Industrial Internet Innovation Center (Shanghai) Co.,Ltd.

SAR TEST REPORT

PRODUCT	Handheld Wireless Terminal
BRAND	SUNMI
MODEL	T8F1B
FCC ID	2AH25T8F1B
IC	22621-T8F1B
APPLICANT	Shanghai Sunmi Technology Co.,Ltd.
ISSUE DATE	February 21, 2025
STANDARD(S)	FCC 47 CFR Part 2.1093, RSS 102:Issue 6/2023, ANSI/IEEE C95.1-1992, IEEE Std 1528-2013, IEC/IEEE 62209-1528:2020

Prepared by: Chen Jintao **Reviewed by: Yan Hang** **Approved by: *Zhang Min***

CONTENTS

1 Summary of Test Report

1.1 Test Standard (s)

No.	Test Standard(s)	Title	Version
1	FCC 47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices.	N/A
2	RSS 102	Radio Frequency (RF) Exposure Compliance of Radio communication Apparatus (All Frequency Bands)	Issue 6/2023
3	ANSI/IEEE C95.1	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.	1992
4	IEEE Std 1528	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques	2013
5	IEC/IEEE 62209-1528	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)	2020
Note1: FCC adopts FCC 47 CFR Part 2.1093, ANSI/IEEE C95.1-1992, IEEE Std 1528-2013 standards. ISED adopts RSS 102:Issue 6/2023, IEC/IEEE 62209-1528:2020 standards. Note2: The standard of FCC 47 CFR Part 2.1093 has not been accredited by A2LA.			

1.2 Reference Documents

No.	Reference Document(s)	Title	Version
1	KDB 447498	General RF Exposure Guidance	D01 v06
2	KDB 865664	SAR Measurement 100 MHz to 6 GHz	D01 v01r04
3	KDB 865664	RF Exposure Reporting	D02 v01r02
4	KDB 941225	3G SAR Procedures	D01 v03r01
5	KDB 941225	SAR for LTE Devices	D05 v02r05
6	KDB 941225	Hotspot SAR	D06 v02r01
7	KDB 248227	802.11 Wi-Fi SAR	D01 v02r02
8	KDB 616217	SAR for laptop and tablets	D04 v01r02

1.3 Summary of Test Results

1.3.1 The maximum results of Specific Absorption Rate (SAR) in standalone mode are as follows.

Band	Reported SAR 1g(W/Kg)			Reported SAR 10g(W/Kg)	Detailed Results
	Head	Body-worn (10mm)	Hotspot (10mm)	Limb (0mm)	
GSM850	0.28	0.52	0.52	0.92	See section 14.1
PCS1900	0.12	0.64	0.64	0.71	See section 14.1
WCDMA Band Ⅱ	0.30	**1.15**	**1.15**	1.46	See section 14.1
WCDMA Band Ⅳ	0.15	0.92	0.92	1.01	See section 14.1
WCDMA Band Ⅴ	0.28	0.58	0.58	0.88	See section 14.1
LTE Band 7	0.42	0.88	0.88	**2.40**	See section 14.1
LTE Band 12	0.12	0.37	0.37	0.69	See section 14.1
LTE Band 13	0.19	0.41	0.41	0.62	See section 14.1
LTE Band 14	0.16	0.35	0.35	0.53	See section 14.1
LTE Band 25	0.33	1.12	1.12	1.71	See section 14.1
LTE Band 26	0.26	0.49	0.49	0.89	See section 14.1
LTE Band 30	0.13	1.13	1.13	2.24	See section 14.1
LTE Band 40	0.13	0.76	0.76	1.53	See section 14.1
LTE Band 41	0.37	0.94	0.94	1.52	See section 14.1
LTE Band 66	0.18	1.12	1.12	1.10	See section 14.1
LTE Band 71	0.13	0.44	0.44	0.95	See section 14.1
Wi-Fi 2.4G	**1.05**	0.36	0.40	0.87	See section 14.1
Wi-Fi 5G	0.61	0.56	0.56	0.86	See section 14.1
BT	0.28	0.11	0.11	0.32	See section 14.1

Band	Reported SAR 1g(W/Kg)			Reported SAR 10g(W/Kg)	Detailed Results
	Head	Body-worn (10mm)	Hotspot (10mm)	Limb (0mm)	
NOTE1: The T8F1B manufactured by Shanghai Sunmi Technology Co.,Ltd. is a new product for testing. NOTE2: The product has two SIM cards, SIM 1 and SIM 2 does not support simultaneous work, only supports a single transmitter; When SIM 1 is working, SIM 2 will be suspended until SIM 2 is selected. When stop using the SIM 1, SIM 2 would work. SIM1 is the worst mode. NOTE3: The device supports LTE Band 2/4/5/17/38 and LTE Band 25/66/26/12/41, since the supported frequency span for LTE Band 2/4/5/17/38 falls completely within the supports frequency span for LTE Band 25/66/26/12/41. The maximum output power(including tolerance) of LTE Band 2/4/5/17/38 is less than or equal to LTE Band 25/66/26/12/41, and both LTE bands share the same transmission path. According to TCB workshop April 2015 RF Exposure Procedures(Overlapping LTE Bands), LTE Band 2 is covered by LTE Band 25, LTE Band 4 is covered by LTE Band 66, LTE Band 5 is covered by LTE Band 26, LTE Band 17 is covered by LTE Band 12, LTE Band 38 is covered by LTE Band 41, therefore, SAR was only assessed for LTE Band 25/66/26/12/41. NOTE4: Industrial Internet Innovation Center (Shanghai) Co., Ltd. has verified that the compliance of the tested device specified in section 4 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 1 of this test report.					

1.3.2 The maximum results of Specific Absorption Rate (SAR) in simultaneous mode are as follows.

Highest Reported SAR 1g(W/kg)			
Mode	**Position**	**Simultaneous Transmission SAR**	**Detailed Results**
LTE Band 7&Wi-Fi 2.4G	Head	1.46	See section 14.2
WCDMA Band II &Wi-Fi 2.4G	Body-worn (10mm)	1.51	See section 14.2
LTE Band 41&Wi-Fi 5G	Hotspot (10mm)	1.50	See section 14.2
Highest Reported SAR 10g(W/kg)			
LTE Band 30&Wi-Fi 5G	Limb (0mm)	3.07	See section 14.2

2 General Information of The Laboratory

2.1 Testing Laboratory

Lab Name	Industrial Internet Innovation Center (Shanghai) Co.,Ltd.
Address	Building 4，No. 766，Jingang Road，Pudong，Shanghai，China
Telephone	021-68866880
FCC Registration No.	708870
FCC Designation No.	CN1364
IC Designation No.	10766A
CAB identifier	CN0067

