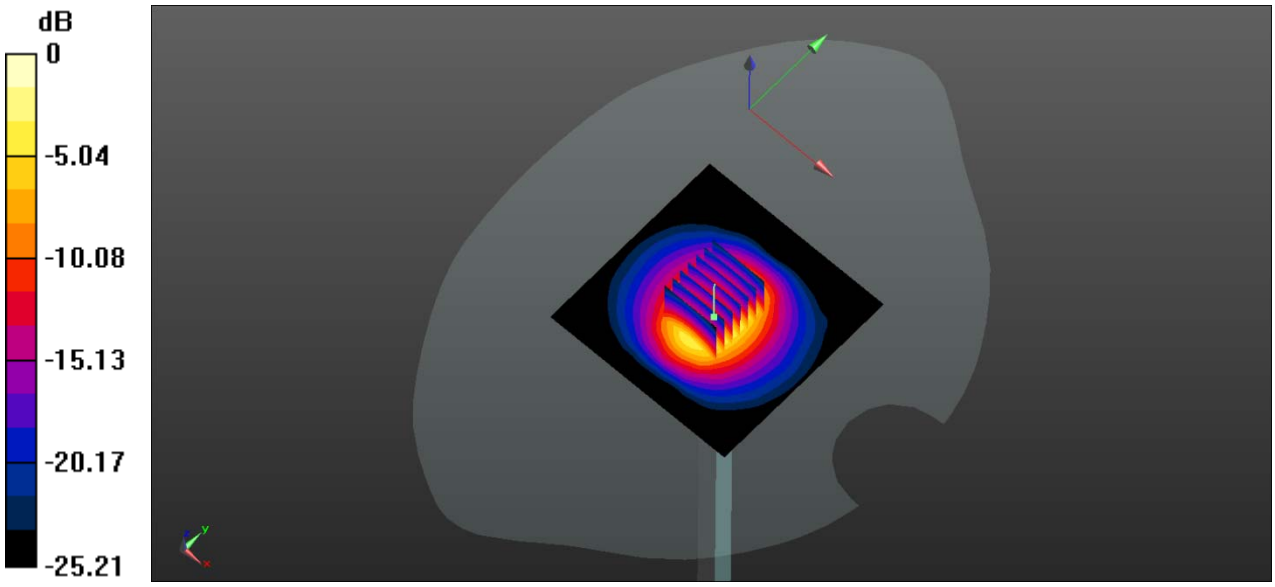
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.59 W/kg; SAR(10 g) = 2.45 W/kg

Maximum value of SAR (measured) = 6.43 W/kg



0 dB = 6.43 W/kg

System Performance Check Data (2600MHz Head)

Date: 2020.07.18

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

Medium parameters used: f = 2600 MHz; σ = 1.955 S/m; ε_r = 39.305; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

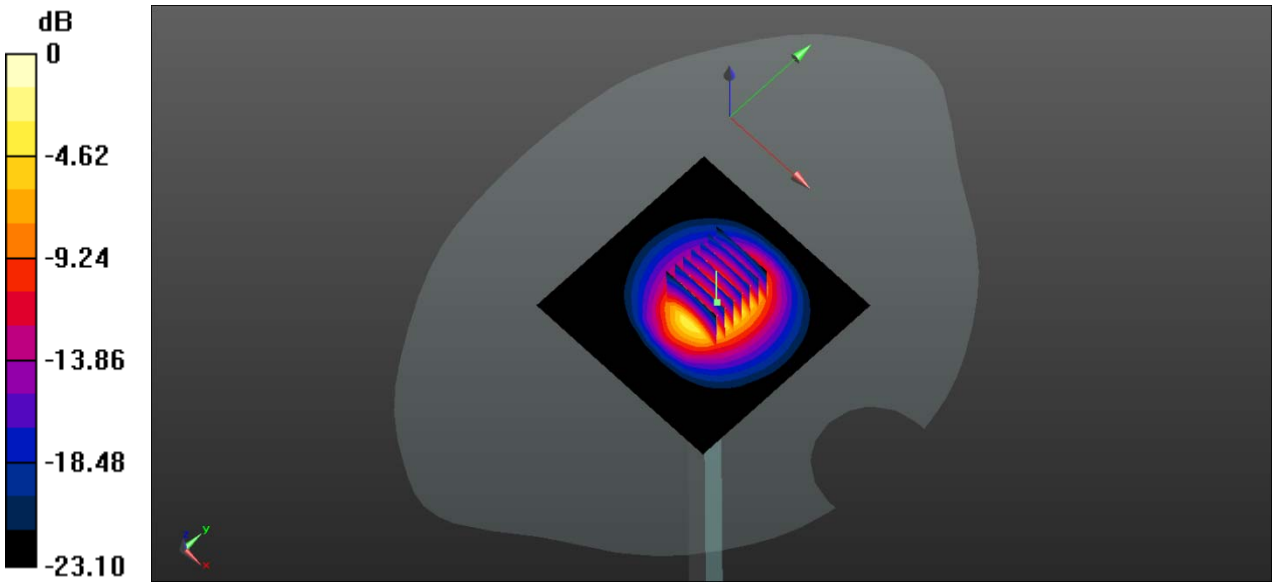
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.42 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 Head)

Date: 2020.07.19

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.94 S/m; ε_r = 38.924; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.60 W/kg

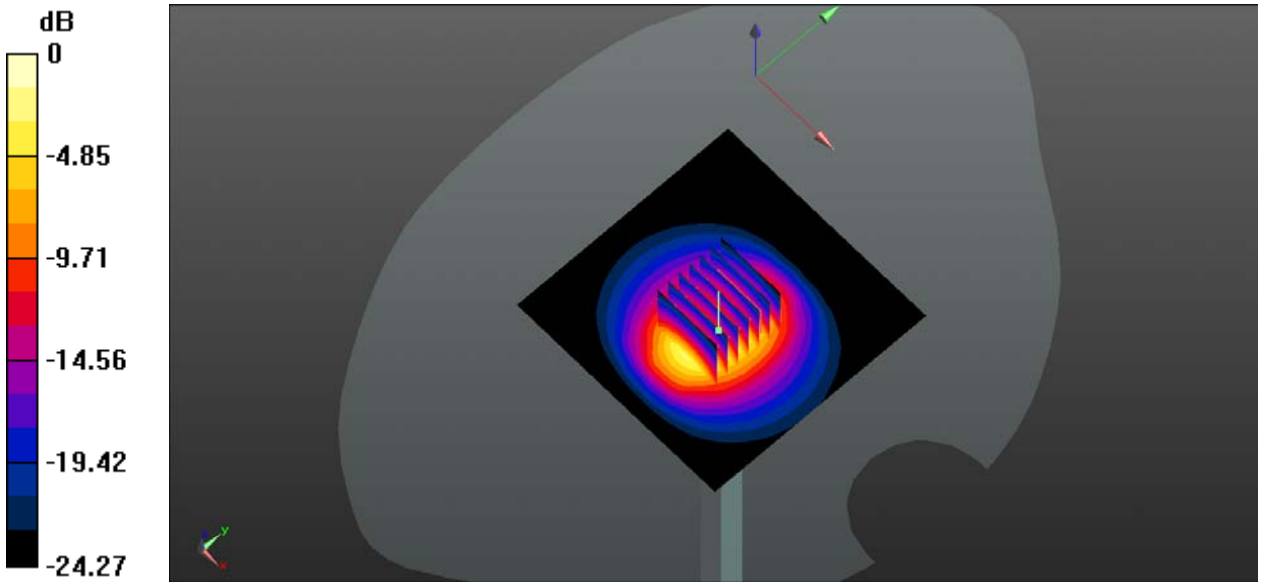
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.53 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 6.37 W/kg



0 dB = 6.37 W/kg

System Performance Check Data (2600MHz Head)

Date: 2020.07.30

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.969 S/m; ε_r = 38.347; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

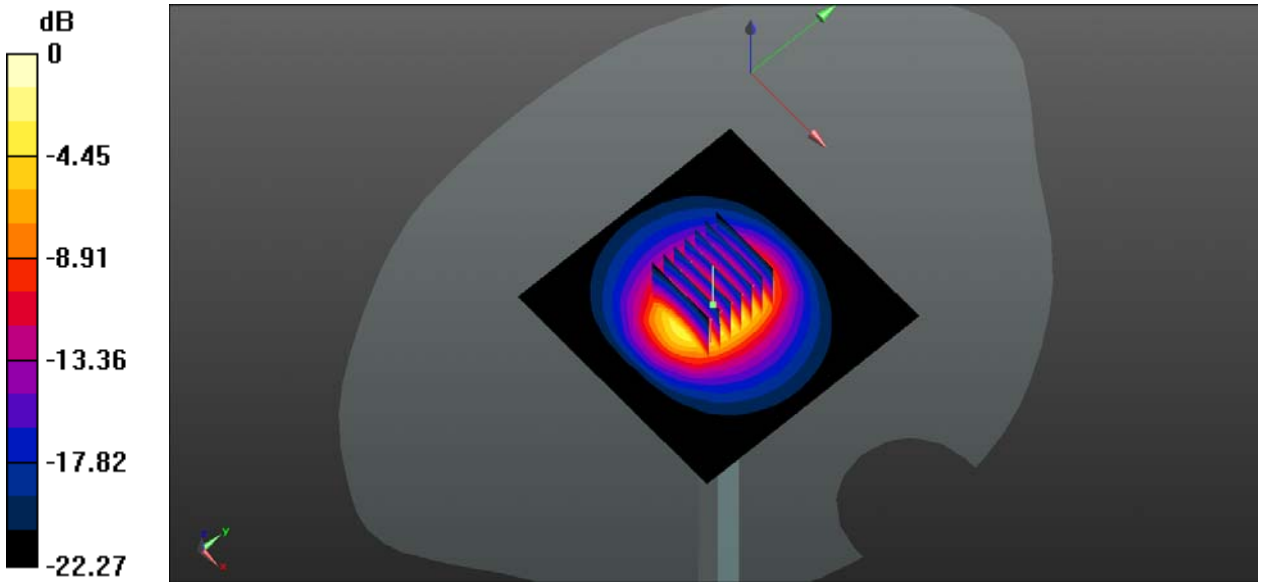
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 5.7 W/kg; SAR(10 g) = 2.49 W/kg

Maximum value of SAR (measured) = 6.50 W/kg



0 dB = 6.50 W/kg

System Performance Check Data (2600MHz Head)

Date: 2020.07.31

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

Medium parameters used: f = 2600 MHz; σ = 1.952 S/m; ε_r = 39.251; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

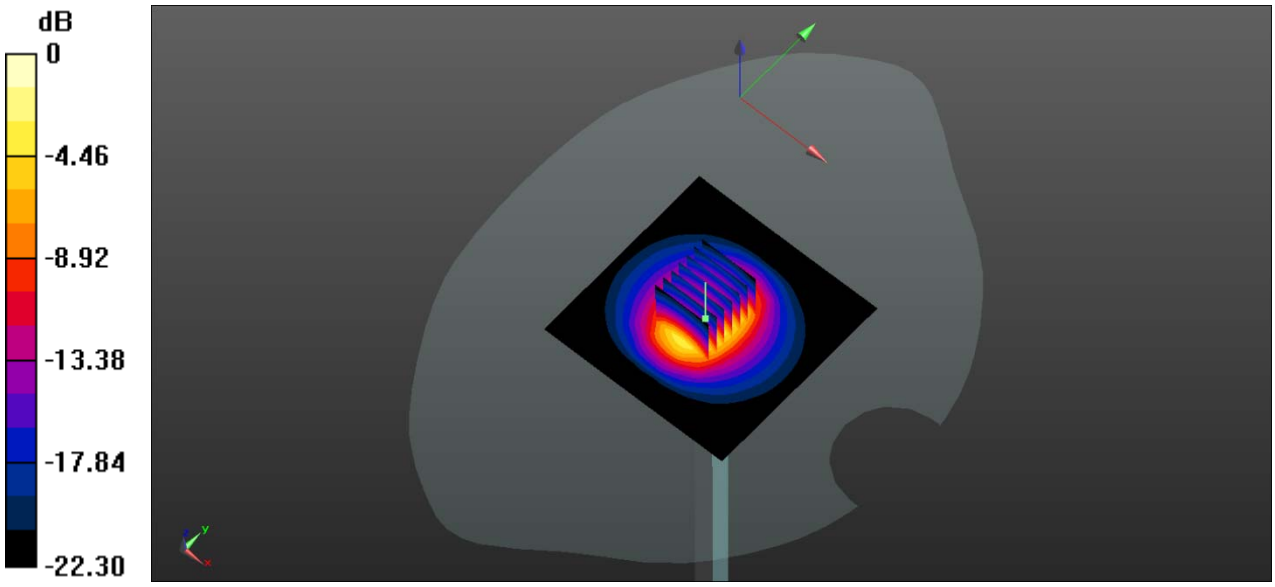
CW2600 HEAD 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.51 W/kg; SAR(10 g) = 2.41 W/kg

Maximum value of SAR (measured) = 6.28 W/kg



0 dB = 6.28 W/kg

System Performance Check Data (5200MHz Head)

Date: 2020.07.22

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

Medium parameters used: f = 5200 MHz; σ = 4.758 S/m; ε_r = 36.323; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.51, 5.51, 5.51); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

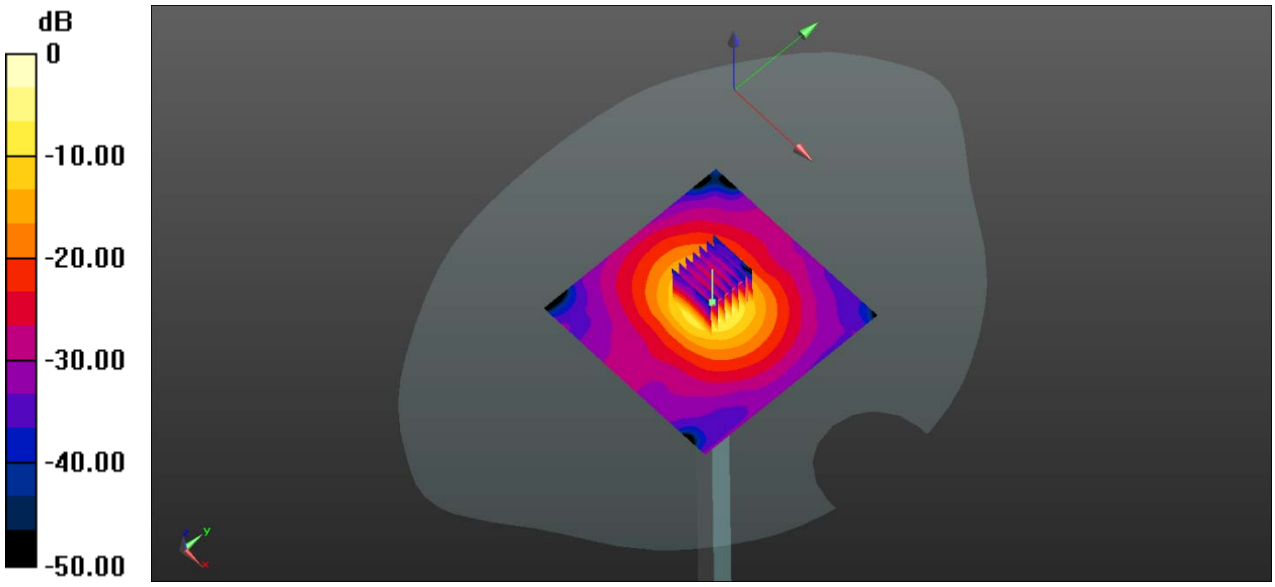
CW 5200 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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

Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 7.55 W/kg; SAR(10 g) = 2.15 W/kg

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



0 dB = 19.1 W/kg

System Performance Check Data (5300MHz Head)

Date: 2020.07.22

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

Medium parameters used: f = 5300 MHz; σ = 4.758 S/m; ε_r = 35.389; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.51, 5.51, 5.51); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

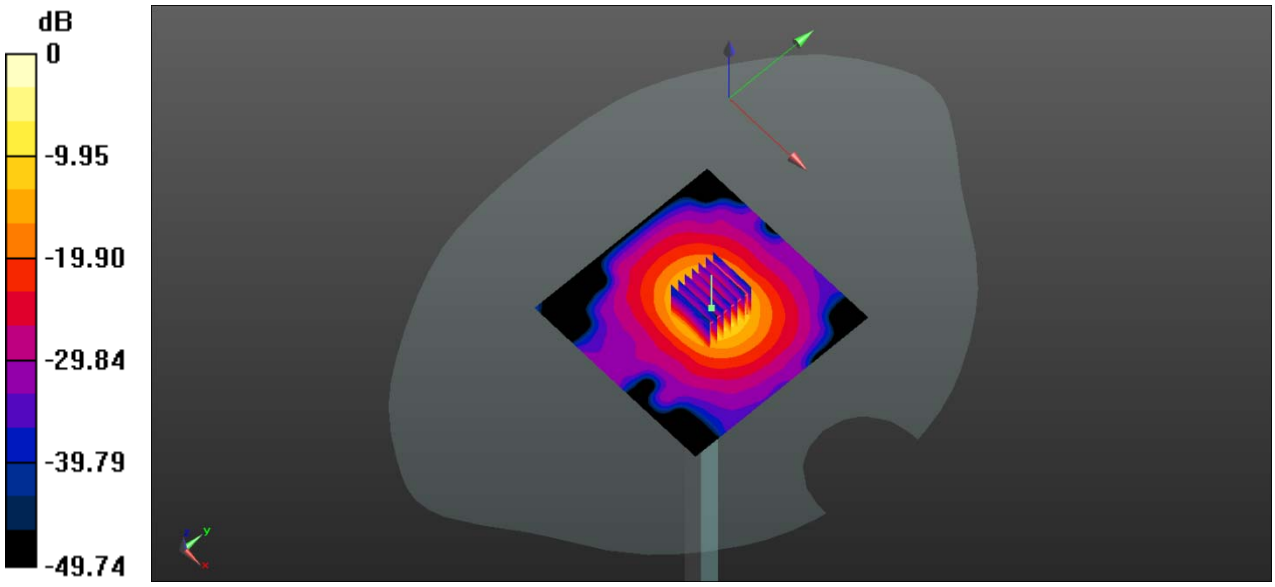
CW 5300 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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

Peak SAR (extrapolated) = 31.8 W/kg

SAR(1 g) = 7.49 W/kg; SAR(10 g) = 2.07 W/kg

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



0 dB = 18.9 W/kg

System Performance Check Data (5500MHz Head)

Date: 2020.07.23

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

Medium parameters used: f = 5500 MHz; σ = 4.914 S/m; ε_r = 36.335; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.8, 4.8, 4.8); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5500 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.85 W/kg

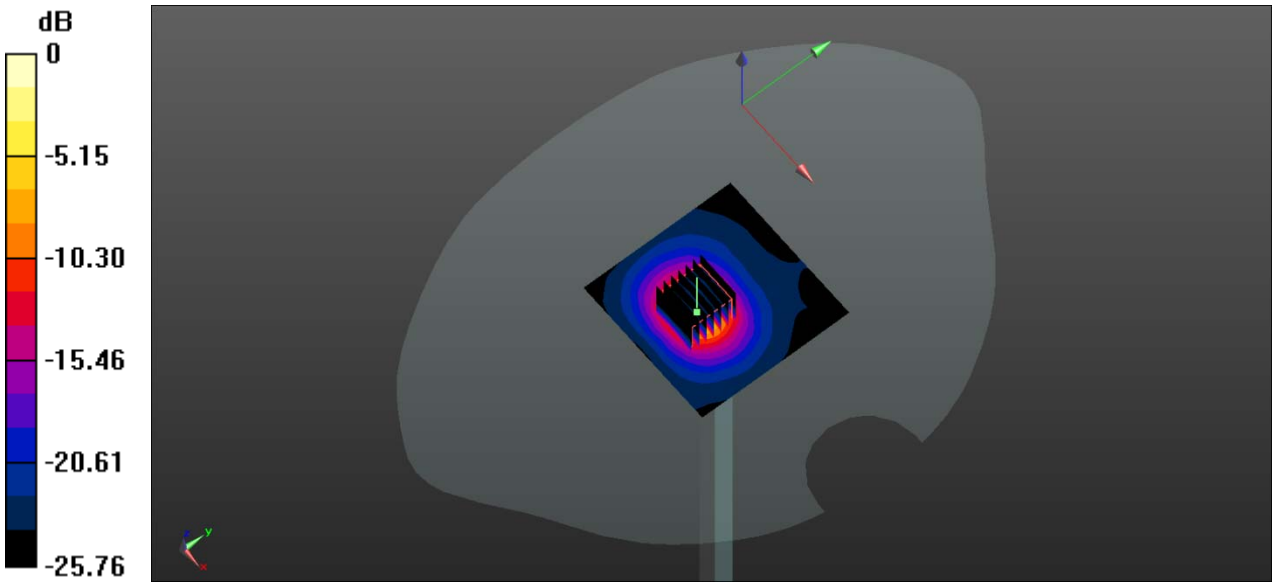
CW 5500 100mW/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 26.78 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 41.4 W/kg

SAR(1 g) = 8.69 W/kg; SAR(10 g) = 2.35 W/kg

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



0 dB = 20.2 W/kg

System Performance Check Data (5600MHz Head)

Date: 2020.07.24

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

Medium parameters used: f = 5600 MHz; σ = 5.045 S/m; ε_r = 35.304; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.8, 4.8, 4.8); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom:SAM (30deg probe tilt) with CRP v5.0 on Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

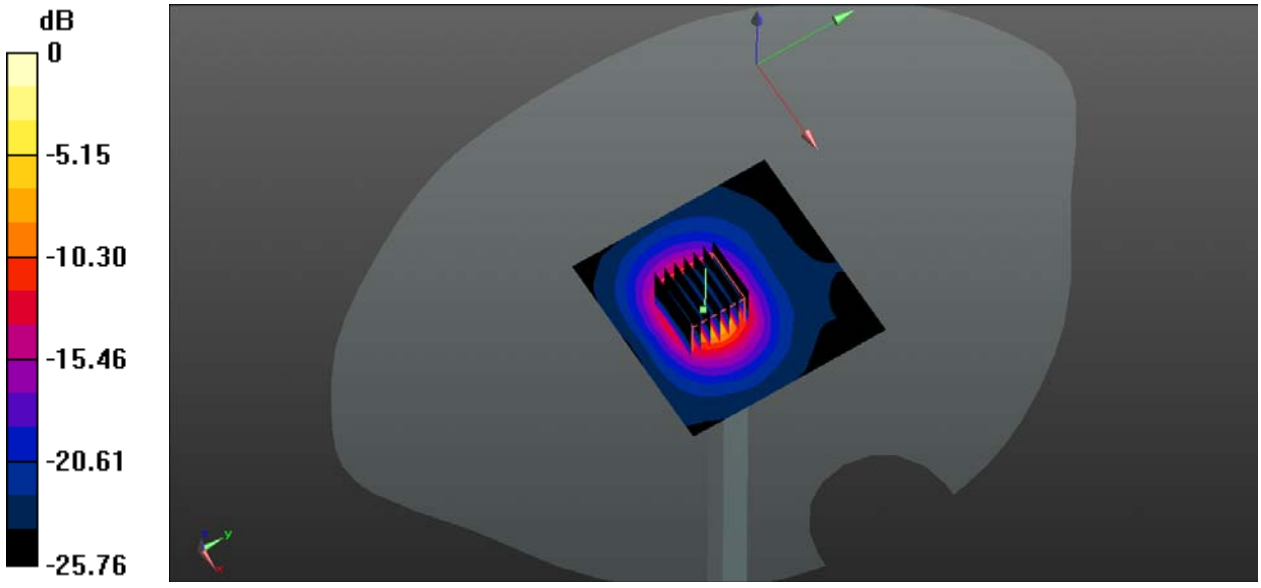
CW 5600 100mW /Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

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

Peak SAR (extrapolated) = 38.21 W/kg

SAR(1 g) = 8.47 W/kg; SAR(10 g) = 2.4 W/kg

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



0 dB = 17.2 W/kg

System Performance Check Data (5800MHz Head)

Date: 2020.07.25

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

Medium parameters used: f = 5800 MHz; σ = 5.228 S/m; ε_r = 35.541; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.06, 5.06, 5.06); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 8.46 W/kg

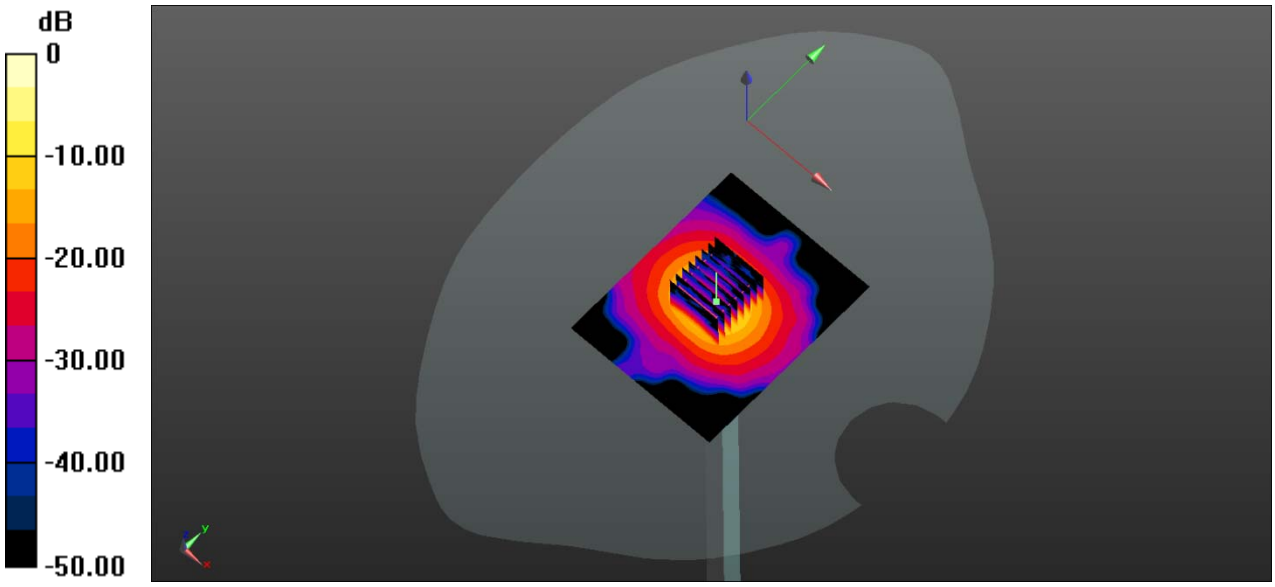
CW 5800 100mW/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 36.33 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 35.3 W/kg

SAR(1 g) = 7.68 W/kg; SAR(10 g) = 2.13 W/kg

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



0 dB = 19.1 W/kg

ANNEX C TEST DATA

MEAS.1 Right Head with Cheek on High Channel in GPRS850 2Slots mode with Antenna Up

Date: 2020.07.26

Communication System Band: GPRS850; Frequency: 848.8 MHz;Duty Cycle: 1:4.15

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.905 S/m; ε_r = 41.723; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.394 W/kg

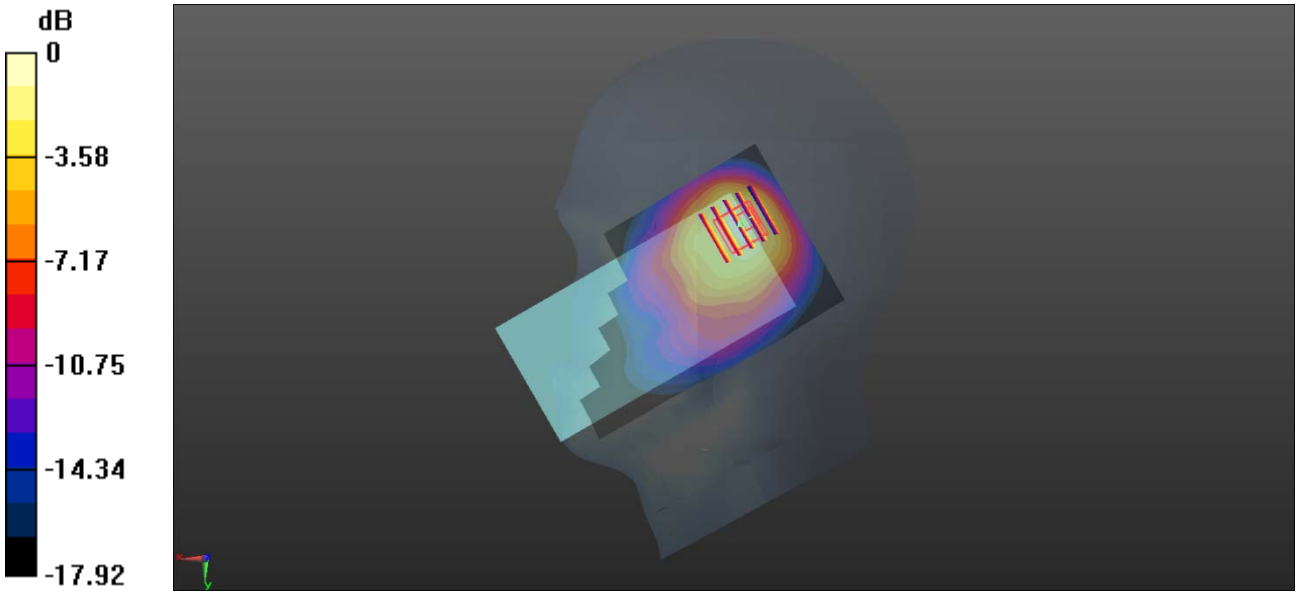
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.39 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.843 W/kg

SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.230 W/kg

Maximum value of SAR (measured) = 0.457 W/kg



0 dB = 0.457 W/kg

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

Date: 2020.07.26

Communication System Band: GPRS850; Frequency: 848.8 MHz;Duty Cycle: 1:4.15

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.905 S/m; ε_r = 41.723; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.184 W/kg

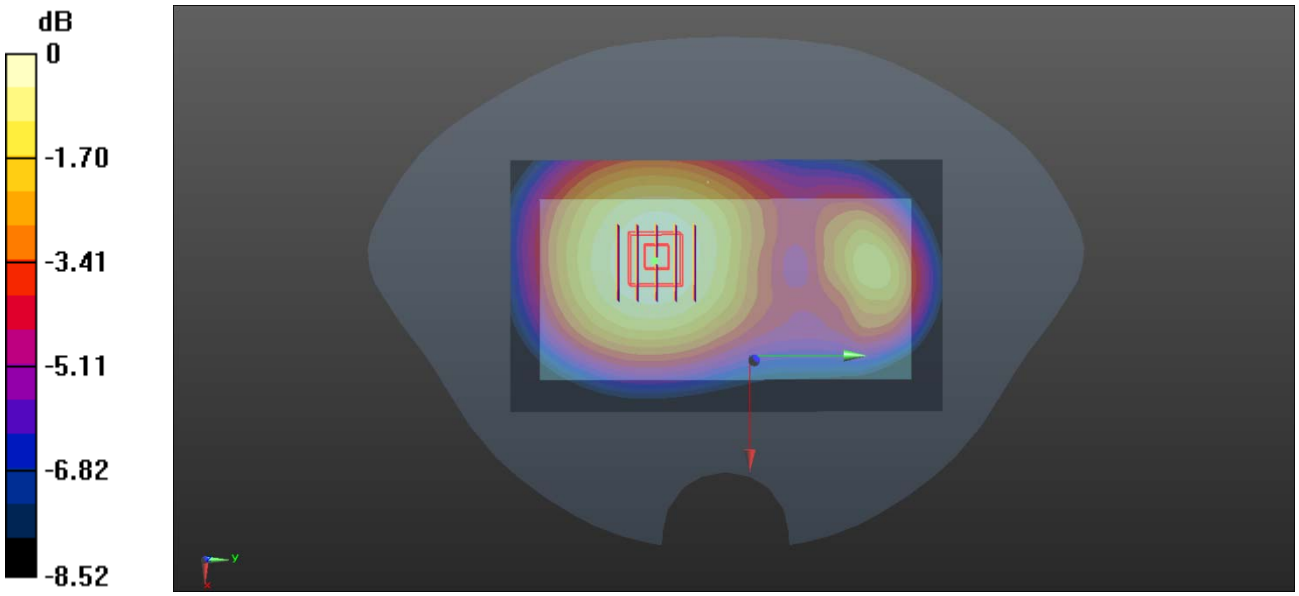
Ch 251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.72 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.129 W/kg

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



0 dB = 0.183 W/kg

MEAS.3 Body Plane with Back Side 10mm on High Channel in GPRS850 2Slots mode with Antenna Down

Date: 2020.07.26

Communication System Band: GPRS850; Frequency: 848.8 MHz;Duty Cycle: 1:4.15

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.905 S/m; ε_r = 41.723; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

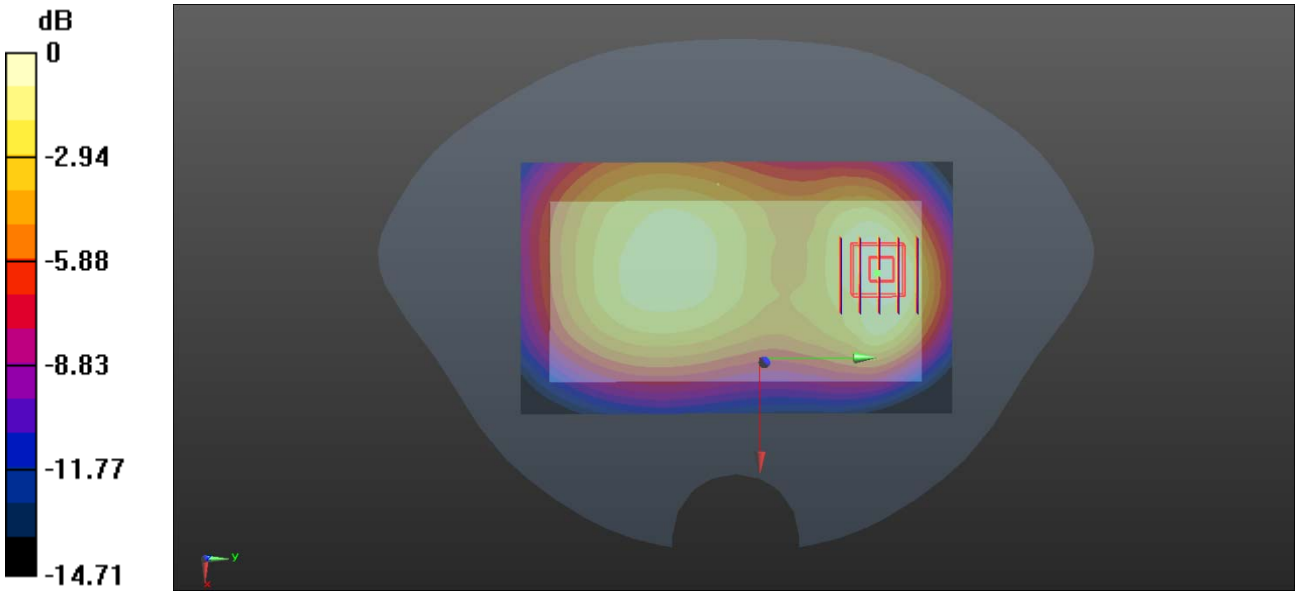
Ch 251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.92 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.415 W/kg

SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.150 W/kg

Maximum value of SAR (measured) = 0.271 W/kg



0 dB = 0.271 W/kg

MEAS.4 Right Head with Cheek on Low Channel in GPRS1900 2Slots mode with Antenna Up

Date: 2020.07.11

Communication System Band: GPRS1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: f = 1850.2 MHz; σ = 1.382 S/m; ε_r = 40.232; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch512/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.577 W/kg

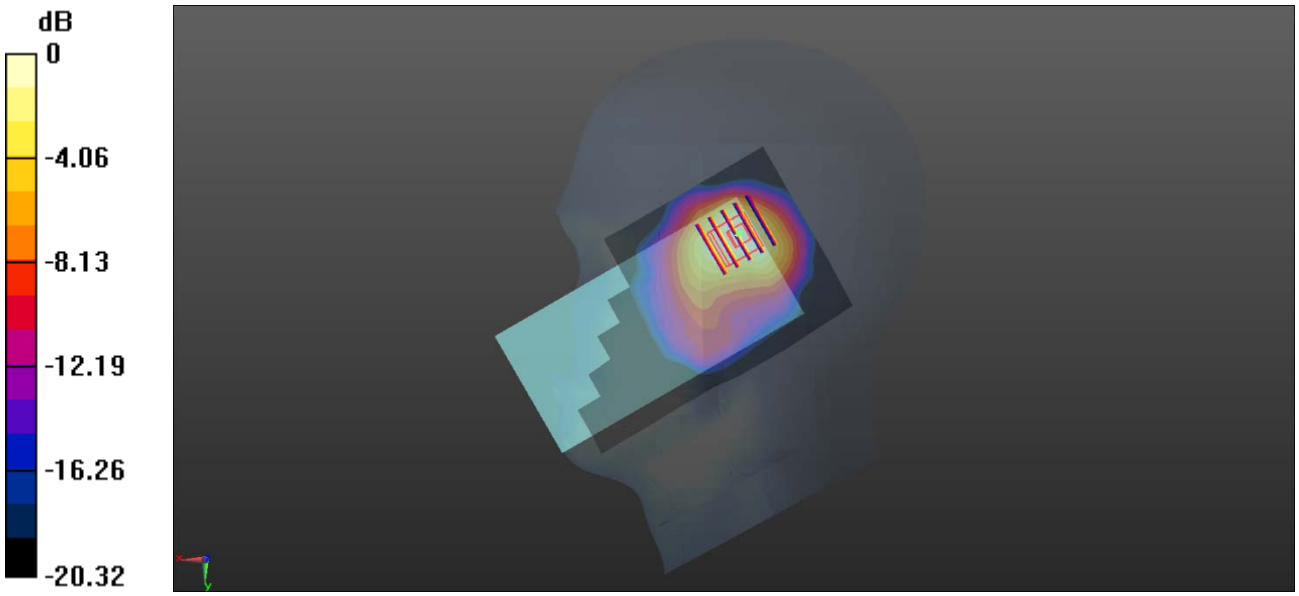
Ch 512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.99 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.890 W/kg

SAR(1 g) = 0.458 W/kg; SAR(10 g) = 0.243 W/kg

Maximum value of SAR (measured) = 0.503 W/kg



0 dB = 0.503 W/kg

MEAS.5 Body Plane with Back Side 15mm on Low Channel in GPRS1900 2Slots mode with Antenna Up

Date: 2020.07.11

Communication System Band: GPRS1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: f = 1850.2 MHz; σ = 1.382 S/m; ε_r = 40.232; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 512/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.145 W/kg

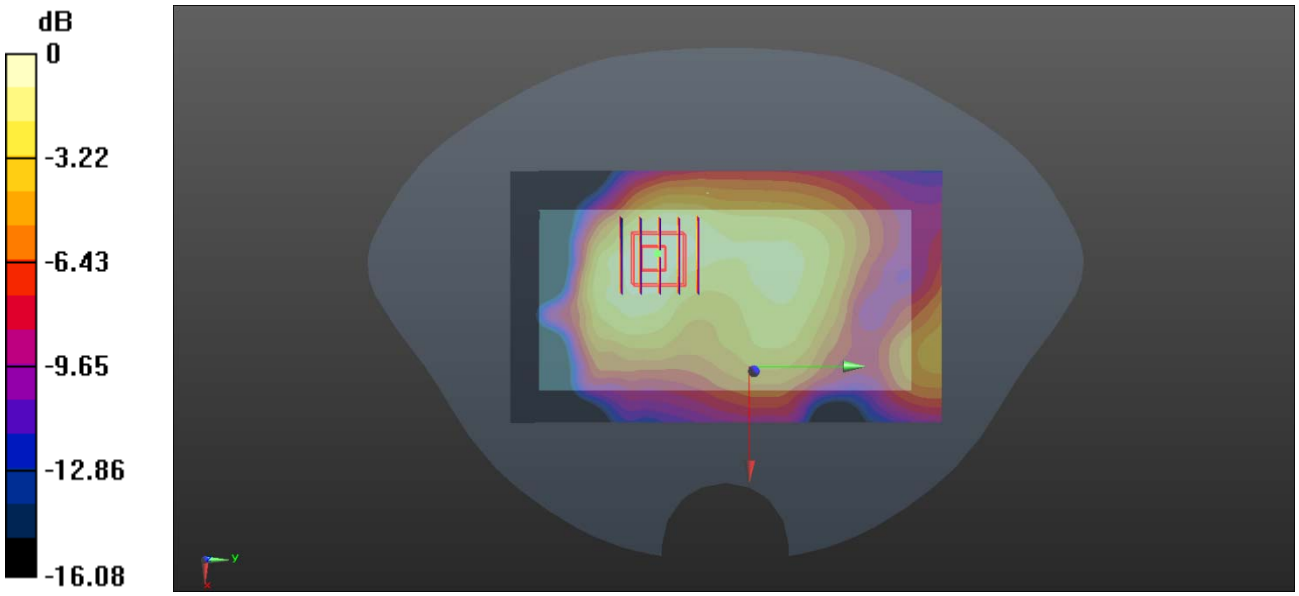
Ch 512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.701 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.246 W/kg

SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.143 W/kg



0 dB = 0.143 W/kg

MEAS.6 Body Plane with Bottom Edge 10mm on Low Channel in GPRS1900 2Slots mode with Antenna Down

Date: 2020.07.11

Communication System Band: GPRS1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: f = 1850.2 MHz; σ = 1.382 S/m; ε_r = 40.232; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 512/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.503 W/kg

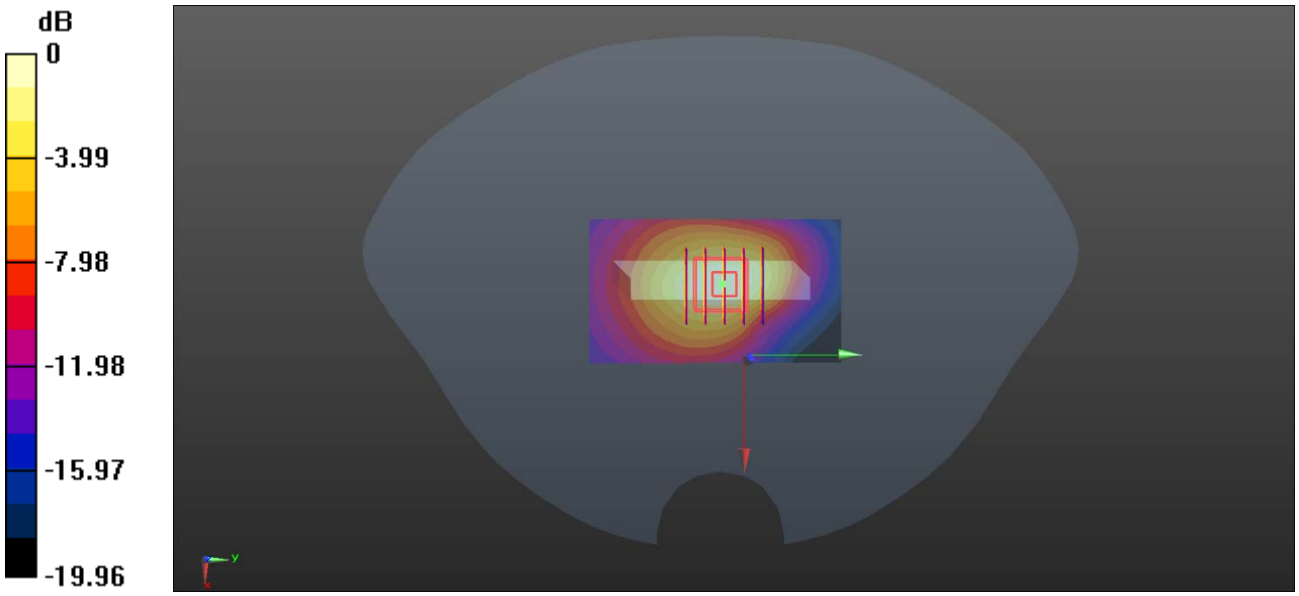
Ch 5112/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.02 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.726 W/kg

SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.225 W/kg

Maximum value of SAR (measured) = 0.464 W/kg



0 dB = 0.464 W/kg

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

Date: 2020.07.12

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

Medium parameters used: f = 1907.6 MHz; σ = 1.415 S/m; ε_r = 40.137; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.879 W/kg

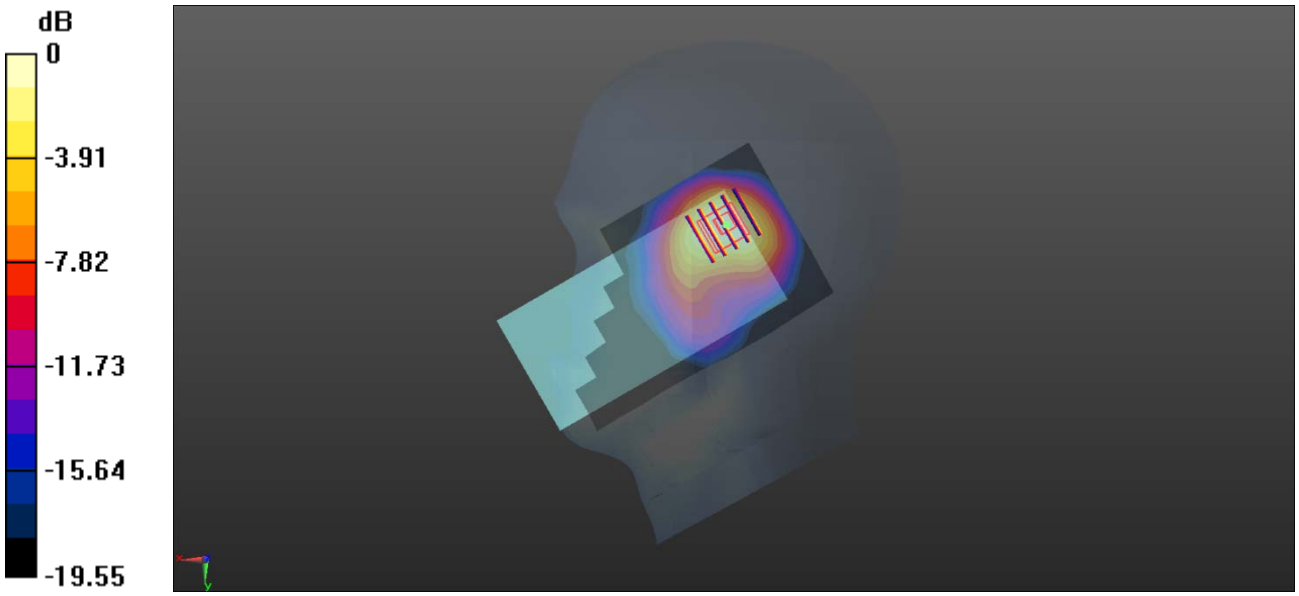
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.50 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.712 W/kg; SAR(10 g) = 0.379 W/kg

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



0 dB = 0.778 W/kg

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

Date: 2020.07.12

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

Medium parameters used: f = 1907.6 MHz; σ = 1.415 S/m; ε_r = 40.137; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 9538/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.267 W/kg

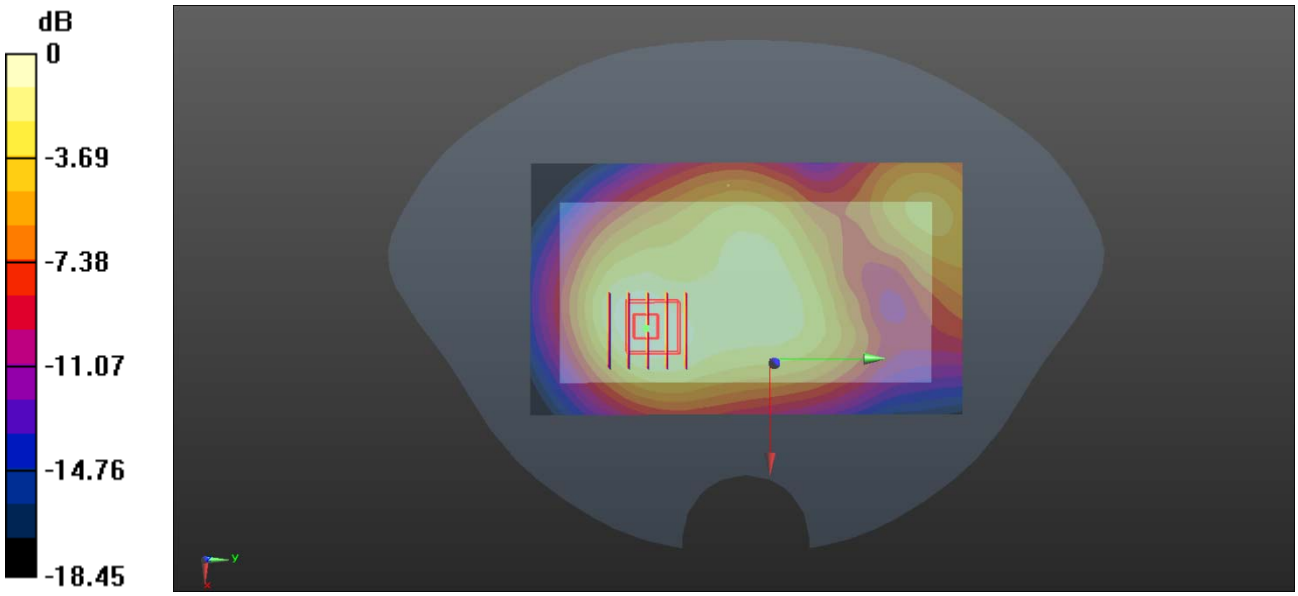
Ch 9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.42 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.396 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.258 W/kg



0 dB = 0.258 W/kg

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

Date: 2020.07.12

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

Medium parameters used: f = 1907.6 MHz; σ = 1.415 S/m; ε_r = 40.137; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 9538/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.782 W/kg

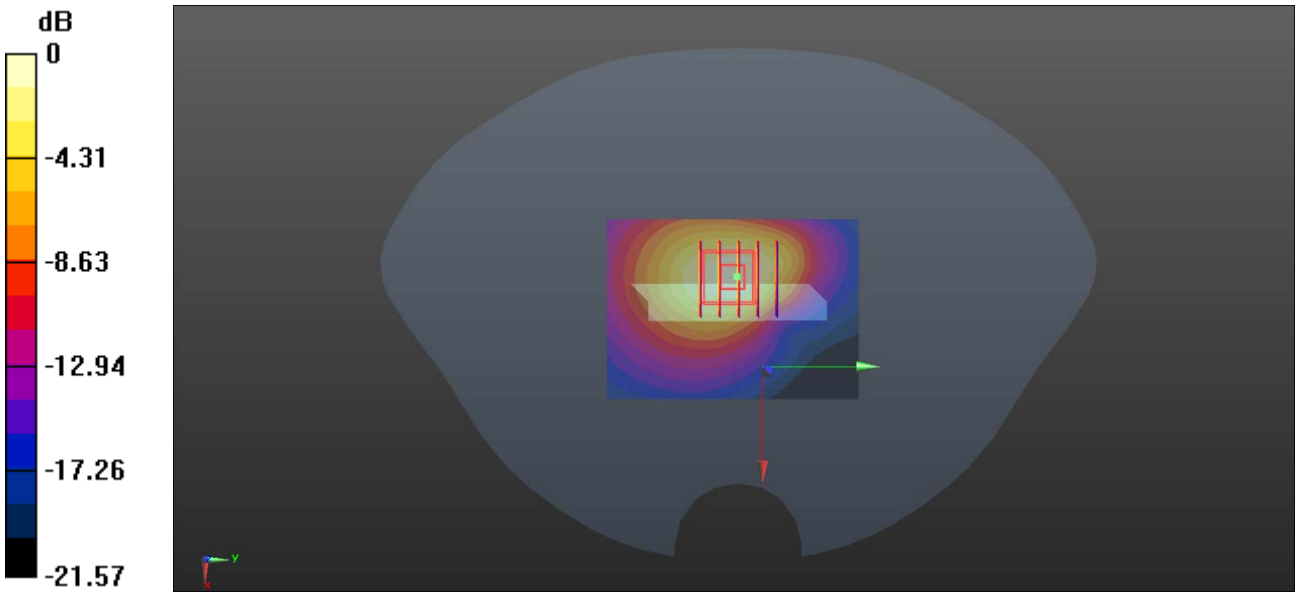
Ch 9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.45 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.342 W/kg

Maximum value of SAR (measured) = 0.727 W/kg



0 dB = 0.727 W/kg

MEAS.10 Body Plane with Bottom Edge 0mm on High Channel in WCDMA Band2 mode with Antenna Down

Date: 2020.07.12

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

Medium parameters used: f = 1907.6 MHz; σ = 1.415 S/m; ε_r = 40.137; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 9538/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.49 W/kg

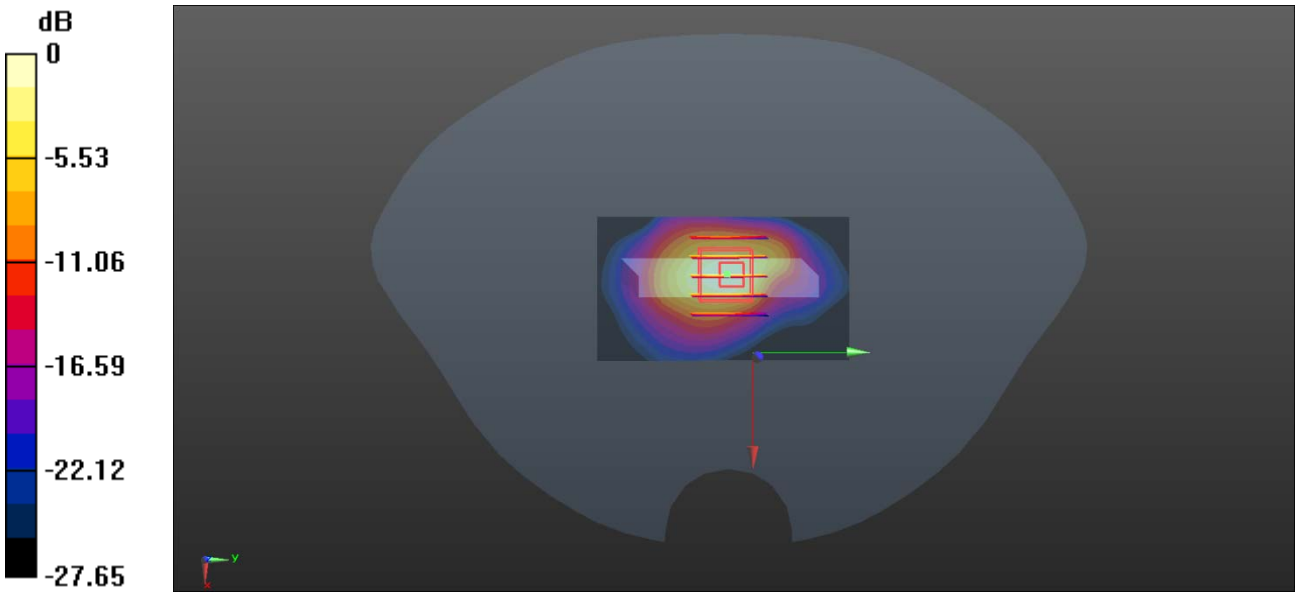
Ch 9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.14 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 8.08 W/kg

SAR(1 g) = 3.5 W/kg; SAR(10 g) = 1.53 W/kg

Maximum value of SAR (measured) = 4.08 W/kg



0 dB = 4.08 W/kg

MEAS.11 Right Head with Tilt on Cheek Channel in WCDMA Band4 mode with Antenna Up

Date: 2020.07.08

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

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.392 S/m; ε_r = 40.056; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 1513/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.16 W/kg

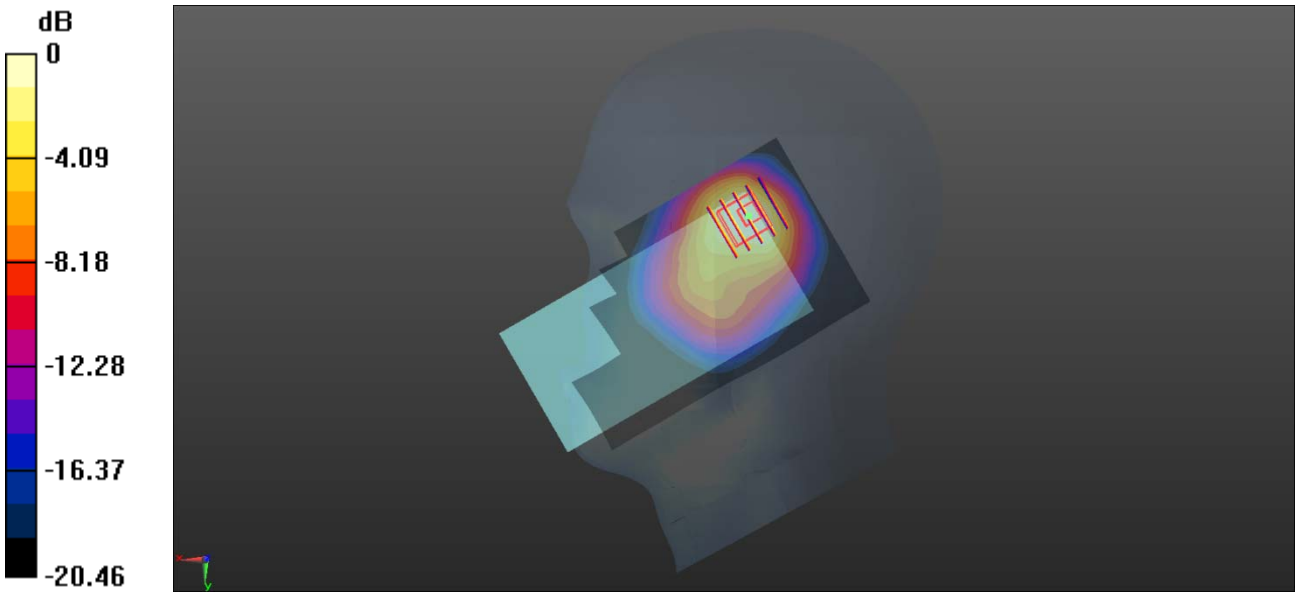
Ch 1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.55 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.916 W/kg; SAR(10 g) = 0.493 W/kg

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



0 dB = 0.992 W/kg

MEAS.12 Body Plane with Back Side 15mm on Low Channel in WCDMA Band4 mode with Antenna Up

Date: 2020.07.08

Communication System Band: IV; Frequency: 1712.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.345 S/m; ε_r = 40.523; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 1312/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

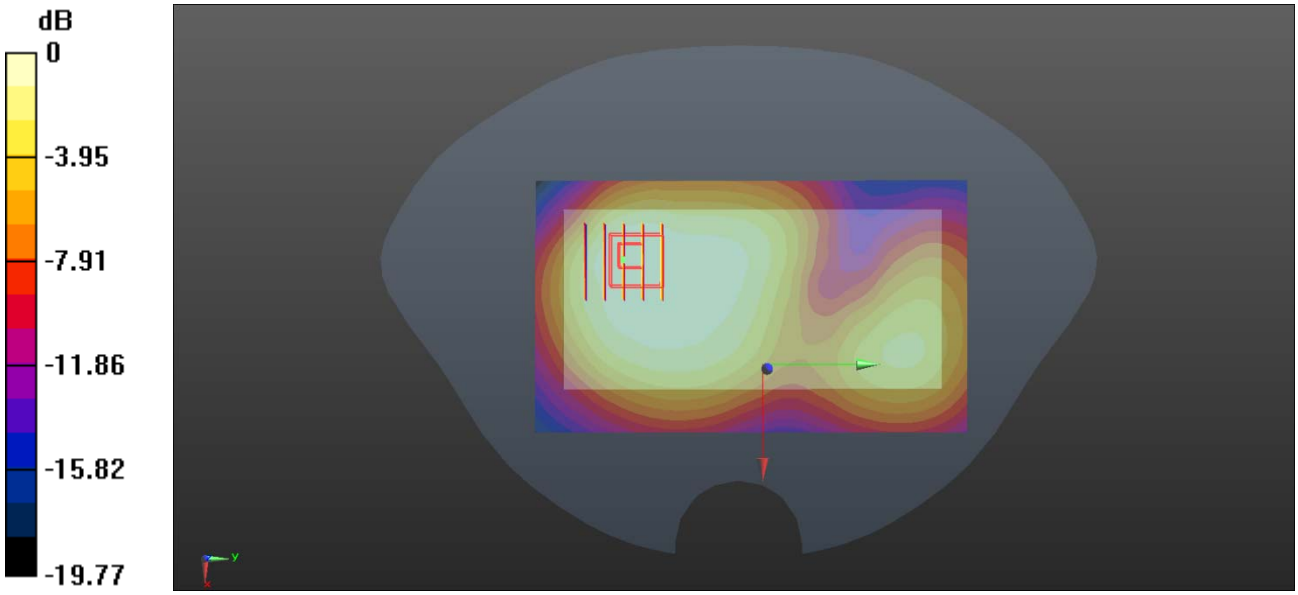
Ch 1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.907 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.269 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.13 Body Plane with Top Edge 10mm on Low Channel in WCDMA Band4 mode with Antenna Up

Date: 2020.07.08

Communication System Band: IV; Frequency: 1712.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.345 S/m; ε_r = 40.523; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 1312/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.410 W/kg

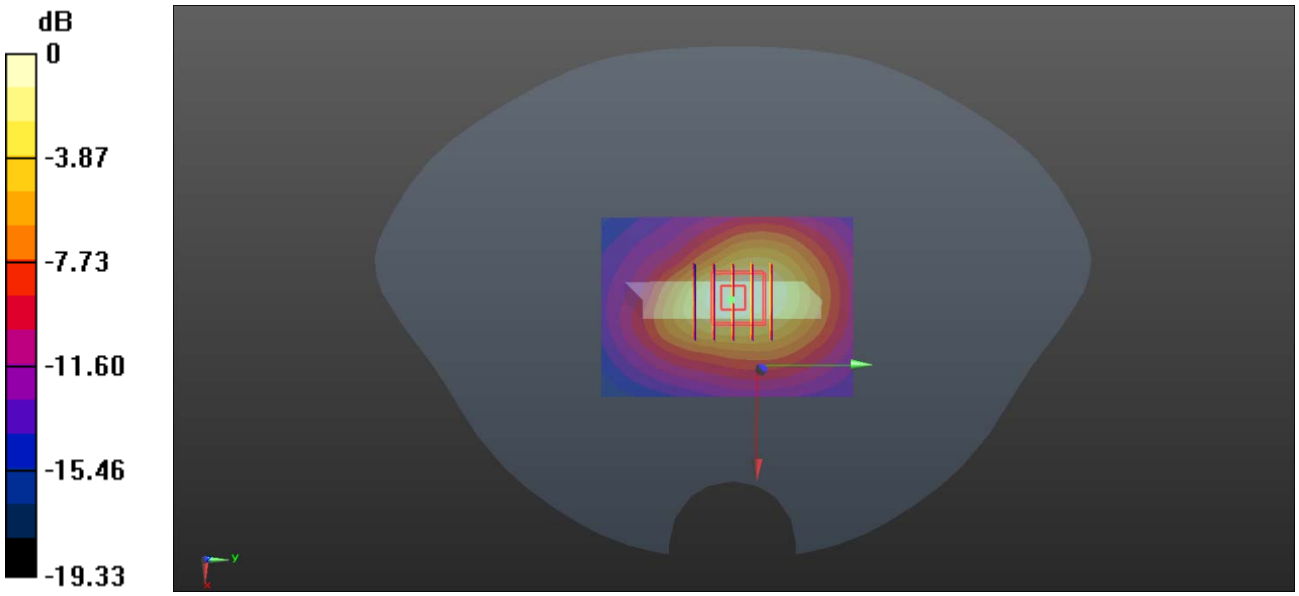
Ch 1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.71 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.625 W/kg

SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (measured) = 0.401 W/kg



0 dB = 0.401 W/kg

MEAS.14 Right Head with Cheek on Low Channel in WCDMA Band5 mode with Antenna Up

Date: 2020.07.27

Communication System Band: V; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.897 S/m; ε_r = 41.658; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 4132/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.456 W/kg