2.2 Laboratory Environmental Requirements

Temperature	18℃~25℃
Relative Humidity	25%RH~75%RH

2.3 Project Information

Project Manager	Gao Hongning
Test Date	December 6, 2024 to January 15, 2025

3 General Information of The Customer

3.1 Applicant

Company	Shanghai Sunmi Technology Co.,Ltd.
Address	Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China
Telephone	8618501703215

3.2 Manufacturer

Company	Shanghai Sunmi Technology Co.,Ltd.
Address	Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China
Telephone	8618501703215

4 General Information of The Product

4.1 Product Description for Equipment under Test (EUT)

Product	Handheld Wireless Terminal
Model	T8F1B
Date of Receipt	December 3, 2024
EUT ID*	S17aa/S18aa
SN/IMEI	S17aa:862072070026758/862072070026766 S18aa:862072070026717/862072070026725
Supported Radio Technology and Bands	GSM850/GSM900/DCS1800/PCS1900 WCDMA Band Ⅰ/ Ⅱ /Ⅳ/ Ⅴ /Ⅵ/Ⅷ/XIX LTE Band 1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/30/34/38/39/40/41/66/71 Wi-Fi 802.11a/b/g/n/ac BT5.2, BLE NFC
Tx Frequency	824 MHz-849 MHz (GSM850) 1850 MHz-1910 MHz (PCS1900) 1850 MHz-1910 MHz (WCDMA Band II) 1710 MHz-1755 MHz (WCDMA Band IV) 824 MHz-849 MHz (WCDMA Band V) 1850 MHz-1910 MHz (LTE Band 2) 1710 MHz-1755 MHz (LTE Band 4) 824 MHz-849 MHz (LTE Band 5) 2500 MHz-2570 MHz (LTE Band 7) 699 MHz-716 MHz (LTE Band 12) 777 MHz-787 MHz (LTE Band 13) 788 MHz-798 MHz (LTE Band 14) 704 MHz-716 MHz (LTE Band 17) 1850 MHz-1915 MHz (LTE Band 25) 814 MHz-849 MHz (LTE Band 26 FCC) 824 MHz-849 MHz (LTE Band 26 ISED) 2305 MHz-2315 MHz (LTE Band 30) 2570 MHz-2620 MHz (LTE Band 38) 2305 MHz-2315 MHz/2350 MHz-2360 MHz (LTE Band 40) 2496 MHz-2690 MHz (LTE Band 41 FCC) 2500 MHz-2690 MHz (LTE Band 41 ISED) 1710 MHz-1780 MHz (LTE Band 66) 663 MHz-698 MHz (LTE Band 71) 2412 MHz-2462 MHz (Wi-Fi 2.4G) 5180 MHz-5240 MHz (Wi-Fi 5G U-NII-1) 5260 MHz-5320 MHz (Wi-Fi 5G U-NII-2A) 5500 MHz-5700 MHz (Wi-Fi 5G U-NII-2C) 5745 MHz-5825 MHz (Wi-Fi 5G U-NII-3) 2402 MHz-2480 MHz (BT/BLE) 13.56 MHz (NFC)
HVIN	T8F1B

Hardware Version	V00
Software Version	1.00.00.20241113_186_userdebug
Dimension	175.3*79.9*15.5mm
NOTE1: EUT ID is the internal identification code of the laboratory. NOTE2: Samples in the test report are provided by the customer. The test results are only applicable to the samples received by the laboratory.	

4.2 Description for Auxiliary Equipment (AE)

AE ID*	Description	Model	SN/Remark
BA13	Battery	GYPA	E1501405548V100JE
BA14	Battery	GYPA	E1501405548V100N6
NOTE: AE ID is the internal identification code of the laboratory.			

5 Test Configuration Information

5.1 Test Equipments Utilized

No.	Name	Model	S/N	Software Version	Hardware Version	Manufacturer	Cal. Date	Cal. Interval
1	Network analyzer	N5242A	MY51221755	A.09.33.09	N/A	Agilent	Oct.10, 2024	1 Year
2	Power meter	NRX	103851	02.50.21112602	20.00	R&S	Jul.25, 2024	1 Year
3	Power sensor	NRP18S-10	101841	N/A	N/A	R&S	Jul.25, 2024	1 Year
4	Power sensor	NRP18S-10	101842	N/A	N/A	R&S	Jul.25, 2024	1 Year
5	Signal Generator	E4438C	MY49072044	N/A	C.05.83	Agilent	Jul.25, 2024	1 Year
6	Amplifier	NTWPA-07605	22039018	N/A	N/A	RFLIGHT	Jul.25, 2024	1 Year
7	Test Software	DASY5	N/A	52.10.4.1527	N/A	SPEAG	N/A	N/A
8	DAE	DAE4	1581	N/A	N/A	SPEAG	Feb.22, 2024	1 Year
9	E-field Probe	EX3DV4	7634	N/A	N/A	SPEAG	Mar.20, 2024	1 Year
10	BTS	CMU 200	123102	V5.21	N/A	R&S	Jul.25, 2024	1 Year
11	BTS	MT8820C	6201240338	V3.8.10	N/A	Anritsu	Oct.10, 2024	1 Year
12	Dipole Validation Kit	D750V3	1144	N/A	N/A	SPEAG	Sep.3, 2024	1 Year
13	Dipole Validation Kit	D835V2	4d112	N/A	N/A	SPEAG	Aug.30, 2024	1 Year
14	Dipole Validation Kit	D1750V2	1044	N/A	N/A	SPEAG	Sep.3, 2024	1 Year
15	Dipole Validation Kit	D1900V2	5d232	N/A	N/A	SPEAG	Nov.8, 2024	1 Year
16	Dipole Validation Kit	D2300V2	1021	N/A	N/A	SPEAG	Sep.3, 2024	1 Year
17	Dipole Validation Kit	D2450V2	858	N/A	N/A	SPEAG	Sep.5, 2024	1 Year
18	Dipole Validation Kit	D2600V2	1031	N/A	N/A	SPEAG	Aug.30, 2024	1 Year
19	Dipole Validation Kit	D5GHzV2	1172	N/A	N/A	SPEAG	Sep.4, 2024	1 Year

5.2 Measurement Uncertainty

Item	Uncertainty
SAR (IEEE Std 1528-2013)	$U_{SAR(1g)}$=22.36%, $U_{SAR(10g)}$=22.08%
SAR (IEC/IEEE 62209-1528:2020)	$U_{SAR(1g)}$=23.34%, $U_{SAR(10g)}$=23.18%
NOTE: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