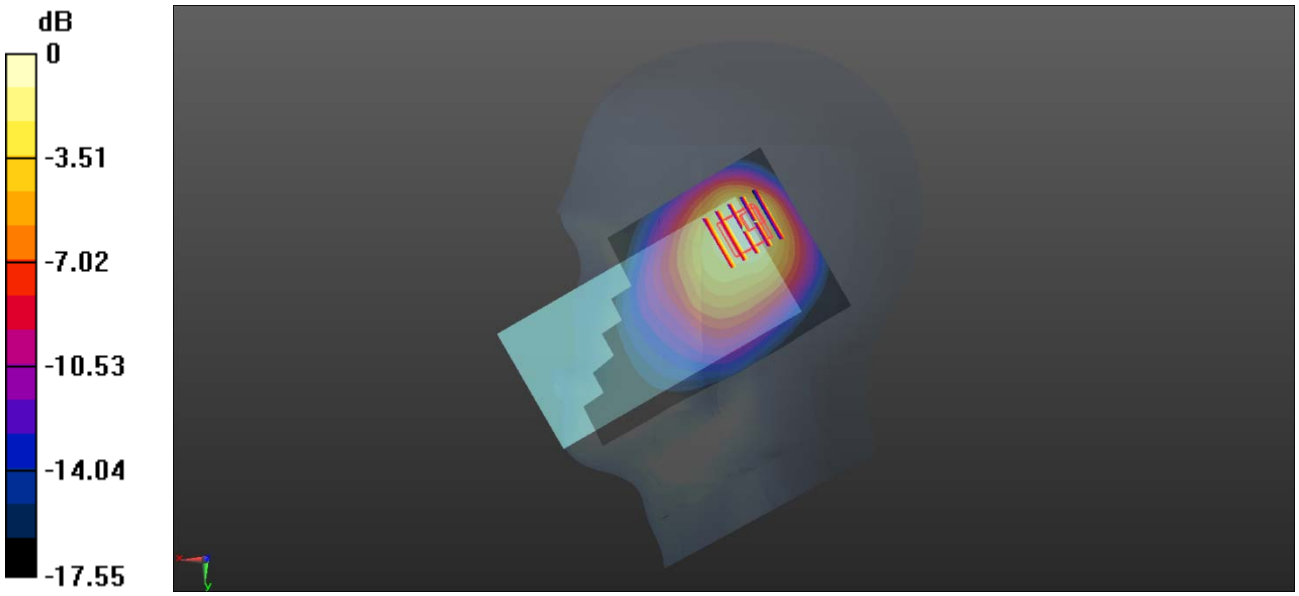
Ch 4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.39 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.457 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 0.480 W/kg



0 dB = 0.480 W/kg

MEAS.15 Body Plane with Back Side 15mm on Low Channel in WCDMA Band5 mode with Antenna Down

Date: 2020.07.27

Communication System Band: V; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.897 S/m; ε_r = 41.658; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 4132/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.176 W/kg

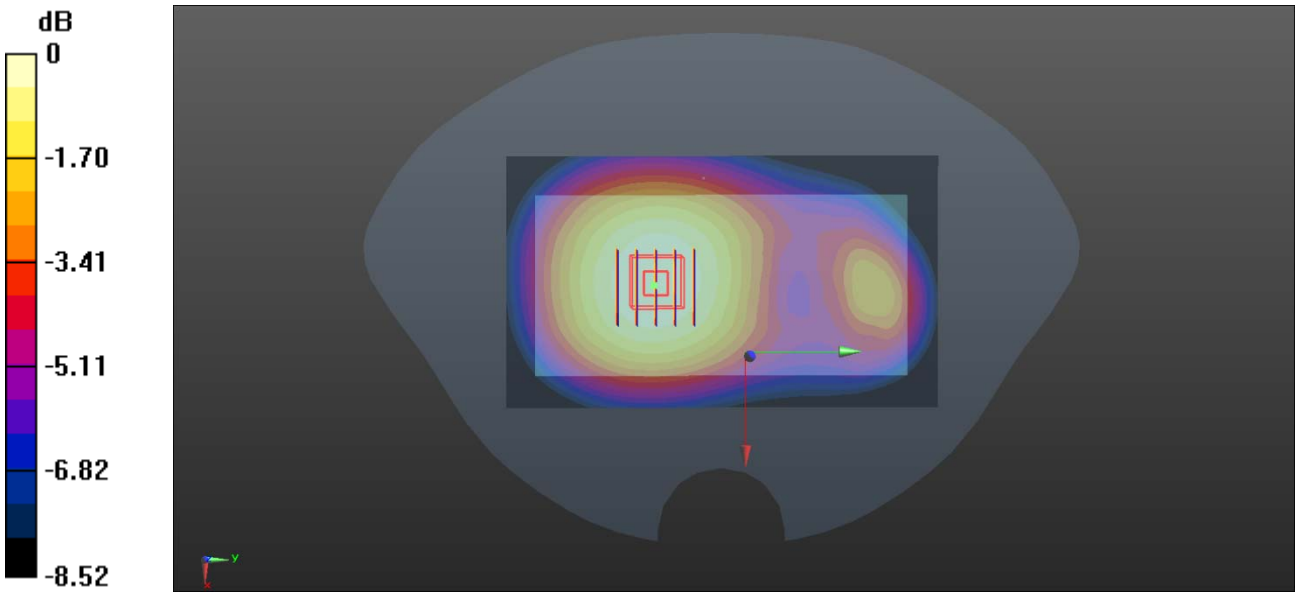
Ch 4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.31 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.176 W/kg

MEAS.16 Body Plane with Back Side 10mm on Low Channel in WCDMA Band5 mode with Antenna Down

Date: 2020.07.27

Communication System Band: V; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.897 S/m; ε_r = 41.658; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 4132/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.217 W/kg

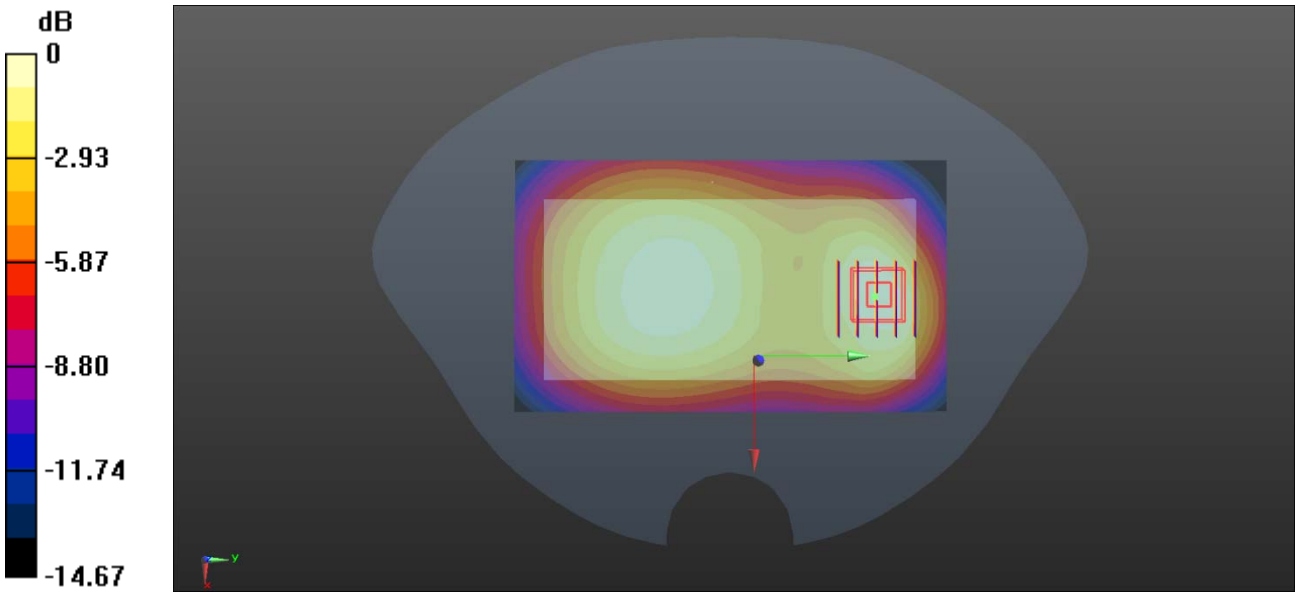
Ch 4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.46 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.340 W/kg

SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.222 W/kg



0 dB = 0.222 W/kg

MEAS.17 Right Head with Cheek on High Channel in LTE Band2 mode with Antenna Up 50RB

Date: 2020.07.13

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.392 S/m; ε_r = 40.108; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 19100/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.710 W/kg

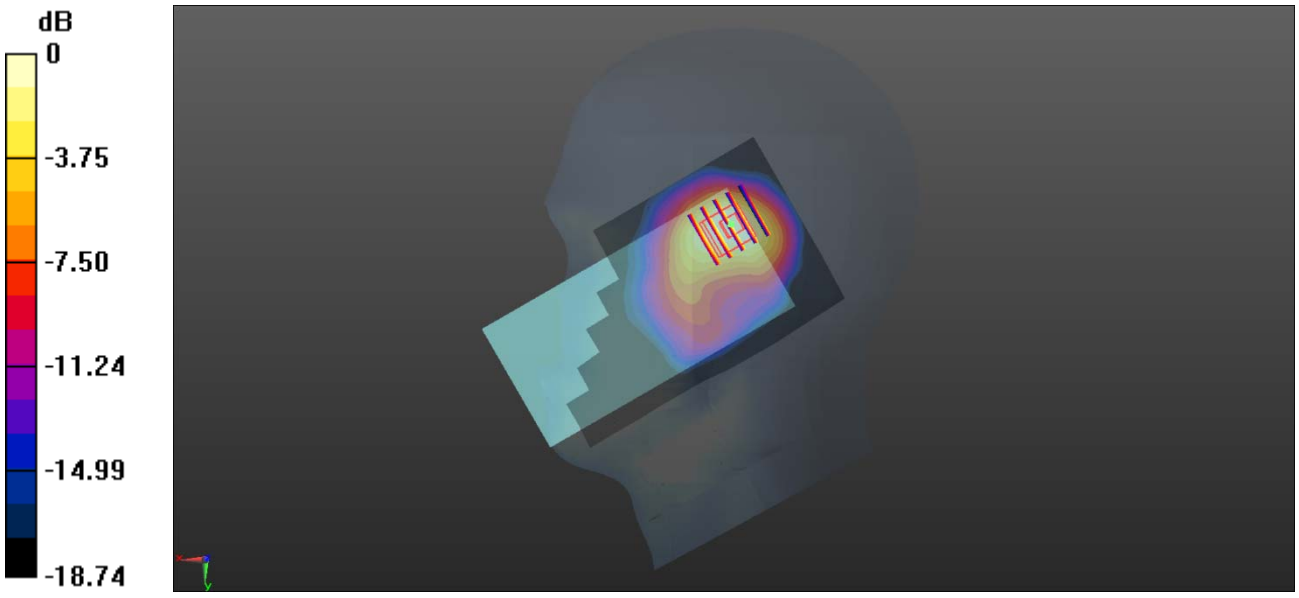
Ch 19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.67 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.574 W/kg; SAR(10 g) = 0.322 W/kg

Maximum value of SAR (measured) = 0.628 W/kg



0 dB = 0.628 W/kg

MEAS.18 Body Plane with Back Side 15mm on High Channel in LTE Band 2 mode with Antenna Up 50RB

Date: 2020.07.13

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.392 S/m; ε_r = 40.108; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 19100/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.220 W/kg

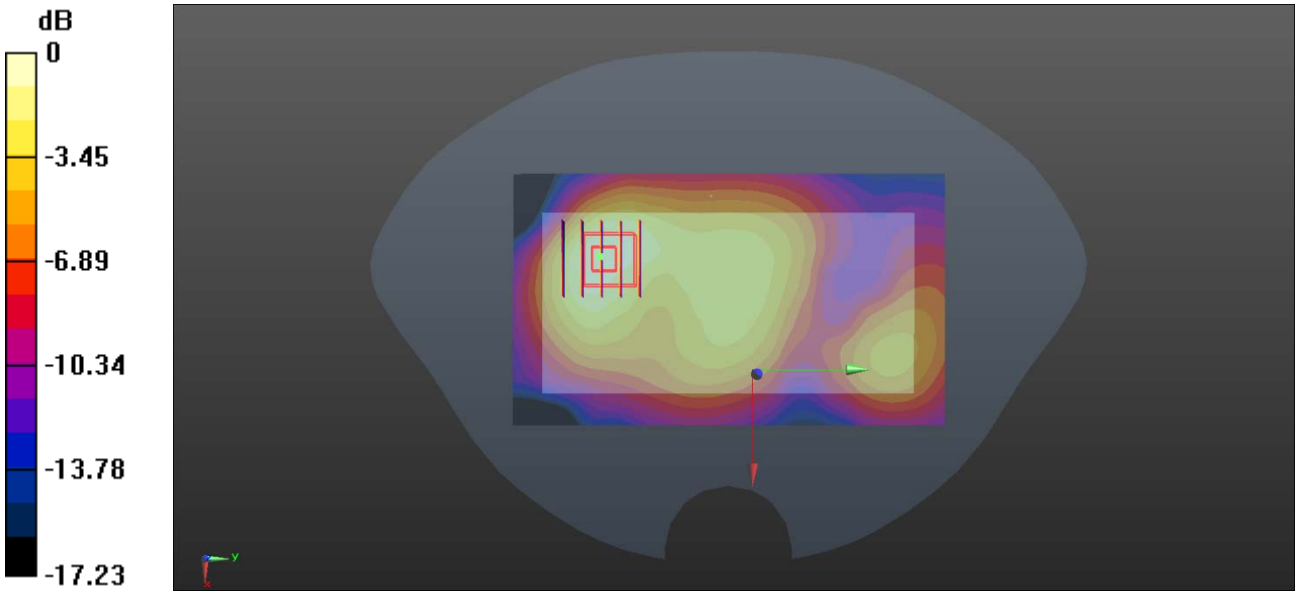
Ch 19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.059 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.214 W/kg



0 dB = 0.214 W/kg

MEAS.19 Body Plane with Bottom Edge 10mm on High Channel in LTE Band 2 mode with Antenna Up 50RB

Date: 2020.07.14

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.402 S/m; ε_r = 40.085; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 19100/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.598 W/kg

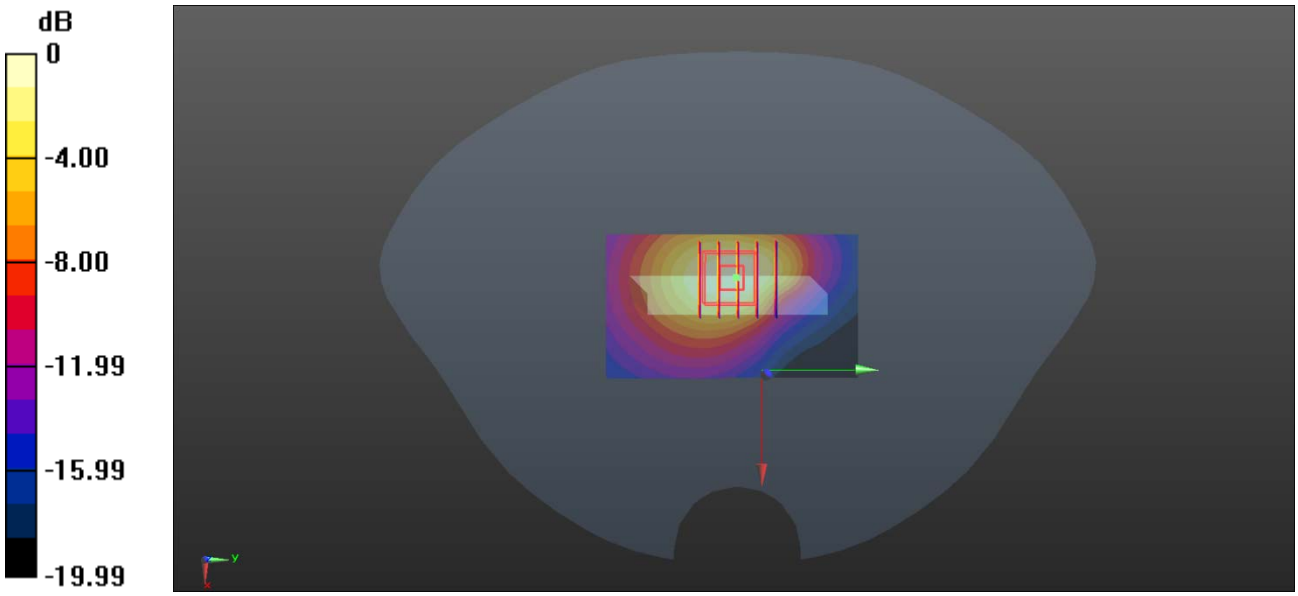
Ch 19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.38 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.884 W/kg

SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.278 W/kg

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



0 dB = 0.565 W/kg

MEAS.20 Body Plane with Bottom Edge 0mm on High Channel in LTE Band 2 mode with Antenna Up 50RB

Date: 2020.07.14

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.402 S/m; ε_r = 40.085; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.38, 8.38, 8.38); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 19100/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.79 W/kg

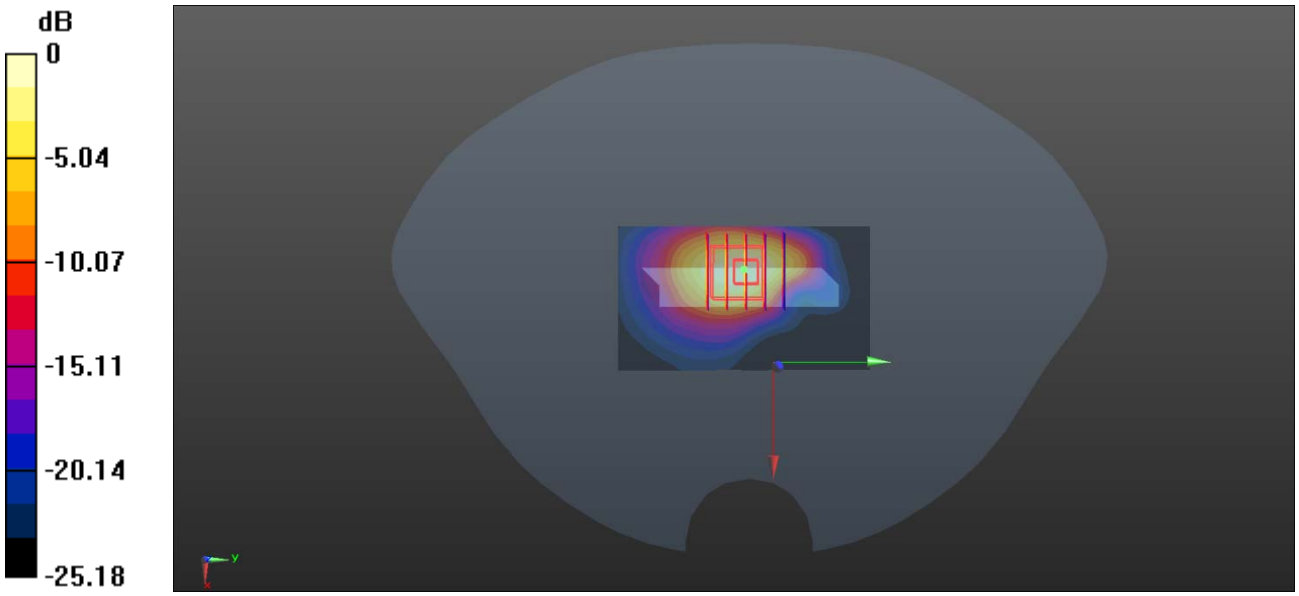
Ch 19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.21 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 8.48 W/kg

SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.62 W/kg

Maximum value of SAR (measured) = 4.32 W/kg



0 dB = 4.32 W/kg

MEAS.21 Right Head with Cheek on Middle Channel in LTE Band2 mode with Antenna Up 50RB

Date: 2020.07.09

Communication System Band:Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.355 S/m; ε_r = 40.227; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 20175/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.11 W/kg

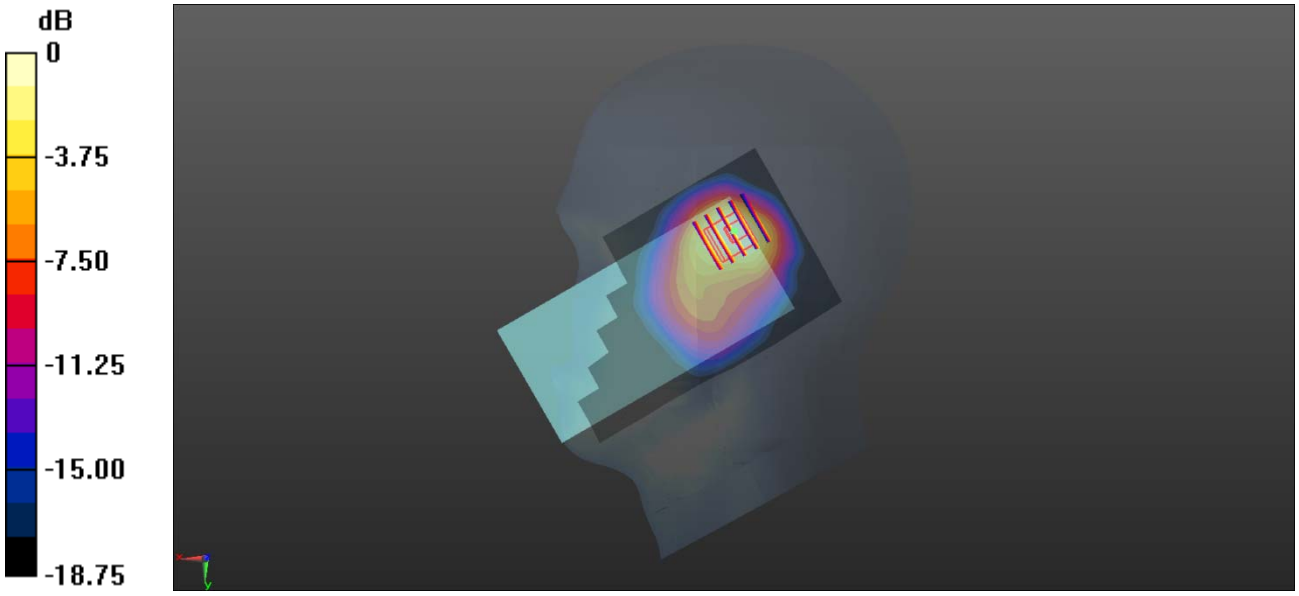
Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.52 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.855 W/kg; SAR(10 g) = 0.472 W/kg

Maximum value of SAR (measured) = 0.933 W/kg



0 dB = 0.933 W/kg

MEAS.22 Body Plane with Back Side 15mm on Low Channel in LTE Band 4 mode with Antenna Down 50RB

Date: 2020.07.09

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1720 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.341 S/m; ε_r = 40.355; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20050/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