5.3 EUT Connection Diagram of Test System

5.3.1 SAR

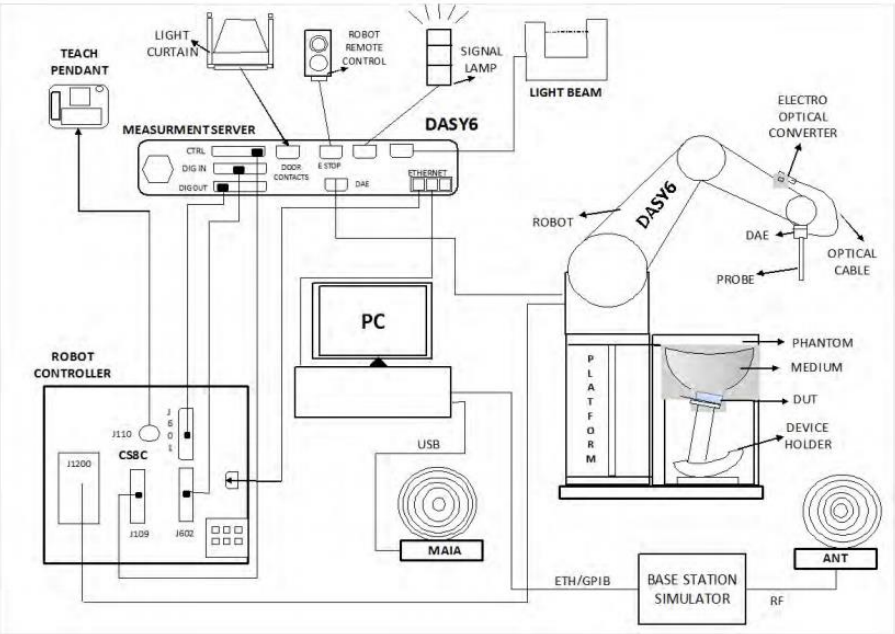


Figure 5.3.1-1 SAR Connection Diagram

6 Specific Absorption Rate(SAR)

6.1 Introduction

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

6.2 SAR Definition

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:

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

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

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

$$SAR = c\left(\frac{\delta T}{\delta t}\right)$$

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

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

Where:

σ is the conductivity of the tissue

ρ is the mass density of tissue, which is normally set to 1g/cm^3

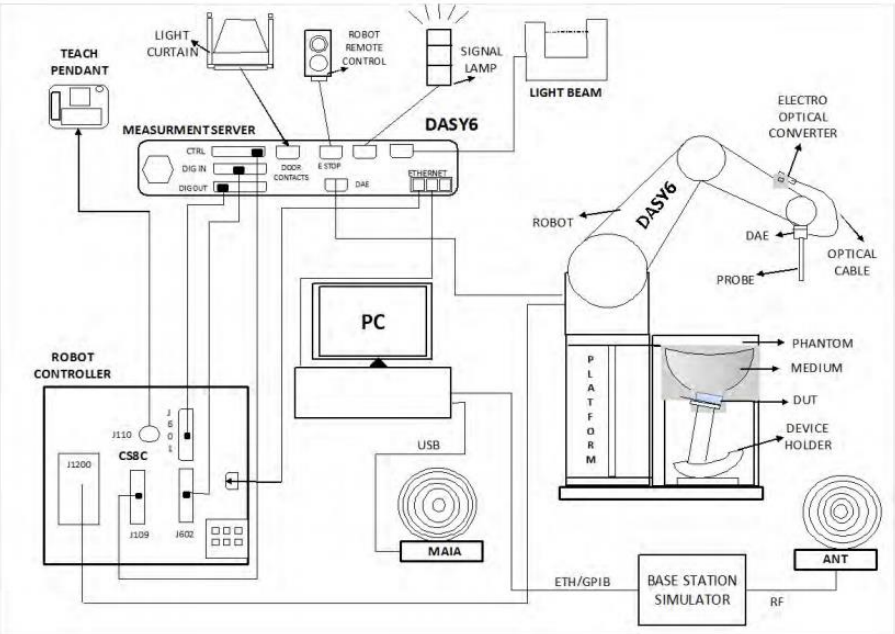
E is the RMS electrical field strength

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

7 SAR Measurement System Introduction

7.1 Measurement Set-up

The DASY6 system for performing compliance tests is illustrated above graphically. This system consists of the following items:



Figures 7.1-1 SAR Measurement Set-up

- A standard high precision 6-axis robot (Stäubli TX=RX family) with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal 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.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running WinXP and the DASY software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.

The phantom, the device holder and other accessories according to the targeted measurement.

7.2 E-field Probe System

The SAR measurements were conducted with the dosimetric probe designed in the classical triangular configuration and optimized for dosimetric evaluation. The probe is constructed using the thick film technique; with printed resistive lines on ceramic substrates. The probe is equipped with an optical multi-fiber line ending at the front of the probe tip. It is connected to the EOC box on the robot arm and provides an automatic detection of the phantom surface. Half of the fibers are connected to a pulsed infrared transmitter, the other half to a synchronized receiver. As the probe approaches the surface, the reflection from the surface produces a coupling from the transmitting to the receiving fibers. This reflection increases first during the approach, reaches maximum and then decreases. If the probe is flatly touching the surface, the coupling is zero. The distance of the coupling maximum to the surface is independent of the surface reflectivity and largely independent of the surface to probe angle. The DASY software reads the reflection during a software approach and looks for the maximum using 2nd order curve fitting. The approach is stopped at reaching the maximum.

Probe Specifications	
Model	EX3DV4
Frequency Range	4 MHz – 10 GHz
Calibration	In head simulating tissue at frequency from 650MHz to 5900MHz
Linearity	±0.2 dB (30 MHz – 10 GHz)
Dynamic Range	10 µW/g – >100 mW/g
Probe Length	337 mm
Probe Tip Length	20 mm
Body Diameter	12 mm
Tip Diameter	2.5 mm
Tip-Center	1 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better than 30%.

Figure 7.2-1 Detail of Probe

Figure 7.2-2 E-field Probe

7.3 E-field Probe Calibration

Each E-Probe/Probe Amplifier combination has unique calibration parameters. A TEM cell calibration procedure is conducted to determine the proper amplifier settings to enter in the probe parameters. The amplifier settings are determined for a given frequency by subjecting the probe to a known E-field density (1 mW/cm2) using an RF Signal generator, TEM cell, and RF Power Meter.

The free space E-field from amplified probe outputs is determined in a test chamber. This calibration can be performed in a TEM cell if the frequency is below 1 GHz and inn a waveguide or other methodologies above 1 GHz for free space. For the free space calibration, the probe is placed in the volumetric center of the cavity and at the proper orientation with the field. The probe is then rotated 360 degrees until the three channels show the maximum reading. The power density readings equates to 1 mW/cm2..

E-field temperature correlation calibration is performed in a flat phantom filled with the appropriate simulated brain tissue. The E-field in the medium correlates with the temperature rise in the dielectric medium. For temperature correlation calibration a RF transparent thermistor-based temperature probe is used in conjunction with the E-field probe.

$$SAR = C\frac{\Delta T}{\Delta t}$$

Where:

Δt = Exposure time (30 seconds),

C = Heat capacity of tissue (brain or muscle),

ΔT = Temperature increase due to RF exposure.

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

Where:

σ = Simulated tissue conductivity,

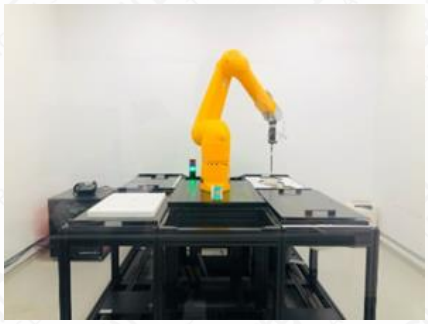
ρ = Tissue density (kg/m^3).

7.4 Other Test Equipment

7.4.1 Data Acquisition Electronics (DAE)

The data acquisition electronics consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.	
The mechanical probe mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection. The input impedance of the DAE is 200M Ohm; the inputs are symmetrical and floating. Common mode rejection is above 80dB.	Figure 7.4.1-1: DAE

7.4.2 Robot

The SPEAG DASY system uses the high precision robots (DASY6: TX90) type from Stäubli SA (France). For the 6-axis controller system, the robot controller version from Stäubli is used. The Stäubli robot series have many features that are important for our application	
➢ High precision (repeatability 0.02mm) ➢ High reliability (industrial design) ➢ Low maintenance costs (virtually maintenance free due to direct drive gears; no belt drives) ➢ Jerk-free straight movements (brushless synchronal motors; no stepper motors) ➢ Low ELF interference (motor control fields shielded via the closed metallic construction shields)	Figure 7.4.2-1: DASY6

7.4.3 Measurement Server

The DASY6 measurement server is based on a PC/104 CPU board with a 400 MHz intel ULV Celeron, 128 MB chipdisk and 128 MB RAM. The necessary circuits for communication with either the DAE4 (or DAE3) electronics box as well as the 16 bit AD converter system for optical detection and digital I/O interface are contained on the DASY6 I/O board, which is directly connected to the PC/104 bus of the CPU board.

Figure 7.4.3-1 Server for DASY6

The measurement server performs all real-time data evaluation of field measurements and surface detection, controls robot movements and handles safety operation. The PC operating system cannot interfere with these time critical processes. All connections are supervised by a watchdog, and disconnection of any of the cables to the measurement server will automatically disarm the robot and disable all program-controlled robot movements. Furthermore, the measurement server is equipped with an expansion port which is reserved for future applications. Please note that this expansion port does not have a standardized pinout, and therefore only devices provided by SPEAG can be connected. Devices from any other supplier could seriously damage the measurement server.

7.4.4 Device Holder for Phantom

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5mm distance, a positioning uncertainty of ±0.5mm would produce a SAR uncertainty of ±20%. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.

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

Figure 7.4.4-1: Device Holder

The DASY device holder is constructed of low-loss POM material having the following dielectric parameters: relative permittivity ε =3 and loss tangent δ =0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the Mounting Device in place of the phone positioner. The extension is fully compatible with the Twin-SAM and ELI phantoms.	
The DASY device holder is constructed of low-loss POM material having the following dielectric parameters: relative permittivity ε =3 and loss tangent δ =0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.	Figure 7.4.4-2: Laptop Extension Kit

7.4.5 Phantom

The SAM Twin Phantom V4.0 is constructed of a fiberglass shell integrated in a table. The shape of the shell is based on data from an anatomical study designed to represent the 90th percentile of the population. The phantom enables the dissymmetric evaluation of SAR for both left and right handed handset usage, as well as body-worn usage using the flat phantom region. Reference markings on the Phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points in the robot. The shell phantom has a 2mm shell thickness (except the ear region where shell thickness increases to 6 mm).

Shell Thickness	2 ± 0.2 mm
Available	Special
Filling Volume	Approx. 25 liters
Dimensions	810 mm x l000 mm x 500 mm (H x L x W)

Figure 7.4.5-1: SAM Twin Phantom

8 Test Position in Relation to the Phantom

8.1 General considerations

This standard specifies two handset test positions against the head phantom – the “cheek” position and the “tilt” position.

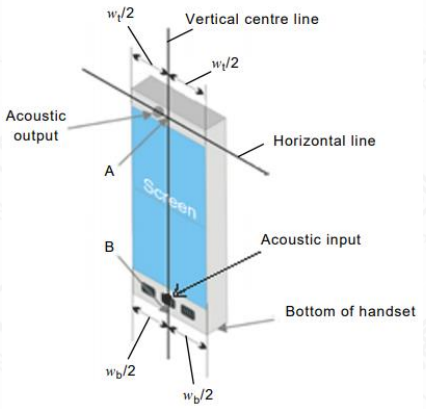


Figure 8.1-1 full touch screen smart phone (top)

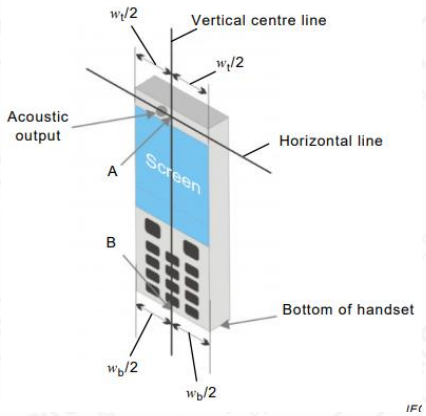


Figure 8.1-2 keyboard handset (bottom)

w_t	Width of the handset at the level of the acoustic output
w_b	Width of the bottom of the handset
A	Midpoint of the width w_t of the DUT at the level of the acoustic output
B	Midpoint of the width w_b of the bottom of the handset