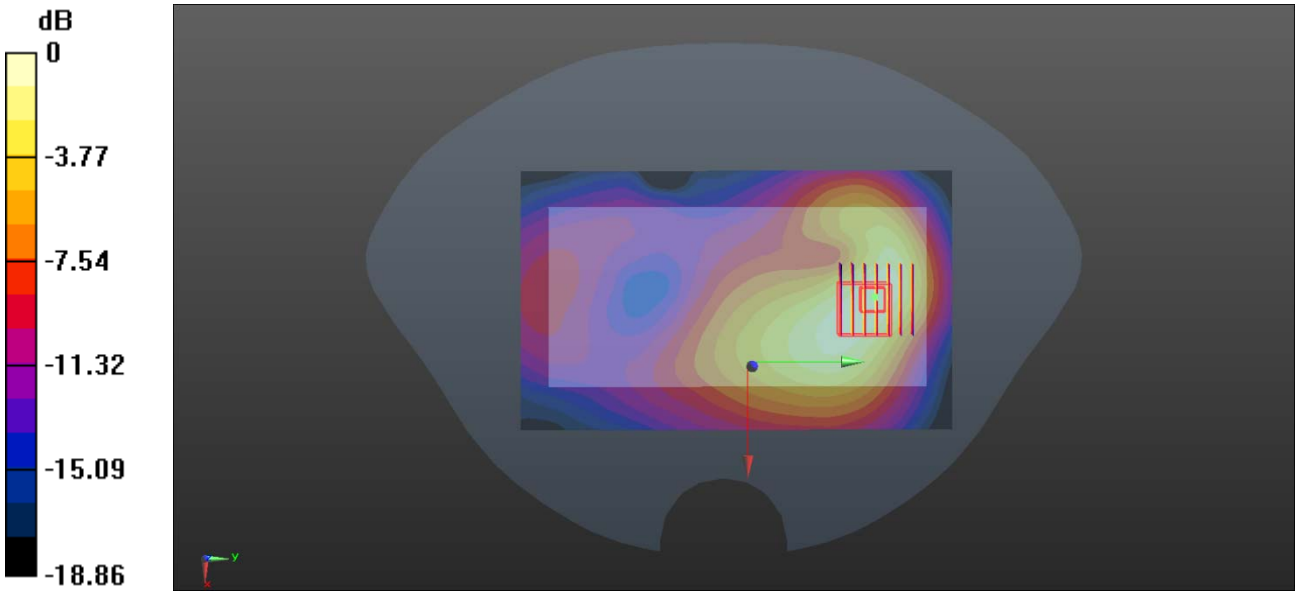
Ch20050/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.005 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.179 W/kg

SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.066 W/kg

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



0 dB = 0.123 W/kg

MEAS.23 Body Plane with Back Side 10mm on Low Channel in LTE Band 4 mode with Antenna Down 50RB

Date: 2020.07.10

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1720 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.344 S/m; ε_r = 40.525; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 20050/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.250 W/kg

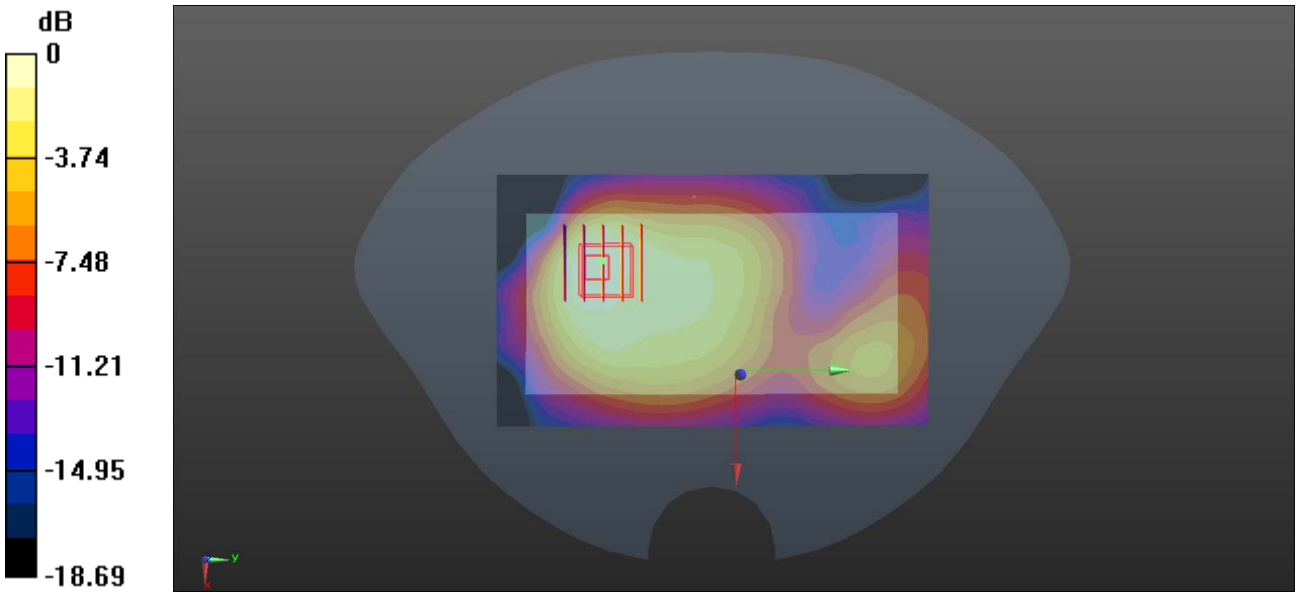
Ch 20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.21 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.385 W/kg

SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.238 W/kg



0 dB = 0.238 W/kg

MEAS.24 Right Head with Cheek on Low Channel in LTE Band 5 mode with Antenna Up 50RB

Date: 2020.07.28

Communication System Band:Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 829 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 829 MHz; σ = 0.894 S/m; ε_r = 41.525; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 20450/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.386 W/kg

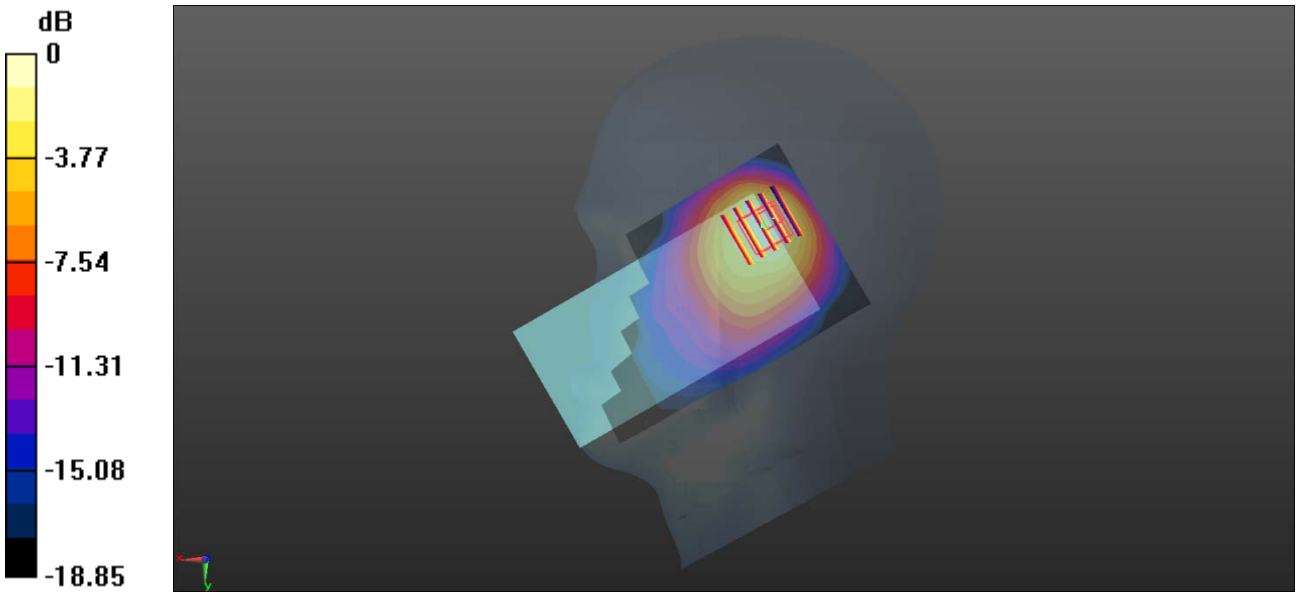
Ch 20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.35 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.804 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.203 W/kg

Maximum value of SAR (measured) = 0.376 W/kg



0 dB = 0.376 W/kg

MEAS.25 Body Plane with Back 15mm on Low Channel in LTE Band 5 mode with Antenna Down 1RB

Date: 2020.07.28

Communication System Band:Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 829 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 829 MHz; σ = 0.894 S/m; ε_r = 41.525; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 20450/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.143 W/kg

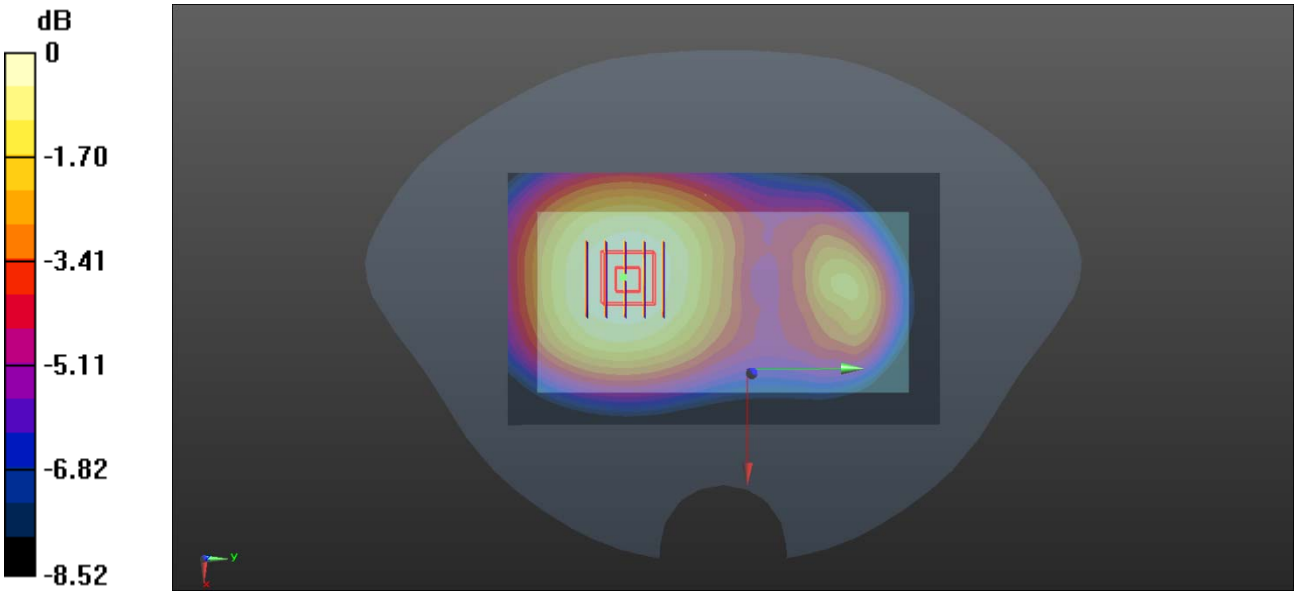
Ch 20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.121 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.171 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.143 W/kg



0 dB = 0.143 W/kg

MEAS.26 Body Plane with Back 10mm on Low Channel in LTE Band 5 mode with Antenna Down 50RB

Date: 2020.07.29

Communication System Band:Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 829 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 829 MHz; σ = 0.902 S/m; ε_r = 41.856; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.02, 10.02, 10.02); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 20450/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.156 W/kg

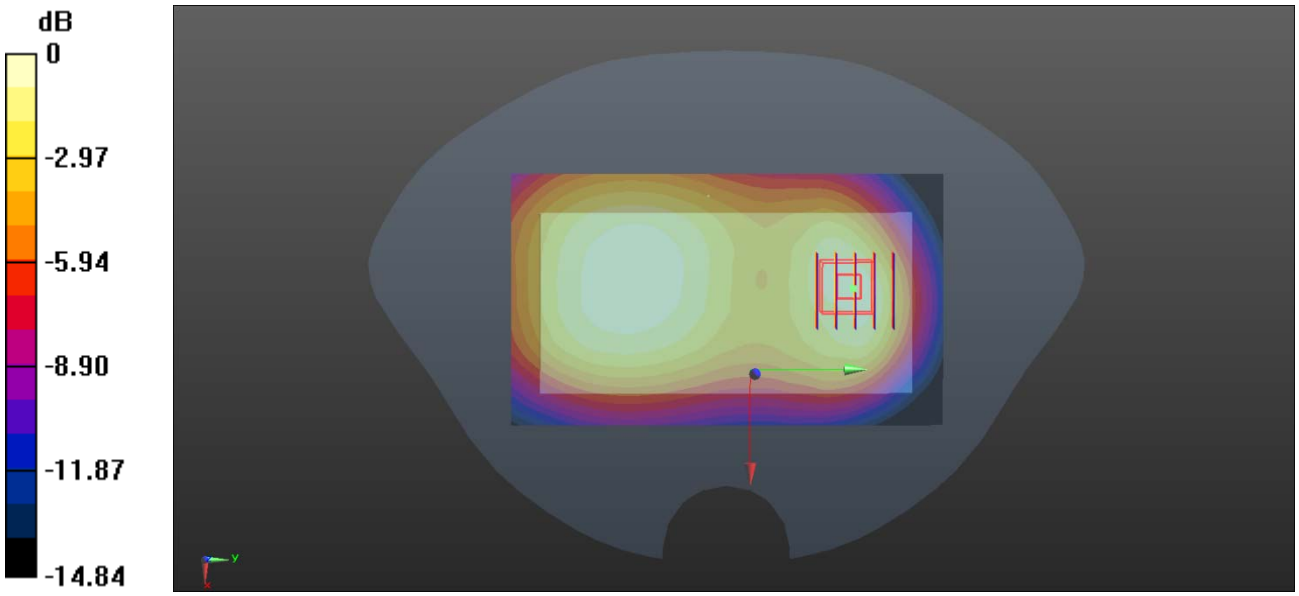
Ch 20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.838 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.239 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.159 W/kg



0 dB = 0.159 W/kg

MEAS.27 Right Head with Tilt on Middle Channel in LTE Band 7 mode with Antenna Up 1RB

Date: 2020.07.16

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.881 S/m; ε_r = 39.251; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.674 W/kg

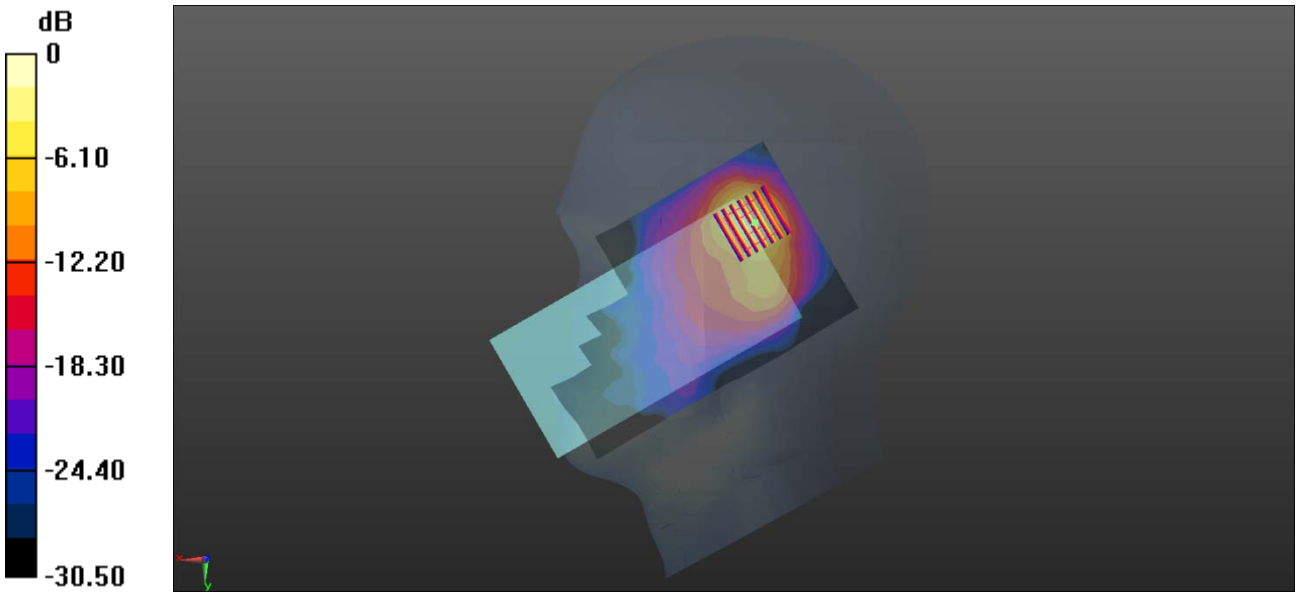
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.597 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.594 W/kg; SAR(10 g) = 0.223 W/kg

Maximum value of SAR (measured) = 0.701 W/kg



0 dB = 0.701 W/kg

MEAS.28 Body Plane with Back Side 15mm on Middle Channel in LTE Band 7 mode with Antenna Up 1RB

Date: 2020.07.16

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.881 S/m; ε_r = 39.251; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.236 W/kg

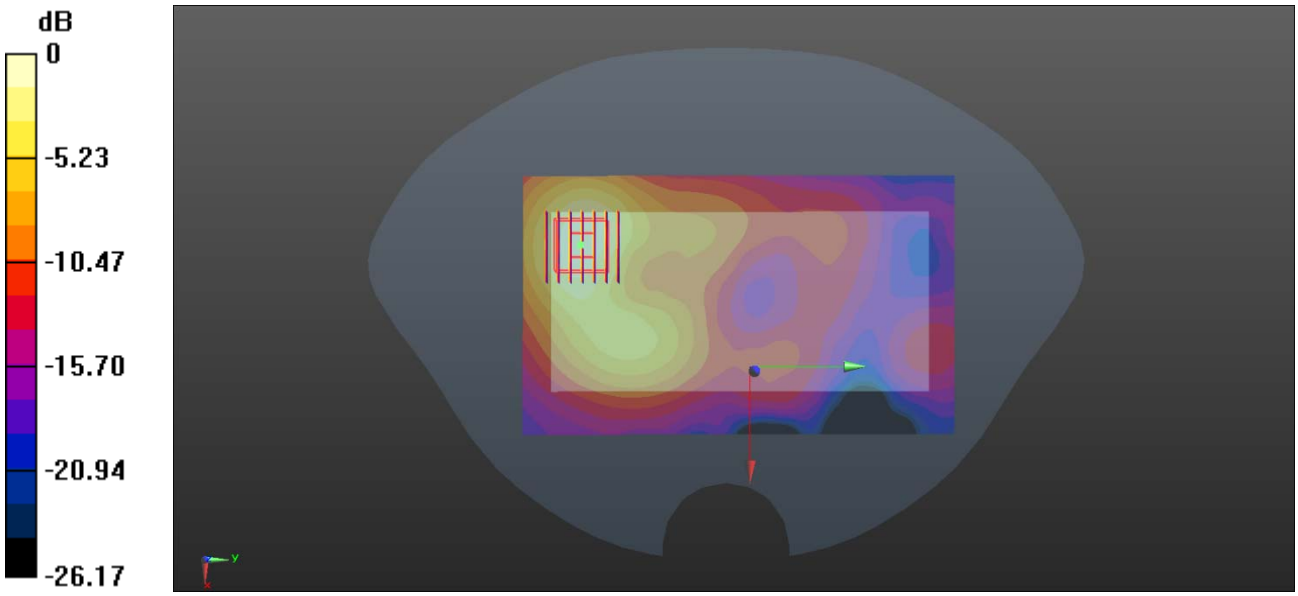
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.484 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.455 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.233 W/kg



0 dB = 0.233 W/kg

MEAS.29 Body Plane with Top Edge 10mm on Middle Channel in LTE Band 7 mode with Antenna Up 1RB

Date: 2020.07.17

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.892 S/m; ε_r = 39.154; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (61x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.728 W/kg

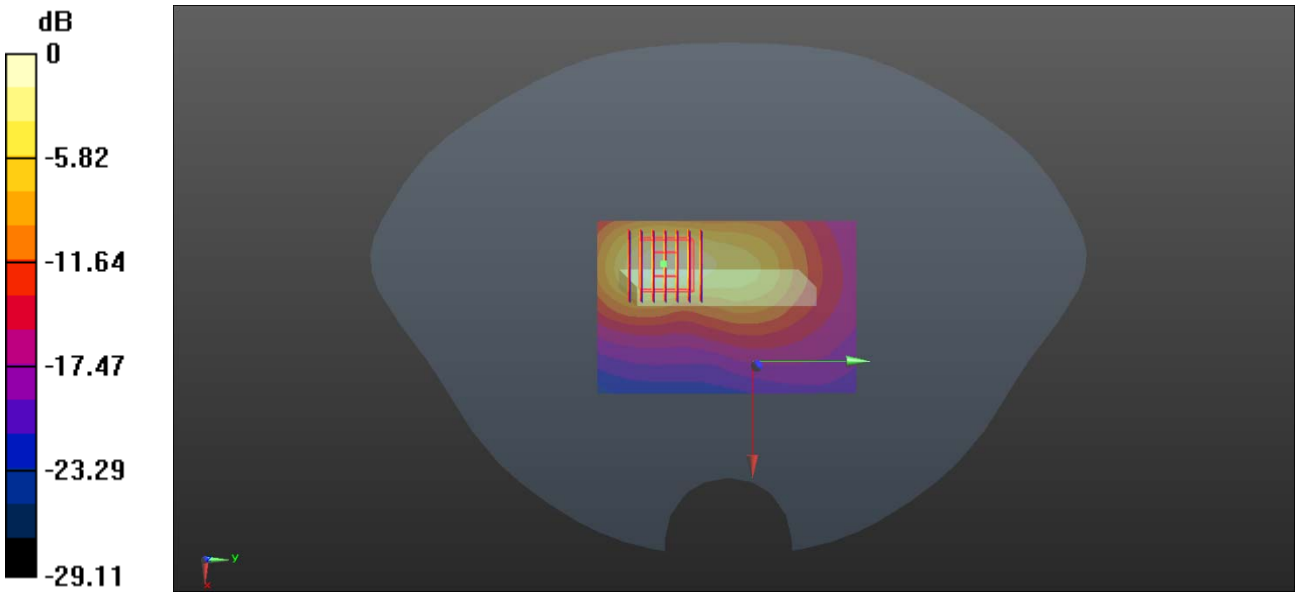
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.573 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.626 W/kg; SAR(10 g) = 0.263 W/kg

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



0 dB = 0.715 W/kg

MEAS.30 Right Head with Tilt on High Channel in LTE Band 38 mode with Antenna Up 1RB

Date: 2020.07.18

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (extrapolated): f = 2610 MHz; σ = 1.967 S/m; ε_r = 39.204; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.933 W/kg

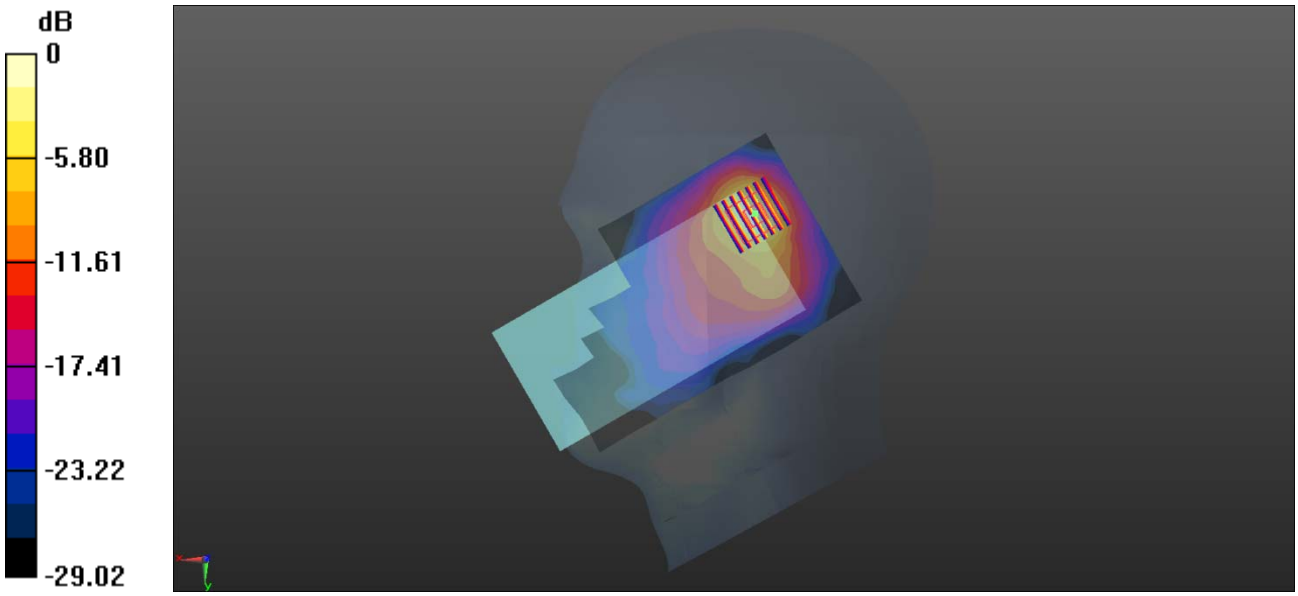
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.944 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 0.836 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.989 W/kg



0 dB = 0.989 W/kg

MEAS.31 Body Plane with Back Side 15mm on High Channel in LTE Band 38 mode with Antenna Up 1RB

Date: 2020.07.18

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (extrapolated): f = 2610 MHz; σ = 1.967 S/m; ε_r = 39.204; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.258 W/kg

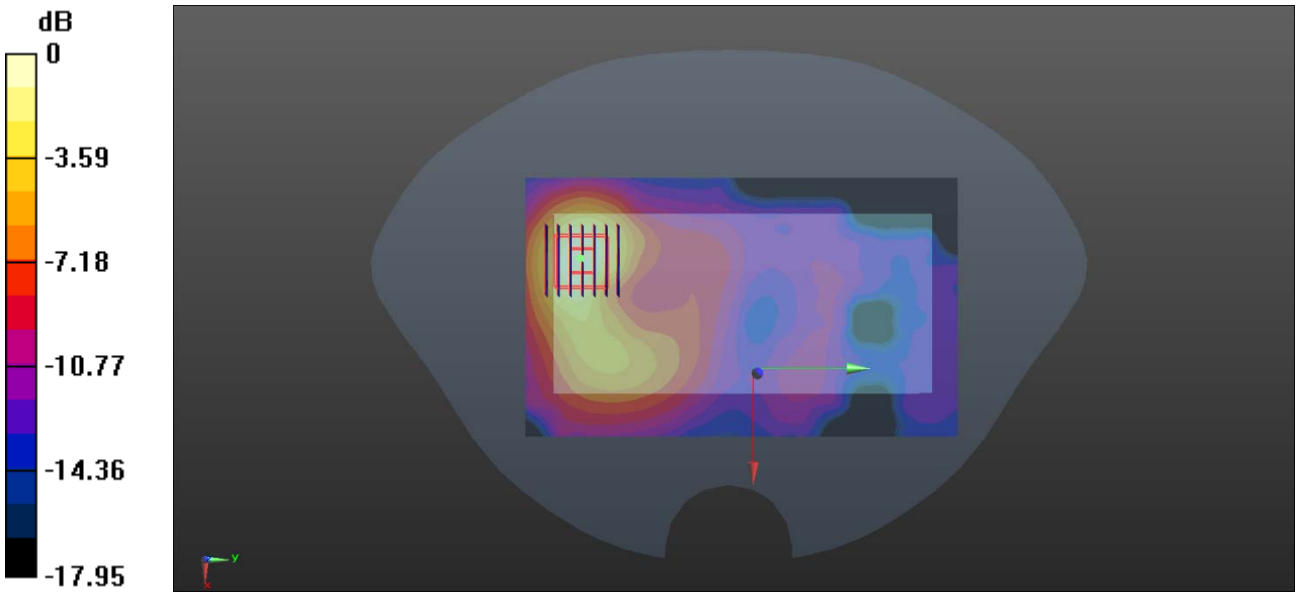
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.497 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.476 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.105 W/kg

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



0 dB = 0.252 W/kg

MEAS.32 Body Plane with Back Side 10mm on High Channel in LTE Band 38 mode with Antenna Up 1RB

Date: 2020.07.19

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (extrapolated): f = 2610 MHz; σ = 1.951 S/m; ε_r = 39.337; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.706 W/kg

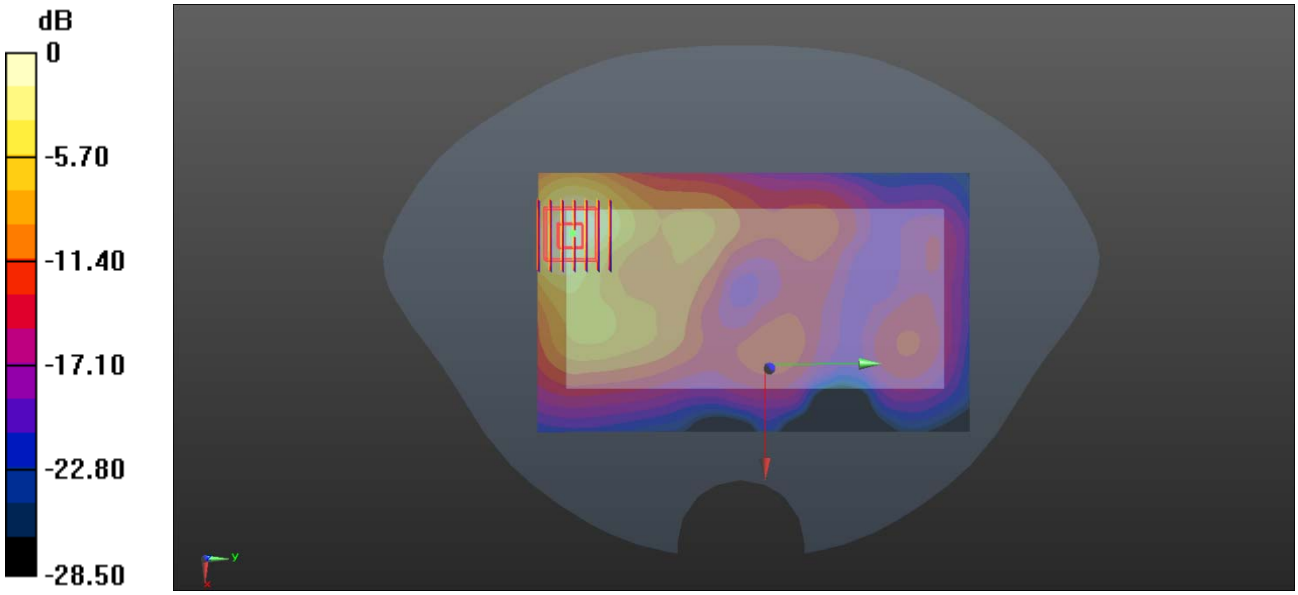
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.937 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.702 W/kg



0 dB = 0.702 W/kg

MEAS.33 Right Head with Tilt on Low Channel in LTE Band 41 mode with Antenna Up 50RB

Date: 2020.07.30

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2545 MHz;Duty Cycle: 1:1.58

Medium parameters used (extrapolated): f = 2545 MHz; σ = 1.881 S/m; ε_r = 38.859; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.81, 7.81, 7.81); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40140/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.948 W/kg

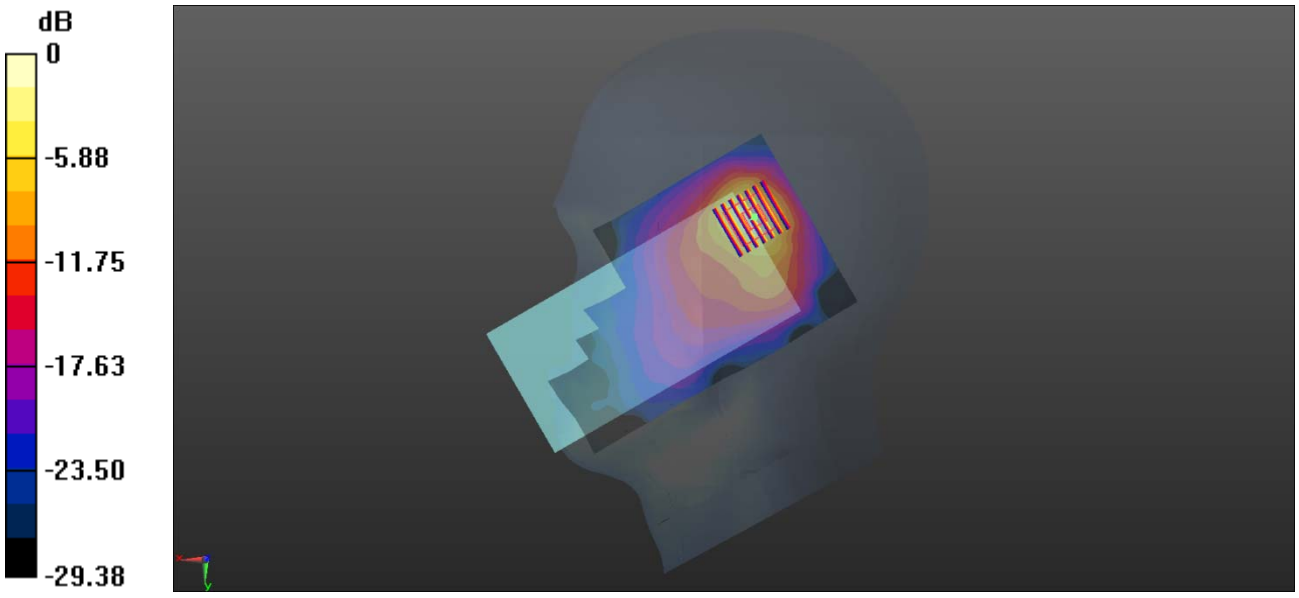
Ch40140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.51 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 0.805 W/kg; SAR(10 g) = 0.306 W/kg

Maximum value of SAR (measured) = 0.937 W/kg



0 dB = 0.937 W/kg

MEAS.34 Body Plane with Back Side 15mm on High Channel in LTE Band 41 mode with Antenna Up 1RB Date: 2020.07.30

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2645 MHz;Duty Cycle: 1:1.58

Medium parameters used (extrapolated): f = 2645 MHz; σ = 2.024 S/m; ε_r = 37.825; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41140/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.272 W/kg

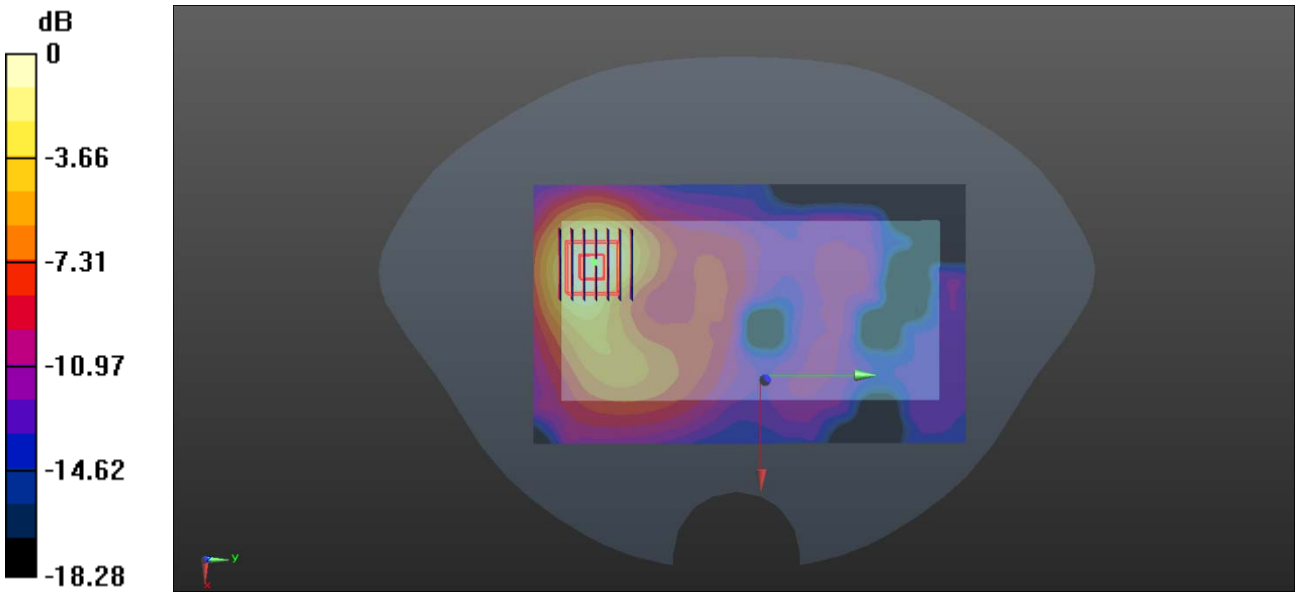
Ch41140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.591 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.111 W/kg

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



0 dB = 0.265 W/kg

MEAS.35 Body Plane with Top Edge 10mm on High Channel in LTE Band 41 mode with Antenna Up 1RB

Date: 2020.07.31

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2645 MHz;Duty Cycle: 1:1.58

Medium parameters used (extrapolated): f = 2645 MHz; σ = 2.011 S/m; ε_r = 38.748; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41140/Area Scan (61x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.665 W/kg

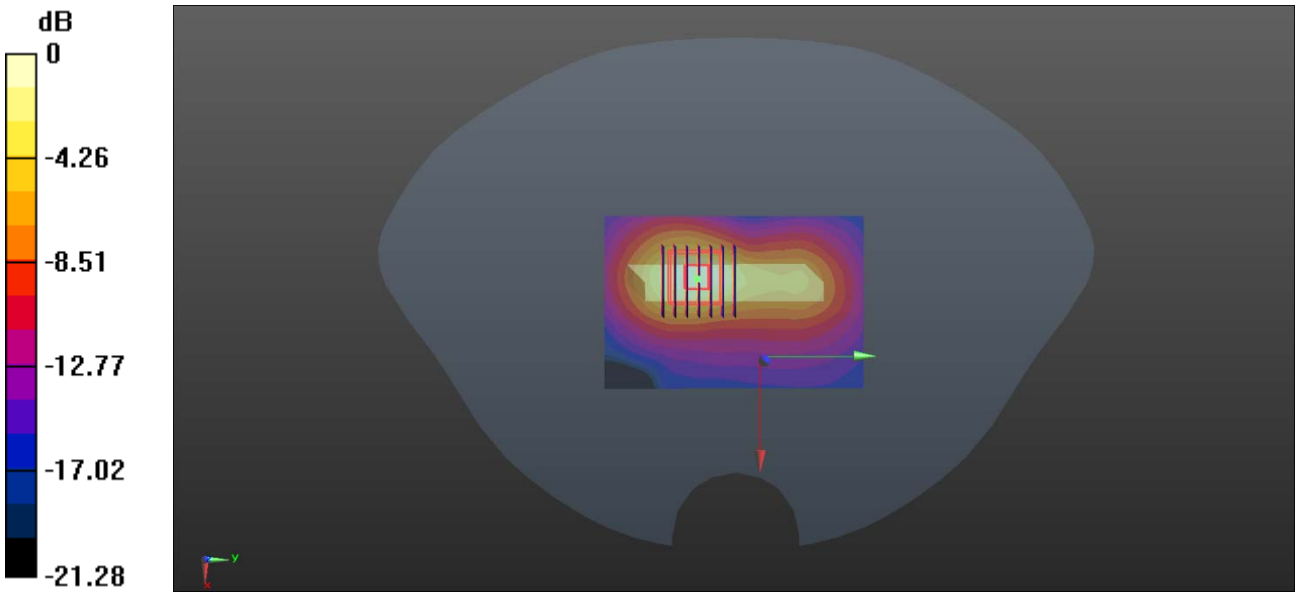
Ch41140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.53 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 0.670 W/kg



0 dB = 0.670 W/kg

MEAS.36 Left Head with Cheek on Middle Channel in IEEE802.11b mode

Date: 2020.07.15

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.007

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.784 S/m; ε_r = 39.525; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.81, 7.81, 7.81); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.569 W/kg

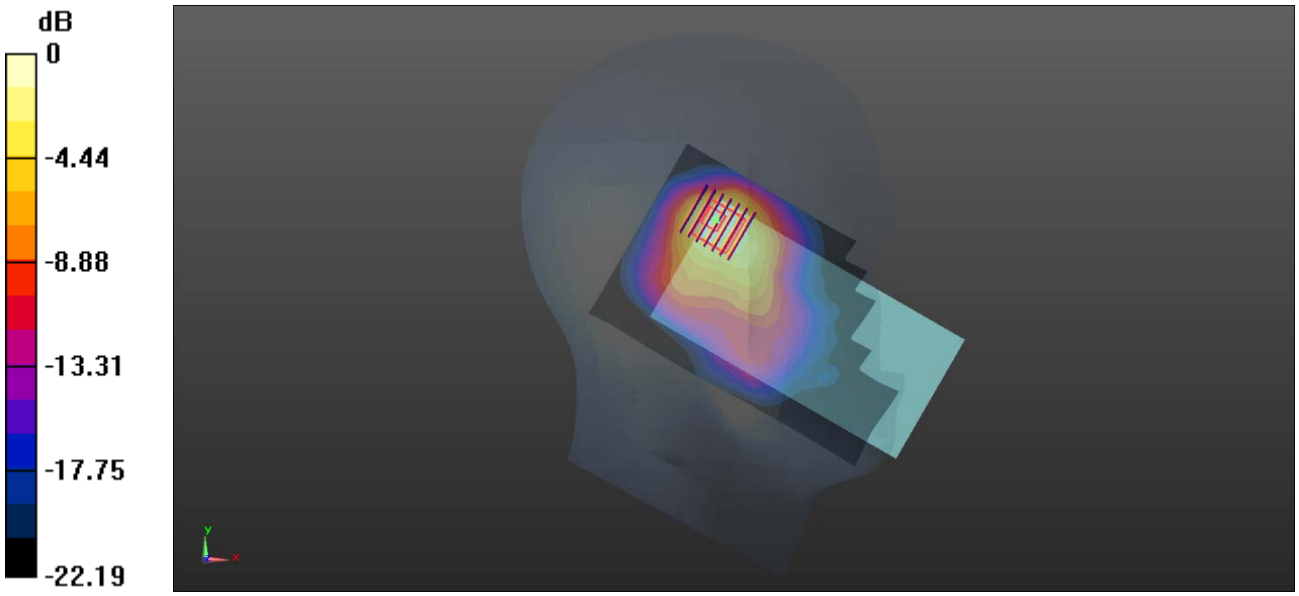
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.987 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.505 W/kg



0 dB = 0.505 W/kg

MEAS.37 Body Plane with Back Side 15mm on Middle Channel in IEEE802.11b mode

Date: 2020.07.15

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.007

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.784 S/m; ε_r = 39.525; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.81, 7.81, 7.81); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0575 W/kg