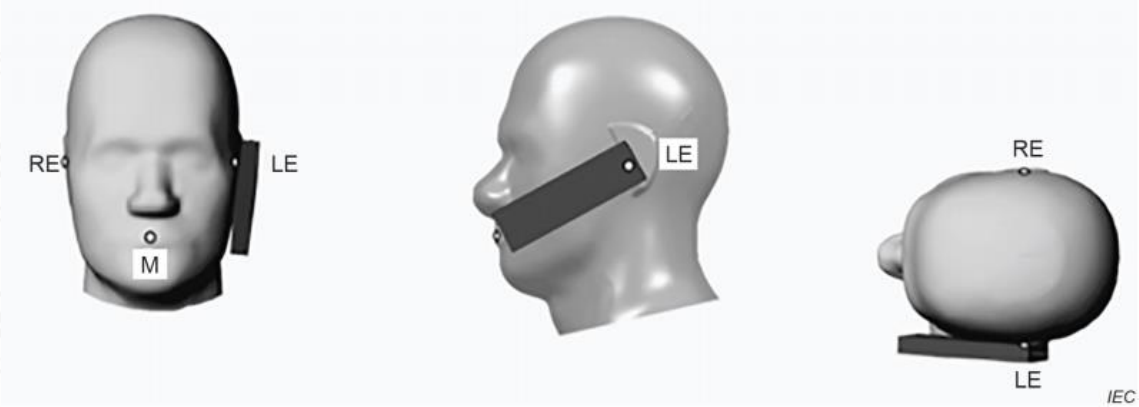


Figure 8.1-3 Cheek position of the wireless device on the left side of SAM

Figure 8.1-4 Tilt position of the wireless device on the left side of SAM

8.2 Body-worn device

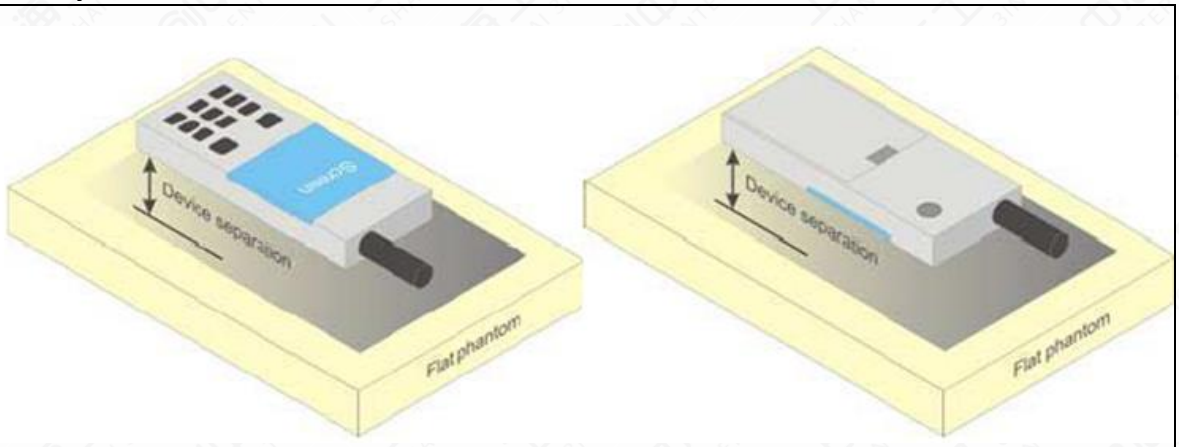
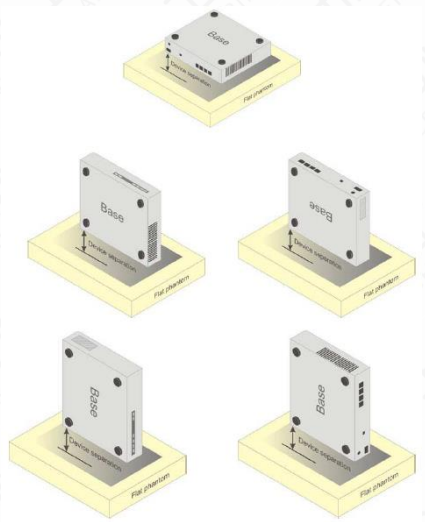


Figure 8.2-1 Test positions for body-worn devices

A typical example of a body-worn device is a mobile phone, wireless enabled PDA (personal digital assistant) or other battery operated wireless device with the ability to transmit while mounted on a person's body using a carry accessory approved by the wireless device manufacturer.

8.3 Desktop device

A typical example of a desktop device is a wireless enabled desktop computer placed on a table or desk when used.	
The DUT shall be positioned at the distance and in the orientation to the phantom that corresponds to the intended use as specified by the manufacturer in the user instructions. For devices that employ an external antenna with variable positions.	
Tests shall be performed for all antenna positions specified.	
Picture 8-6 shows positions for desktop device SAR tests. If the intended use is not specified, the device shall be tested directly against the flat	Figure 8.3-1 Test positions for desktop devices

9 Tissue Simulating Liquids

9.1 Equivalent Tissues Composition

The liquid used for the frequency range of 650-6000 MHz consisted of water, sugar, salt, preventol, glycol monobutyl and Cellulose. The liquid has been previously proven to be suited for worst-case. The Table 9.1 shows the detail solution. It's satisfying the latest tissue dielectric parameters requirements proposed by the IEEE Std 1528.

Table 9.1-1: Composition of the Head Tissue Equivalent Matter

Frequency (MHz)	**835**	**900**	**1800**	**1950**	**2300**	**2450**	**2600**	**5800**
Ingredients (% by weight)								
Water	41.45	40.92	55.242	54.89	56.34	58.79	58.79	65.53
Sugar	56.0	56.5	/	/	/	/	/	/
Salt	1.45	1.48	0.306	0.18	0.14	0.06	0.06	/
Preventol	0.1	0.1	/	/	/	/	/	/
Cellulose	1.0	1.0	/	/	/	/	/	/
GlycolMonobutyl	/	/	44.452	44.93	43.52	41.15	41.15	/
Diethylenglycol momohexylether	/	/	/	/	/	/	/	17.24
Triton X-100	/	/	/	/	/	/	/	17.23
Dielectric Parameters Target Value	ε=41.5 σ=0.90	ε=41.5 σ=0.97	ε=40.0 σ=1.40	ε=40.0 σ=1.40	ε=39.5 σ=1.67	ε=39.2 σ=1.80	ε=39.0 σ=1.96	ε=35.3 σ=5.27