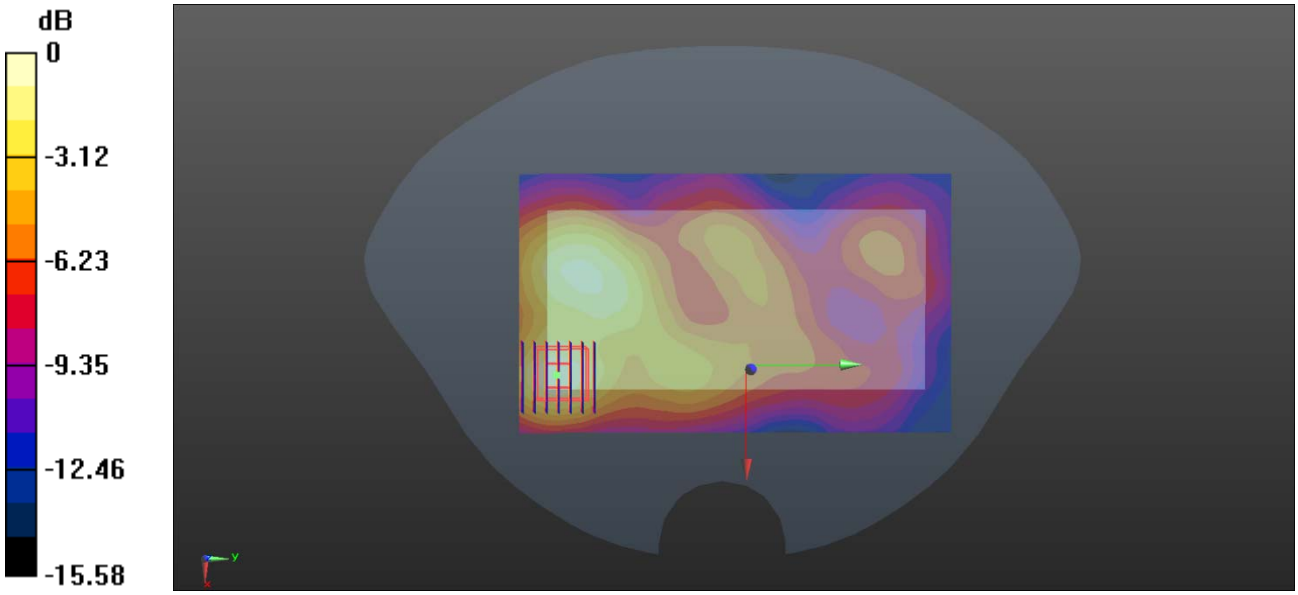
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.714 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.112 W/kg

SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.026 W/kg

Maximum value of SAR (measured) = 0.0561 W/kg



0 dB = 0.0561 W/kg

MEAS.38 Body Plane with Back Side 10mm on Middle Channel in IEEE802.11b mode

Date: 2020.07.15

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.007

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.784 S/m; ε_r = 39.525; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.81, 7.81, 7.81); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.143 W/kg

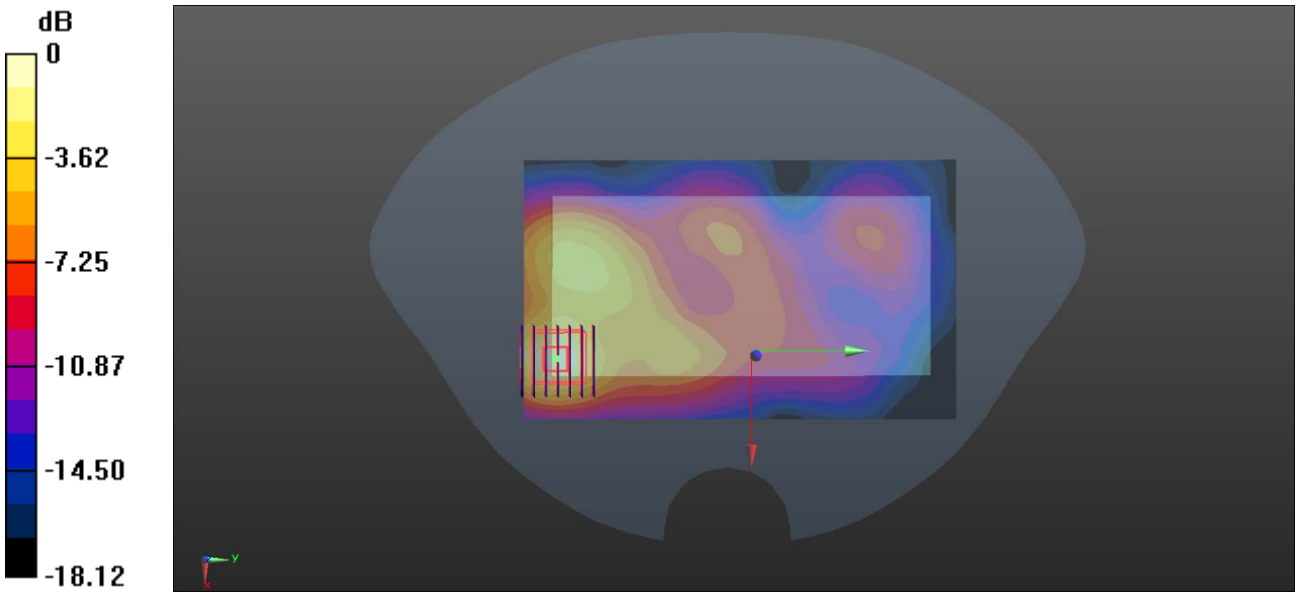
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.409 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.296 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.059 W/kg

Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg

MEAS.39 Left Head with Tilt on Channel 52 in IEEE802.11a mode

Date: 2020.07.22

Communication System Band: WLAN(a); Frequency: 5260 MHz;Duty Cycle: 1:1.045

Medium parameters used: f = 5260 MHz; σ = 4.702 S/m; ε_r = 35.705; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.51, 5.51, 5.51); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

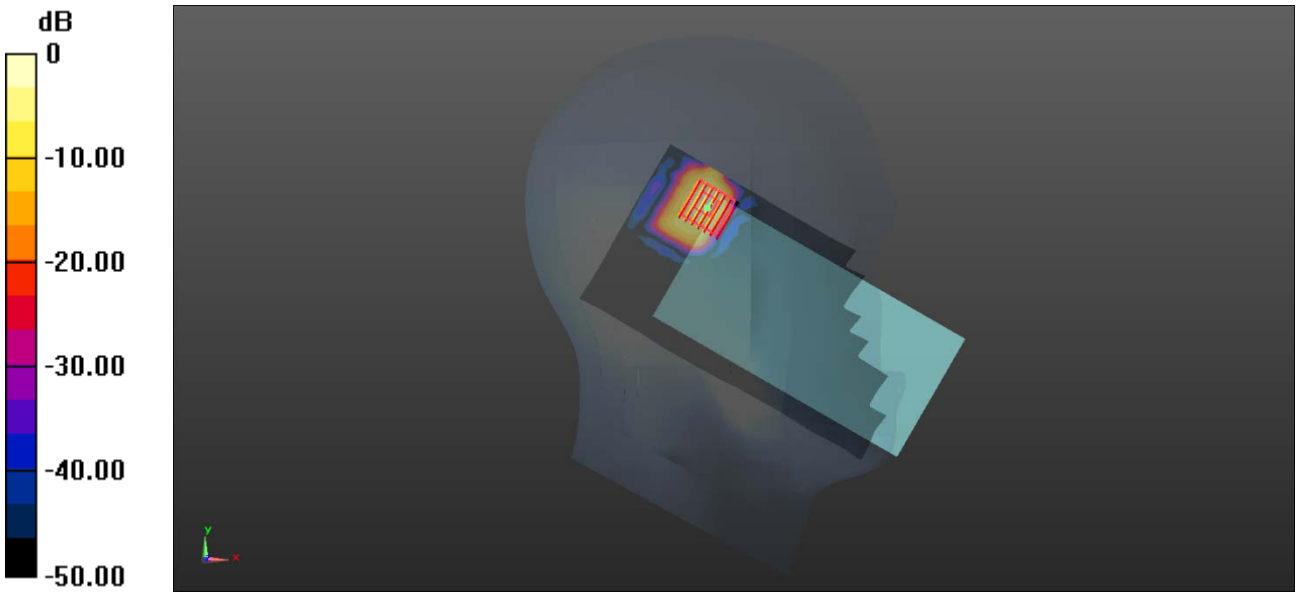
Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.029 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.51 W/kg

SAR(1 g) = 0.730 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 1.54 W/kg



0 dB = 1.54 W/kg

MEAS.40 Left Head with Tilt on Channel 116 in IEEE802.11a mode

Date: 2020.07.23

Communication System Band: WLAN(a); Frequency: 5580 MHz;Duty Cycle: 1:1.045

Medium parameters used (interpolated): f = 5580 MHz; σ = 5.012 S/m; ε_r = 35.512; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.8, 4.8, 4.8); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch116/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.53 W/kg

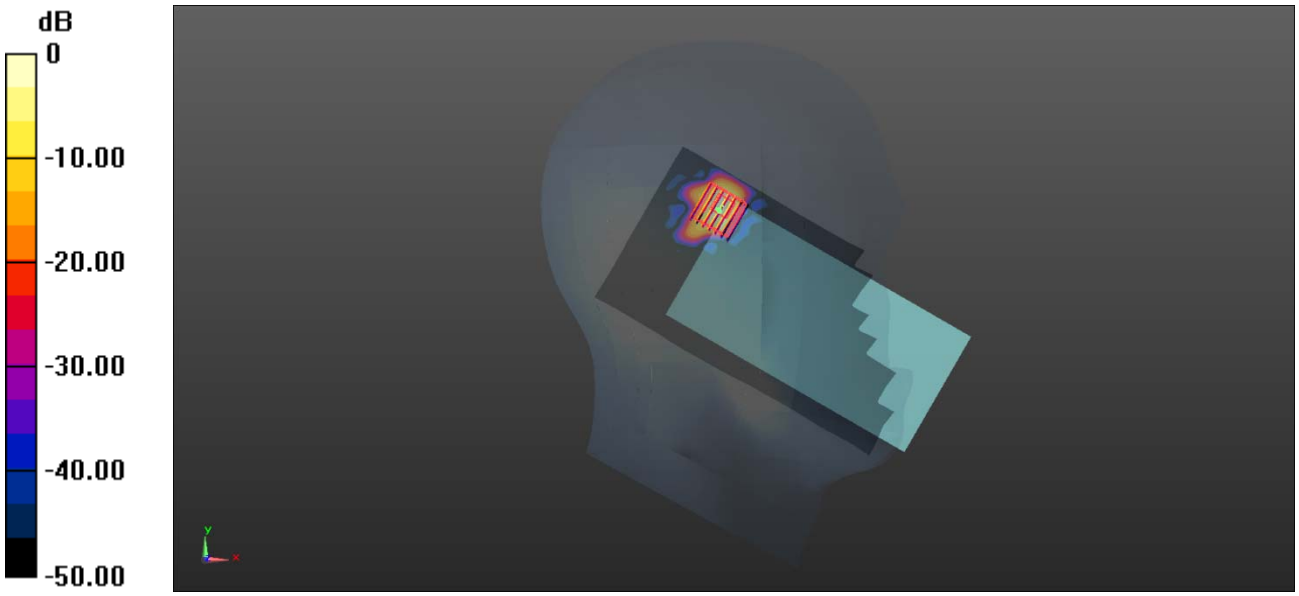
Ch116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.1420 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.61 W/kg

SAR(1 g) = 0.794 W/kg; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 1.91 W/kg



0 dB = 1.91 W/kg

MEAS.41 Left Head with Tilt on Channel 149 in IEEE802.11a mode

Date: 2020.07.25

Communication System Band: WLAN(a); Frequency: 5745 MHz;Duty Cycle: 1:1.045

Medium parameters used: f = 5745 MHz; σ = 5.148 S/m; ε_r = 36.114; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.06, 5.06, 5.06); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.18 W/kg

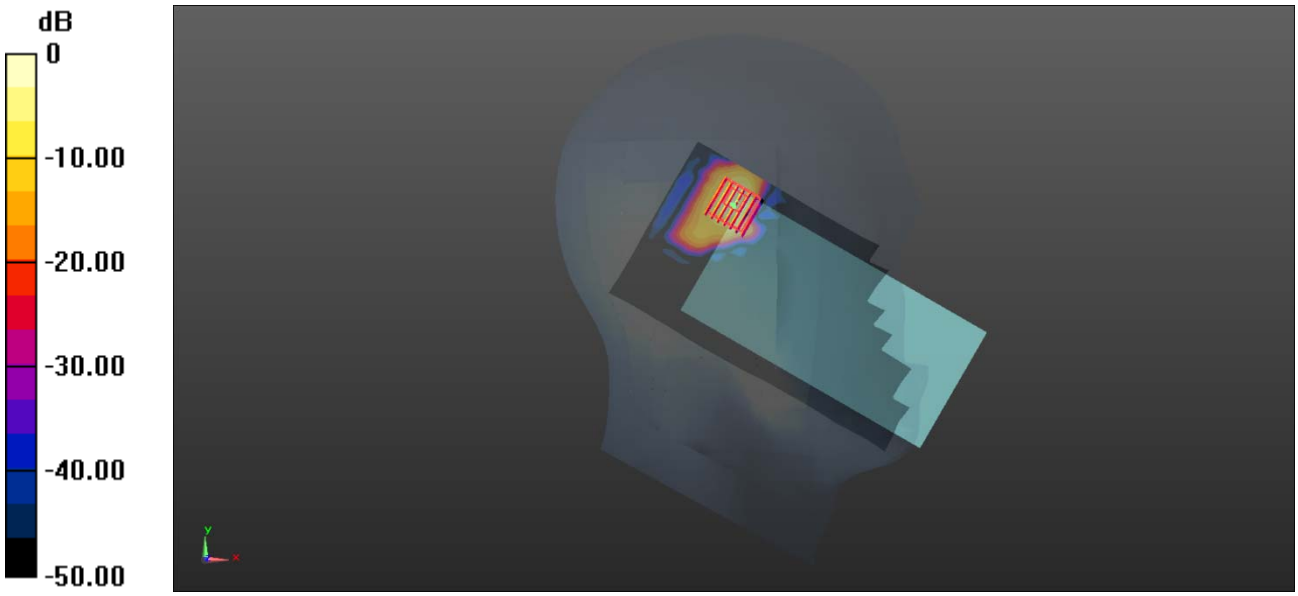
Ch149/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.668 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.81 W/kg

SAR(1 g) = 0.803 W/kg; SAR(10 g) = 0.206 W/kg

Maximum value of SAR (measured) = 1.98 W/kg



0 dB = 1.98 W/kg

MEAS.42 Body Plane with Back Side 15mm on Channel 52 in IEEE802.11a mode

Date: 2020.07.22

Communication System Band: WLAN(a); Frequency: 5260 MHz;Duty Cycle: 1:1.045

Medium parameters used: f = 5260 MHz; σ = 4.702 S/m; ε_r = 35.705; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.51, 5.51, 5.51); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.306 W/kg

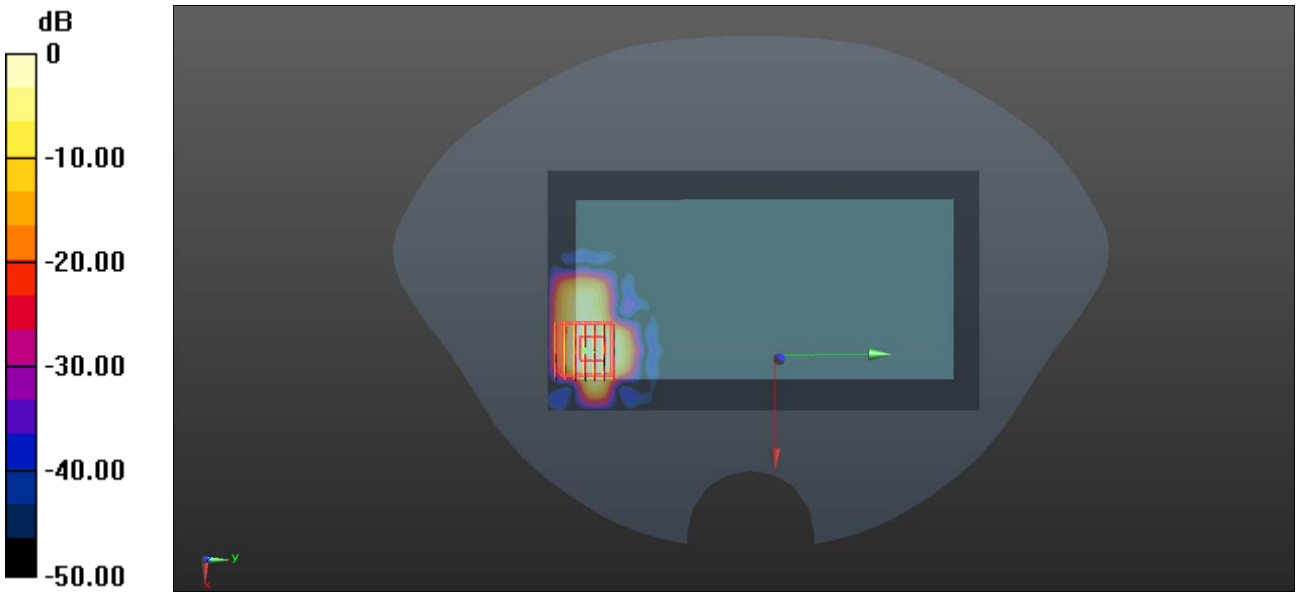
Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.042 W/kg

Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.270 W/kg

MEAS.43 Body Plane with Back Side 15mm on Channel 116 in IEEE802.11a mode

Date: 2020.07.23

Communication System Band: WLAN(a); Frequency: 5580 MHz;Duty Cycle: 1:1.045

Medium parameters used (interpolated): f = 5580 MHz; σ = 5.128 S/m; ε_r = 35.512; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.8, 4.8, 4.8); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch116/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.288 W/kg

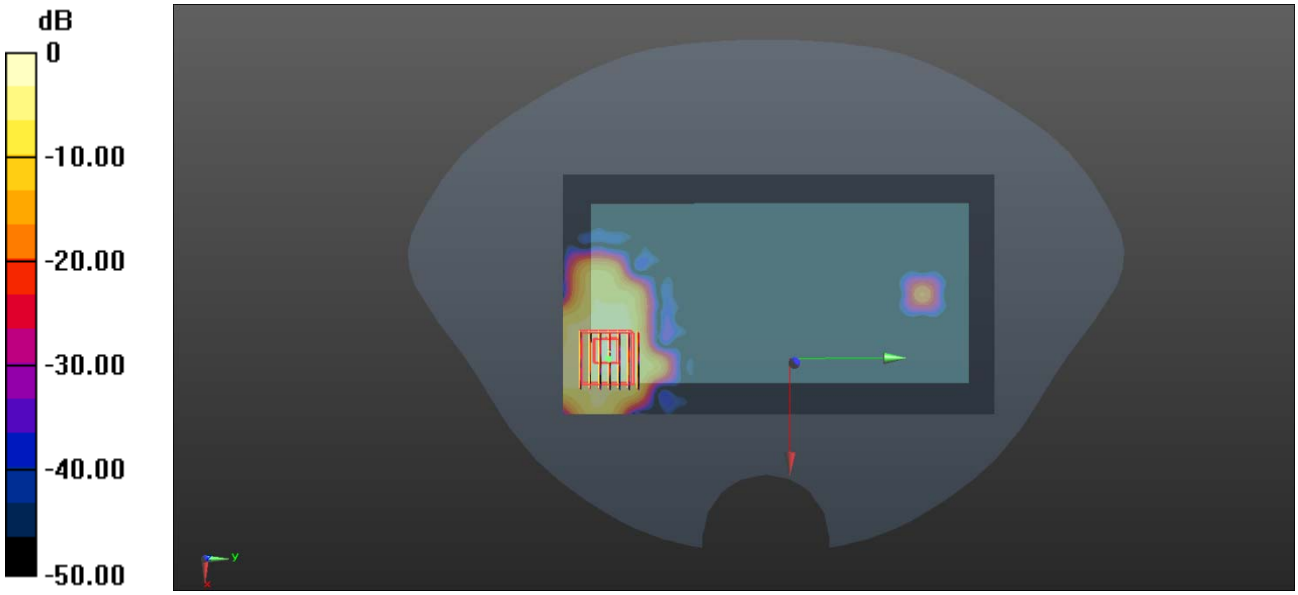
Ch116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.096 W/kg

Maximum value of SAR (measured) = 0.548 W/kg



0 dB = 0.548 W/kg

MEAS.44 Body Plane with Back Side 15mm on Channel 149 in IEEE802.11a mode

Date: 2020.07.25

Communication System Band: WLAN(a); Frequency: 5745 MHz;Duty Cycle: 1:1.045

Medium parameters used: f = 5745 MHz; σ = 5.148 S/m; ε_r = 36.114; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.06, 5.06, 5.06); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.256 W/kg

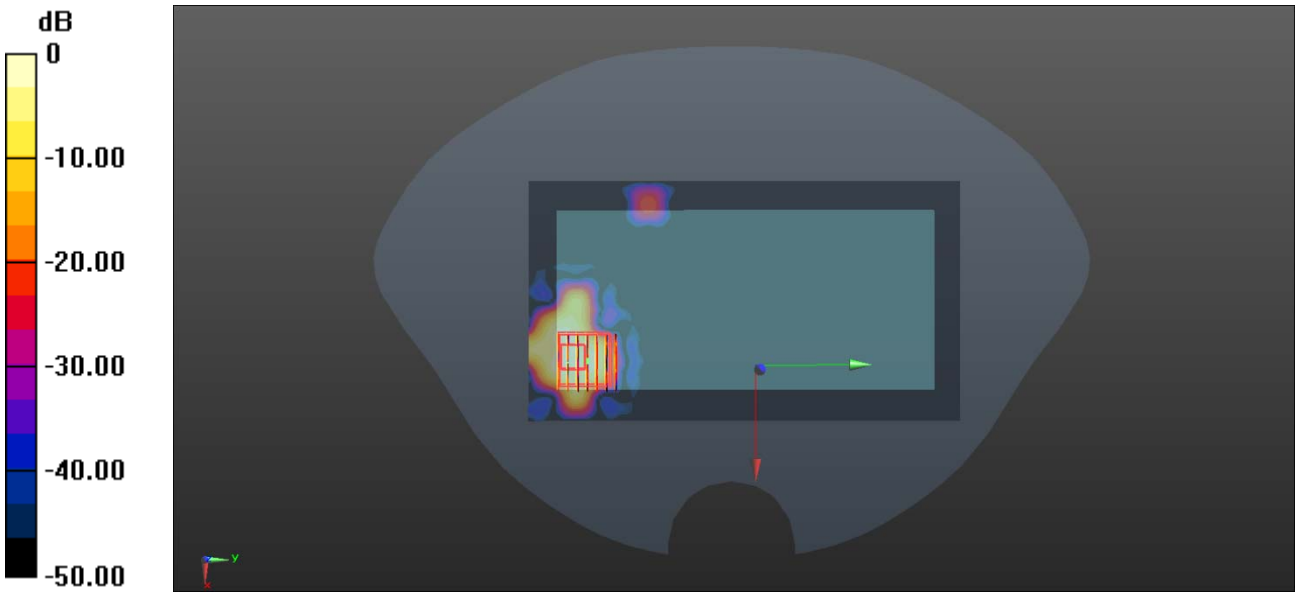
Ch149/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.373 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.039 W/kg