Table 9.1-2: Targets for tissue simulating liquid

Frequency (MHz)	Liquid Type	Conductivity (σ)	±5% Range	Permittivity (ε)	±5% Range
750	Head	0.89	0.846~0.934	41.9	39.805~43.995
835	Head	0.90	0.855~0.945	41.5	39.425~43.575
900	Head	0.97	0.922~1.018	41.5	39.425~43.575
1450	Head	1.20	1.140~1.260	40.5	38.475~42.525
1750	Head	1.37	1.302~1.438	40.1	38.095~42.105
1800	Head	1.40	1.330~1.470	40.0	38.000~42.000
1900	Head	1.40	1.330~1.470	40.0	38.000~42.000
2000	Head	1.40	1.330~1.470	40.0	38.000~42.000
2100	Head	1.49	1.416~1.564	39.8	37.810~41.790
2300	Head	1.67	1.587~1.753	39.5	37.525~41.475
2450	Head	1.80	1.710~1.890	39.2	37.240~41.160
2600	Head	1.96	1.862~2.058	39.0	37.050~40.950
3000	Head	2.40	2.280~2.520	38.5	36.575~40.425
3500	Head	2.91	2.765~3.055	37.9	36.005~39.795
4000	Head	3.43	3.259~3.601	37.4	35.530~39.270
4500	Head	3.94	3.743~4.137	36.8	34.960~38.640
5000	Head	4.45	4.228~4.672	36.2	34.390~38.010
5200	Head	4.66	4.427~4.893	36.0	34.200~37.800
5400	Head	4.86	4.617~5.103	35.8	34.010~37.590
5600	Head	5.07	4.817~5.323	35.5	33.725~37.275
5800	Head	5.27	5.007~5.533	35.3	33.535~37.065
6000	Head	5.48	5.206~5.754	35.1	33.345~36.855
NOTE: For dielectric properties of head tissue-equivalent liquid at other frequencies within the frequency range, a linear interpolation method shall be used.					

9.2 Liquid depth

The Measurements were performed in the flat section of the TWIN SAM or ELI phantom, shell thickness: 2.0±0.2mm (bottom Plate) filled with Body or Head simulating Liquid.

The depth of tissue-equivalent liquid in a phantom must be ≥ 15.0 cm with ≤ ±0.5 cm variation for SAR measurements ≤ 3 GHz and ≥ 10.0 cm with ≤± 0.5 cm variation for measurements > 3 GHz.

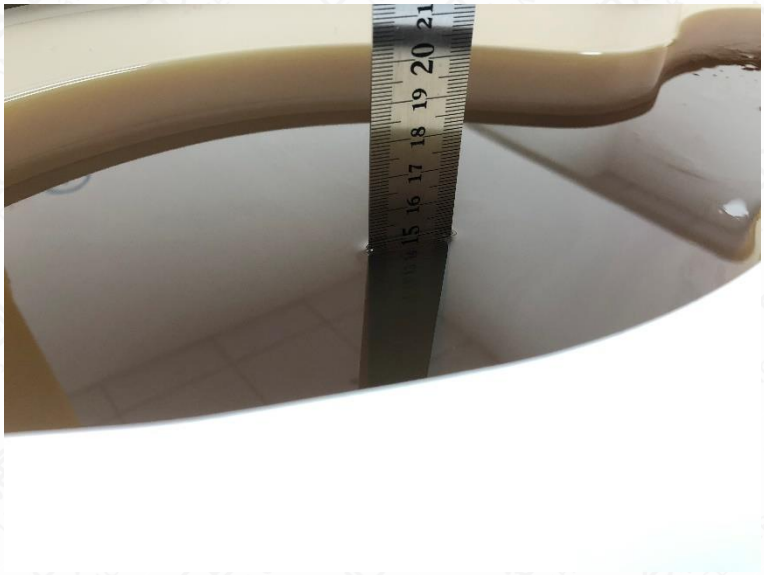


Figure 9.2-1 Liquid depth in the Flat Phantom for SAR measurements ≤ 3 GHz

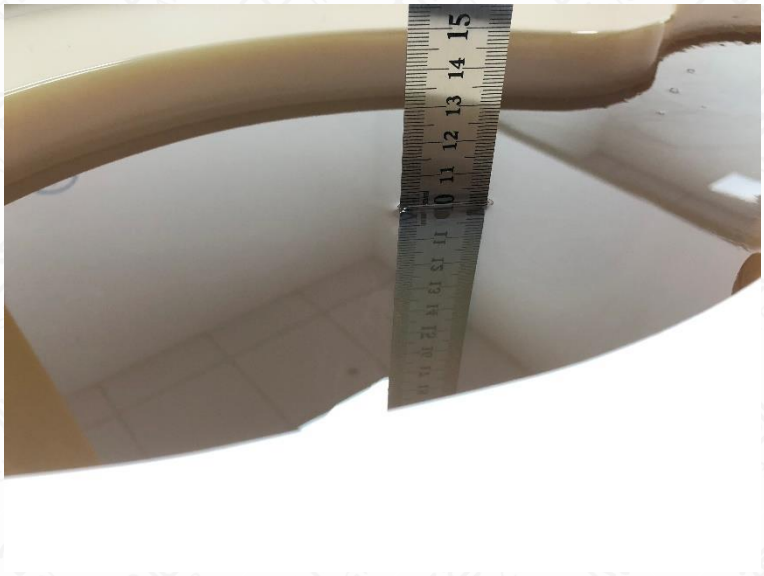


Figure 9.2-2 Liquid depth in the Flat Phantom for SAR measurements > 3 GHz

9.3 Dielectric Performance of TSL

Table 9.3-1: Dielectric Performance of Head Tissue Simulating Liquid

Tissue Simulating Liquid								
Frequency (MHz)	Head(Standard)		Temperature	Date	Test Result		Deviation	
	Permittivity ε	Conductivity σ			Permittivity ε	Conductivity σ	Permittivity ε	Conductivity σ
750	41.90	0.89	20.4℃	December 6, 2024	41.763	0.888	-0.33%	-0.22%
750	41.90	0.89	20.6℃	December 23, 2024	43.236	0.868	3.19%	-2.47%
835	41.50	0.90	20.7℃	December 9, 2024	42.137	0.922	1.53%	2.44%
835	41.50	0.90	20.3℃	December 19, 2024	42.431	0.902	2.24%	0.22%
835	41.50	0.90	20.5℃	December 24, 2024	43.040	0.902	3.71%	0.22%
1750	40.10	1.37	20.4℃	December 16, 2024	39.139	1.322	-2.40%	-3.50%
1750	40.10	1.37	20.5℃	December 25, 2024	39.192	1.322	-2.26%	-3.50%
1750	40.10	1.37	20.3℃	January 15, 2025	38.633	1.316	-3.66%	-3.94%
1900	40.00	1.40	20.5℃	December 17, 2024	38.985	1.410	-2.54%	0.71%
1900	40.00	1.40	20.5℃	December 26, 2024	39.034	1.411	-2.42%	0.79%
1900	40.00	1.40	20.4℃	January 14, 2025	38.489	1.403	-3.78%	0.21%
2300	39.50	1.67	20.3℃	December 27, 2024	40.506	1.731	2.55%	3.65%
2450	39.20	1.80	20.2℃	January 2, 2025	40.254	1.849	2.69%	2.72%
2600	39.00	1.96	20.2℃	January 3, 2025	40.023	1.965	2.62%	0.26%
2600	39.00	1.96	20.4℃	January 7, 2025	39.897	1.961	2.30%	0.05%
5200	36.00	4.66	20.4℃	January 8, 2025	35.765	4.715	-0.65%	1.18%
5300	35.90	4.76	20.4℃	January 8, 2025	35.561	4.834	-0.94%	1.55%

5600	35.50	5.07	20.5℃	January 13, 2025	34.983	5.182	-1.46%	2.21%
5800	35.30	5.27	20.5℃	January 13, 2025	34.597	5.419	-1.99%	2.83%

Table 9.3-2: Dielectric Performance of Head Tissue Simulating Liquid for ISED

Tissue Simulating Liquid								
Frequency (MHz)	Head(Standard)		Temperature	Date	Test Result		Deviation	
	Permittivity ε	Conductivity σ			Permittivity ε	Conductivity σ	Permittivity ε	Conductivity σ
704	42.145	0.887	20.4℃	December 6, 2024	41.937	0.872	-0.49%	-1.69%
707.5	42.127	0.887	20.4℃	December 6, 2024	41.920	0.873	-0.49%	-1.58%
711	42.108	0.887	20.4℃	December 6, 2024	41.903	0.874	-0.49%	-1.47%
782	41.749	0.894	20.4℃	December 6, 2024	41.663	0.899	-0.21%	0.56%
793	41.698	0.895	20.6℃	December 23, 2024	43.134	0.883	3.44%	-1.34%
673	42.311	0.885	20.6℃	December 23, 2024	43.568	0.847	2.97%	-4.29%
683	42.257	0.886	20.6℃	December 23, 2024	43.515	0.848	2.98%	-4.29%
688	42.231	0.886	20.6℃	December 23, 2024	43.488	0.849	2.98%	-4.18%
831.5	41.516	0.900	20.7℃	December 9, 2024	42.149	0.920	1.52%	2.22%
836.5	41.500	0.902	20.7℃	December 9, 2024	42.130	0.923	1.52%	2.33%
841.5	41.500	0.907	20.7℃	December 9, 2024	42.112	0.925	1.47%	1.98%
824.2	41.551	0.899	20.3℃	December 19, 2024	42.466	0.898	2.20%	-0.11%
836.6	41.500	0.902	20.3℃	December 19, 2024	42.425	0.903	2.23%	0.11%
848.8	41.500	0.915	20.3℃	December 19, 2024	42.402	0.907	2.17%	-0.87%
826.4	41.540	0.899	20.3℃	December 19, 2024	42.459	0.899	2.21%	0.00%

836.6	41.500	0.902	20.3℃	December 19, 2024	42.425	0.903	2.23%	0.11%
846.6	41.500	0.912	20.3℃	December 19, 2024	42.405	0.906	2.18%	-0.66%
831.5	41.516	0.900	20.5℃	December 24, 2024	43.049	0.900	3.69%	0.00%
836.5	41.500	0.902	20.5℃	December 24, 2024	43.035	0.902	3.70%	0.00%
841.5	41.500	0.907	20.5℃	December 24, 2024	43.019	0.904	3.66%	-0.33%
1720	40.127	1.354	20.4℃	December 16, 2024	39.194	1.306	-2.33%	-3.55%
1745	40.105	1.367	20.4℃	December 16, 2024	39.148	1.319	-2.39%	-3.51%
1770	40.060	1.382	20.4℃	December 16, 2024	39.111	1.332	-2.37%	-3.62%
1712.4	40.134	1.349	20.5℃	December 25, 2024	39.260	1.303	-2.18%	-3.41%
1732.6	40.116	1.361	20.5℃	December 25, 2024	39.219	1.314	-2.24%	-3.45%
1752.6	40.095	1.372	20.5℃	December 25, 2024	39.187	1.324	-2.26%	-3.50%
1720	40.127	1.354	20.3℃	January 15, 2025	38.685	1.300	-3.59%	-3.99%
1745	40.105	1.367	20.3℃	January 15, 2025	38.641	1.314	-3.65%	-3.88%
1770	40.060	1.382	20.3℃	January 15, 2025	38.605	1.326	-3.63%	-4.05%
1712.4	40.134	1.349	20.3℃	January 15, 2025	38.699	1.296	-3.58%	-3.93%
1732.6	40.116	1.361	20.3℃	January 15, 2025	38.662	1.307	-3.62%	-3.97%
1752.6	40.095	1.372	20.3℃	January 15, 2025	38.629	1.318	-3.66%	-3.94%
1860	40.000	1.400	20.5℃	December 17, 2024	39.030	1.383	-2.43%	-1.21%
1882.5	40.000	1.400	20.5℃	December 17, 2024	39.008	1.399	-2.48%	-0.07%
1905	40.000	1.400	20.5℃	December 17, 2024	38.978	1.414	-2.56%	1.00%
1850.2	40.000	1.400	20.5℃	December 26, 2024	39.082	1.378	-2.30%	-1.57%

1880	40.000	1.400	20.5℃	December 26, 2024	39.059	1.397	-2.35%	-0.21%
1909.8	40.000	1.400	20.5℃	December 26, 2024	39.019	1.418	-2.45%	1.29%
1852.4	40.000	1.400	20.5℃	December 26, 2024	39.082	1.379	-2.30%	-1.50%
1880	40.000	1.400	20.5℃	December 26, 2024	39.059	1.397	-2.35%	-0.21%
1907.6	40.000	1.400	20.5℃	December 26, 2024	39.023	1.416	-2.44%	1.14%
1850.2	40.000	1.400	20.4℃	January 14, 2025	38.535	1.370	-3.66%	-2.14%
1880	40.000	1.400	20.4℃	January 14, 2025	38.513	1.389	-3.72%	-0.79%
1909.8	40.000	1.400	20.4℃	January 14, 2025	38.475	1.409	-3.81%	0.64%
1852.4	40.000	1.400	20.4℃	January 14, 2025	38.534	1.372	-3.67%	-2.00%
1880	40.000	1.400	20.4℃	January 14, 2025	38.513	1.389	-3.72%	-0.79%
1907.6	40.000	1.400	20.4℃	January 14, 2025	38.478	1.409	-3.81%	0.64%
1860	40.000	1.400	20.4℃	January 14, 2025	38.529	1.377	-3.68%	-1.64%
1882.5	40.000	1.400	20.4℃	January 14, 2025	38.510	1.392	-3.73%	-0.57%
1905	40.000	1.400	20.4℃	January 14, 2025	38.483	1.406	-3.79%	0.43%
2310	39.480	1.679	20.3℃	December 27, 2024	40.489	1.738	2.56%	3.51%
2355	39.390	1.718	20.3℃	December 27, 2024	40.406	1.775	2.58%	3.32%
2412	39.276	1.767	20.2℃	January 2, 2025	40.333	1.821	2.69%	3.06%
2437	39.226	1.789	20.2℃	January 2, 2025	40.281	1.839	2.69%	2.79%
2462	39.184	1.813	20.2℃	January 2, 2025	40.230	1.858	2.67%	2.48%
2402	39.296	1.758	20.2℃	January 2, 2025	40.353	1.813	2.69%	3.13%
2441	39.218	1.792	20.2℃	January 2, 2025	40.273	1.842	2.69%	2.79%