Maximum value of SAR (measured) = 0.294 W/kg



0 dB = 0.294 W/kg

MEAS.45 Body Plane with Top Edge 10mm on Channel 40 in IEEE802.11a mode

Date: 2020.07.22

Communication System Band: WLAN(a); Frequency: 5200 MHz;Duty Cycle: 1:1.045

Medium parameters used: f = 5200 MHz; σ = 4.625 S/m; ε_r = 36.323; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.51, 5.51, 5.51); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.368 W/kg

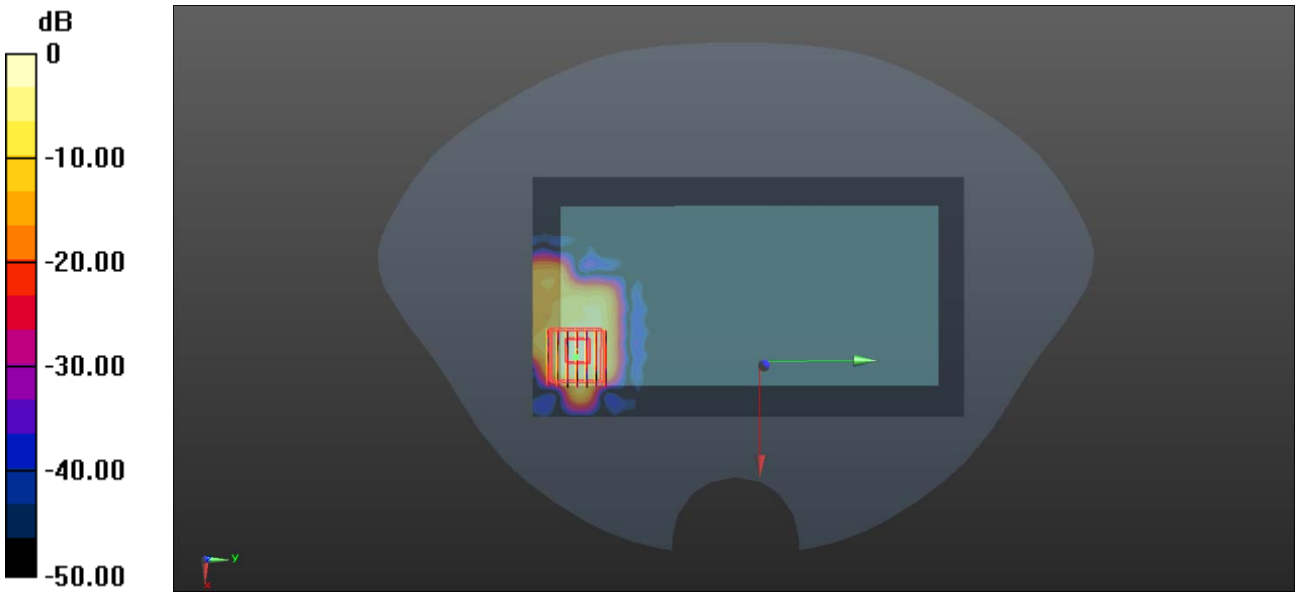
Ch40/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.074 W/kg

Maximum value of SAR (measured) = 0.524 W/kg



0 dB = 0.524 W/kg

MEAS.46 Body Plane with Top Edge 10mm on Channel 149 in IEEE802.11a mode

Date: 2020.07.25

Communication System Band: WLAN(a); Frequency: 5745 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5745 MHz; σ = 5.148 S/m; ε_r = 36.114; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.06, 5.06, 5.06); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (81x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.664 W/kg

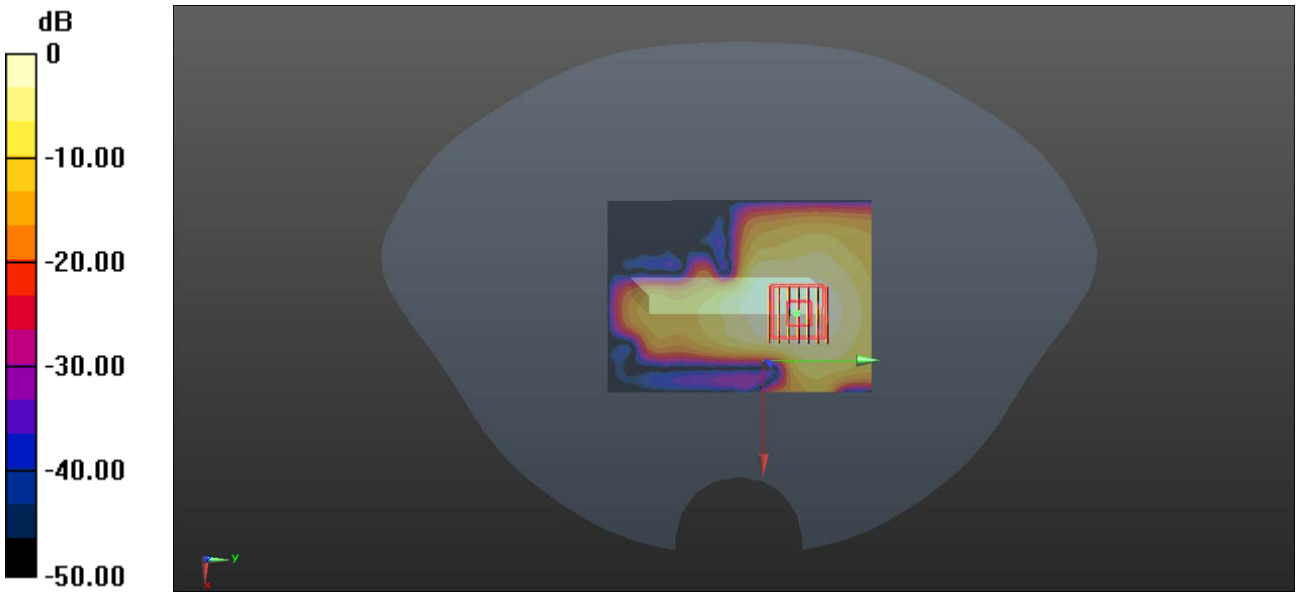
Ch149/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.933 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.558 W/kg



0 dB = 0.558 W/kg

MEAS.47 Body Plane with Top Edge 0mm on Channel 52 in IEEE802.11a mode

Date: 2020.07.22

Communication System Band: WLAN(a); Frequency: 5260 MHz;Duty Cycle: 1:1.045

Medium parameters used: f = 5260 MHz; σ = 4.702 S/m; ε_r = 35.705; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.51, 5.51, 5.51); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (81x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.23 W/kg

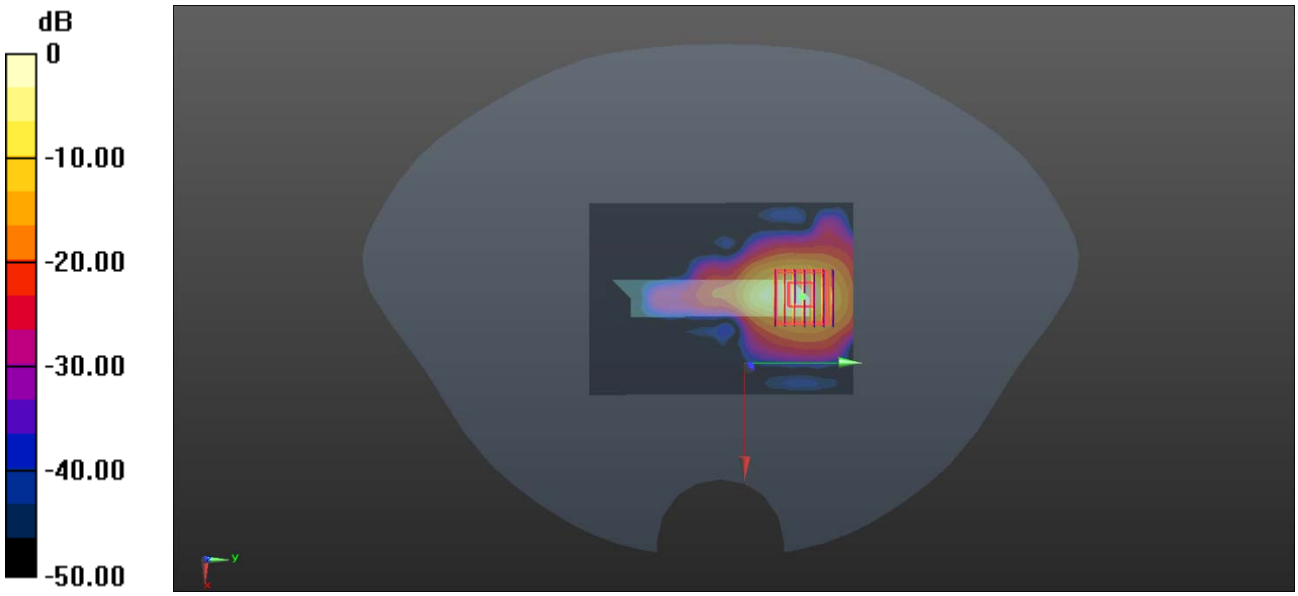
Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.726 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 24.6 W/kg

SAR(1 g) = 3.77 W/kg; SAR(10 g) = 0.812 W/kg

Maximum value of SAR (measured) = 9.88 W/kg



0 dB = 9.88 W/kg

MEAS.48 Body Plane with Top Edge 0mm on Channel 116 in IEEE802.11a mode

Date: 2020.07.23

Communication System Band: WLAN(a); Frequency: 5580 MHz;Duty Cycle: 1:1.045

Medium parameters used (interpolated): f = 5580 MHz; σ = 5.012 S/m; ε_r = 35.512; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.8, 4.8, 4.8); Calibrated: 2019.08.02;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch116/Area Scan (81x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.79 W/kg

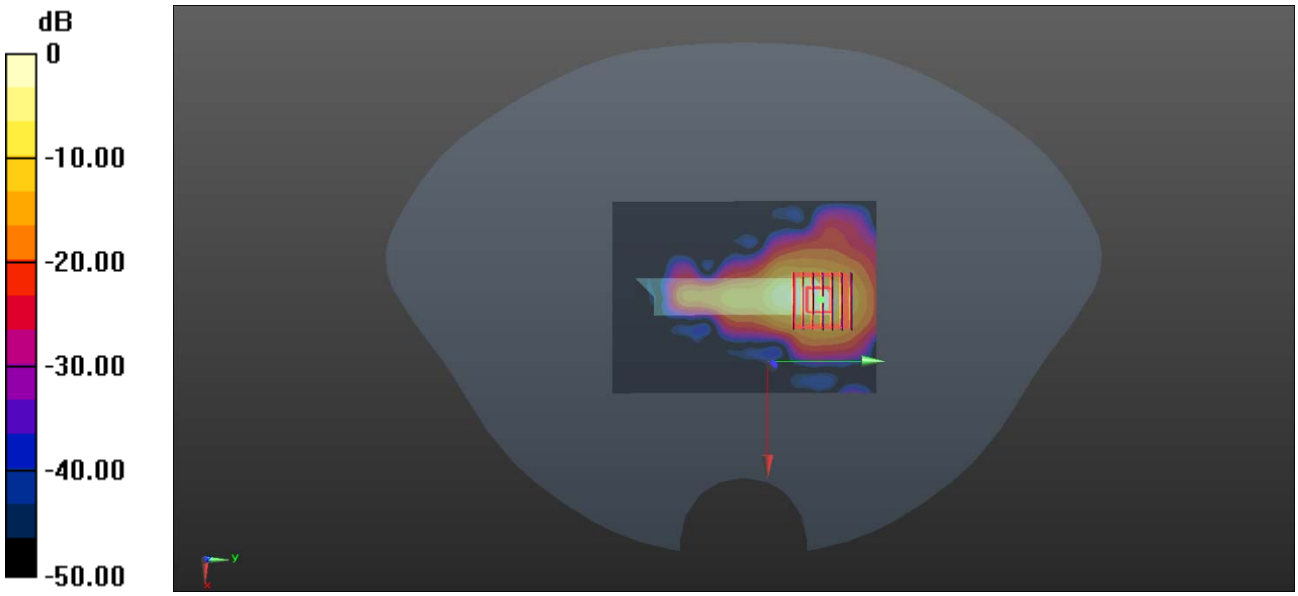
Ch116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.994 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 18.8 W/kg

SAR(1 g) = 2.84 W/kg; SAR(10 g) = 0.665 W/kg0

Maximum value of SAR (measured) = 7.70 W/kg



0 dB = 7.70 W/kg

MEAS.49 Left Head with Tilt on Middle Channel in Bluetooth DH5 mode

Date: 2020.07.15

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.302

Medium parameters used: f = 2441 MHz; σ = 1.789 S/m; ε_r = 39.489; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.81, 7.81, 7.81); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.121 W/kg

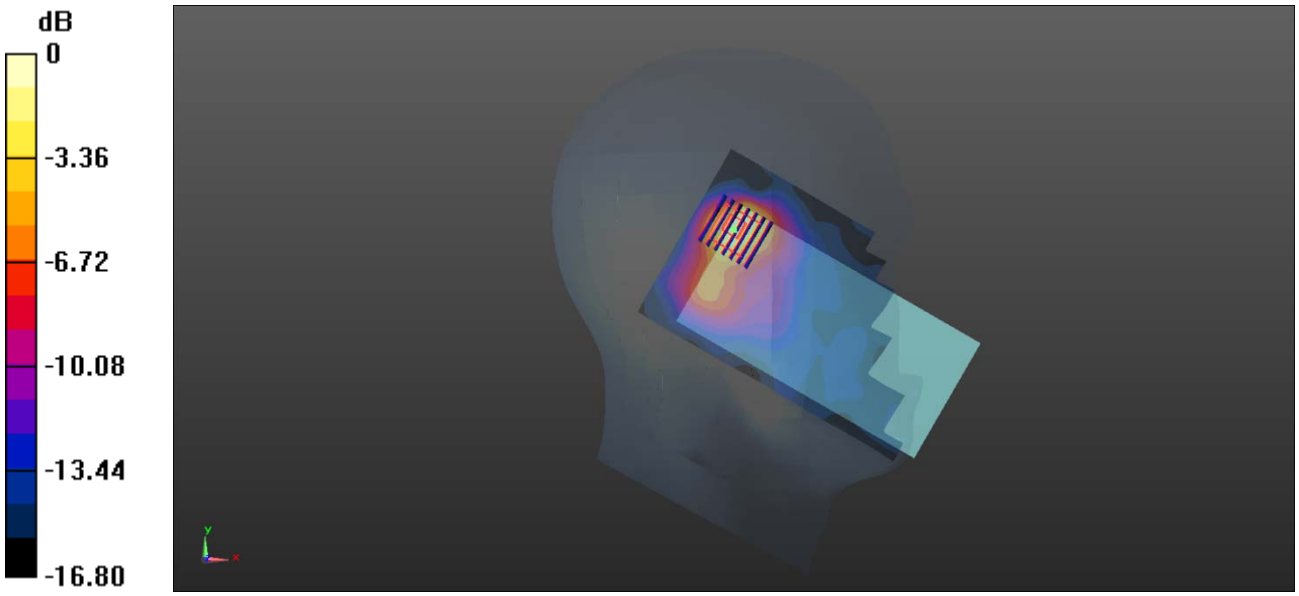
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.942 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.042 W/kg

Maximum value of SAR (measured) = 0.110 W/kg



0 dB = 0.110 W/kg

MEAS.50 Body Plane with Back Side 15mm on Middle Channel in Bluetooth DH5 mode

Date: 2020.07.15

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.302

Medium parameters used: f = 2441 MHz; σ = 1.789 S/m; ε_r = 39.489; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.81, 7.81, 7.81); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0174 W/kg

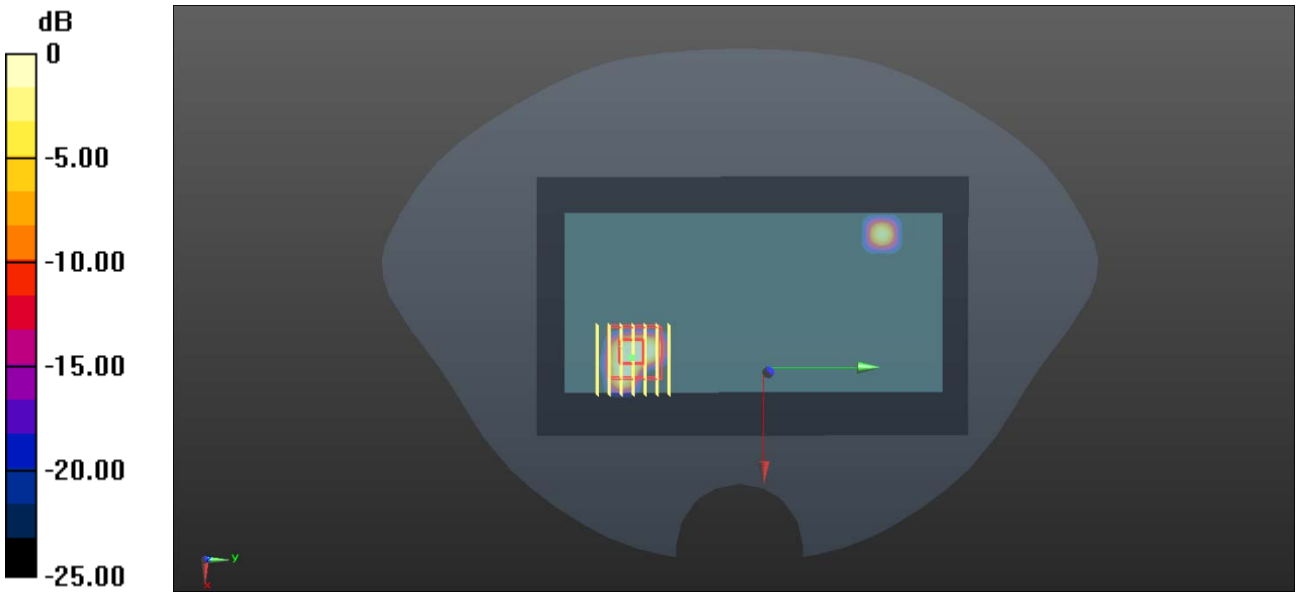
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.694 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.0450 W/kg

SAR(1 g) = 0.0083 W/kg; SAR(10 g) = 0.00205 W/kg

Maximum value of SAR (measured) = 0.00754 W/kg



0 dB = 0.00754 W/kg

MEAS.51 Body Plane with Top Edge 10mm on Middle Channel in Bluetooth DH5 mode

Date: 2020.07.15

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.302

Medium parameters used: f = 2441 MHz; σ = 1.789 S/m; ε_r = 39.489; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.7 Liquid Temperature:21.64

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.81, 7.81, 7.81); Calibrated: 2019.08.02;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2019.08.02
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CD; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0219 W/kg

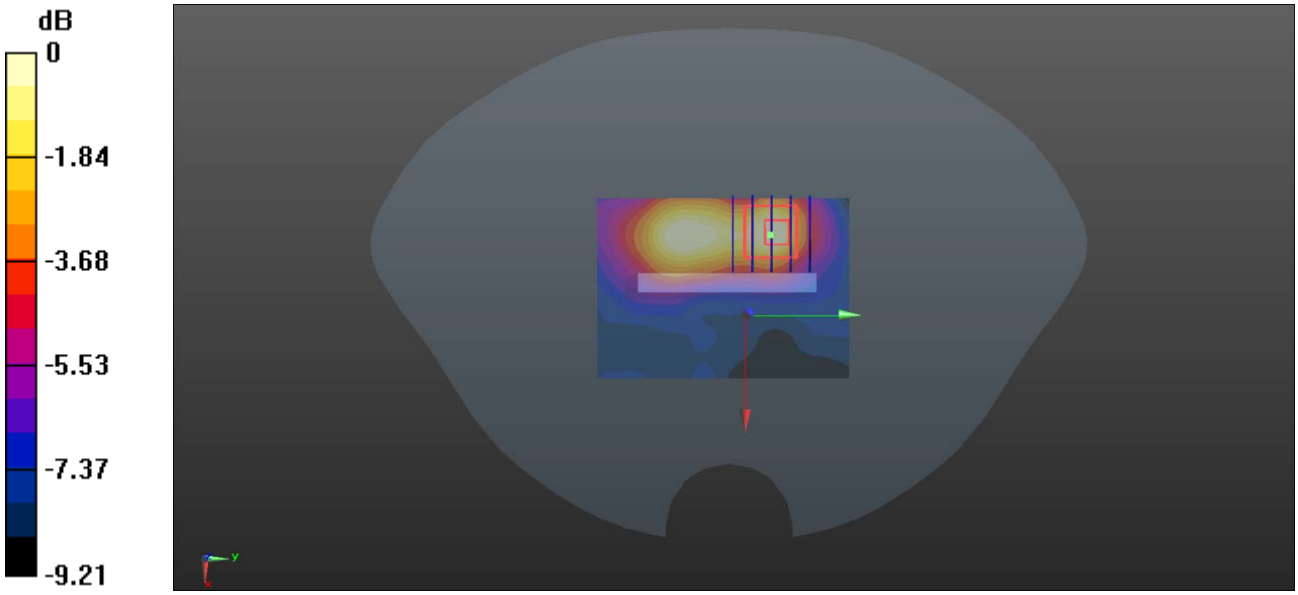
Ch39/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.022 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.0590 W/kg

SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.010 W/kg

Maximum value of SAR (measured) = 0.0196 W/kg



0 dB = 0.0196 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2070204-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2070204-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

--END OF REPORT--