2480	39.160	1.832	20.2℃	January 2, 2025	40.195	1.870	2.64%	2.07%
2510	39.120	1.864	20.2℃	January 3, 2025	40.142	1.894	2.61%	1.61%
2535	39.087	1.891	20.2℃	January 3, 2025	40.103	1.914	2.60%	1.22%
2560	39.053	1.917	20.2℃	January 3, 2025	40.069	1.933	2.60%	0.83%
2510	39.120	1.864	20.4℃	January 7, 2025	40.016	1.890	2.29%	1.39%
2549.5	39.067	1.906	20.4℃	January 7, 2025	39.957	1.922	2.28%	0.84%
2593	39.009	1.953	20.4℃	January 7, 2025	39.905	1.956	2.30%	0.15%
2636.5	38.954	2.000	20.4℃	January 7, 2025	39.847	1.992	2.29%	-0.40%
2680	38.900	2.048	20.4℃	January 7, 2025	39.776	2.030	2.25%	-0.88%
5180	36.020	4.639	20.4℃	January 8, 2025	35.807	4.694	-0.59%	1.19%
5200	36.000	4.660	20.4℃	January 8, 2025	35.765	4.715	-0.65%	1.18%
5240	35.960	4.700	20.4℃	January 8, 2025	35.686	4.763	-0.76%	1.34%
5260	35.940	4.720	20.4℃	January 8, 2025	35.642	4.787	-0.83%	1.42%
5280	35.920	4.740	20.4℃	January 8, 2025	35.599	4.811	-0.89%	1.50%
5320	35.880	4.780	20.4℃	January 8, 2025	35.526	4.857	-0.99%	1.61%
5500	35.650	4.965	20.5℃	January 13, 2025	35.179	5.061	-1.32%	1.93%
5580	35.530	5.049	20.5℃	January 13, 2025	35.025	5.156	-1.42%	2.12%
5700	35.400	5.170	20.5℃	January 13, 2025	34.792	5.304	-1.72%	2.59%
5745	35.355	5.215	20.5℃	January 13, 2025	34.692	5.355	-1.88%	2.68%
5785	35.315	5.255	20.5℃	January 13, 2025	34.621	5.401	-1.97%	2.78%
5825	35.275	5.296	20.5℃	January 13, 2025	34.554	5.449	-2.04%	2.89%

10 System Check

10.1 System Check

Each DASY system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the DASY software, enable the user to conduct the system performance check and system validation. System validation kit includes a dipole, tripod holder to fix it underneath the flat phantom and a corresponding distance holder.

10.2 System Setup

In the simplified setup for system evaluation, the DUT 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:

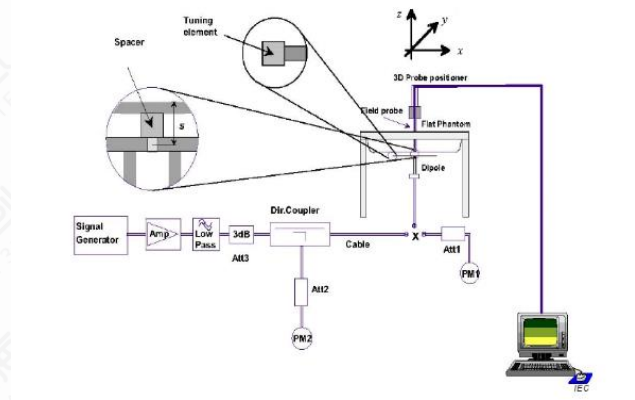


Figure 10.2-1 Set-up for the system check

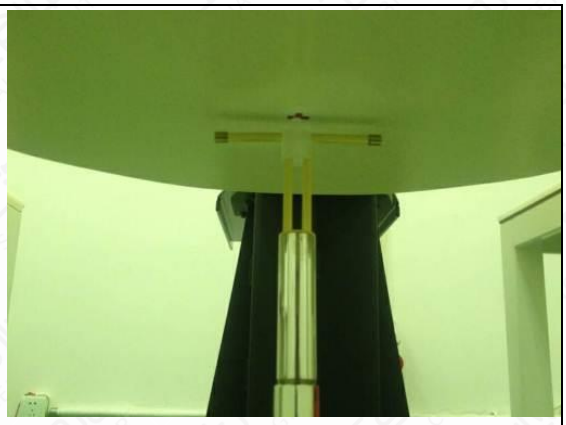


Figure 10.2-2. Setup for Dipole

10.3 System Check Result

Table 10.3-1: System Check Result of SAR

SAR System Check								
Frequency (MHz)	Target Value (w/kg)		Temperature	Date	Test Result (w/kg)		Deviation	
	10g	1g			10g	1g	10g	1g
750	5.76	8.42	21.3℃	December 6, 2024	5.64	8.64	-2.08%	2.61%
750	5.76	8.42	21.5℃	December 23, 2024	5.56	8.56	-3.47%	1.66%
835	6.40	9.68	21.6℃	December 9, 2024	6.36	9.84	-0.63%	1.65%
835	6.40	9.68	21.4℃	December 19, 2024	6.24	9.72	-2.50%	0.41%
835	6.40	9.68	21.3℃	December 24, 2024	6.28	9.68	-1.88%	0.00%
1750	19.80	36.30	21.3℃	December 16, 2024	19.96	37.64	0.81%	3.69%
1750	19.80	36.30	21.6℃	December 25, 2024	19.96	37.80	0.81%	4.13%
1750	19.80	36.30	21.4℃	January 15, 2025	19.92	37.72	0.61%	3.91%
1900	20.50	39.70	21.5℃	December 17, 2024	20.88	40.40	1.85%	1.76%
1900	20.50	39.70	21.6℃	December 26, 2024	21.16	41.20	3.22%	3.78%
1900	20.50	39.70	21.5℃	January 14, 2025	20.60	40.00	0.49%	0.76%
2300	23.90	49.10	21.4℃	December 27, 2024	23.28	49.20	-2.59%	0.20%
2450	24.60	52.60	21.3℃	January 2, 2025	25.44	54.80	3.41%	4.18%
2600	25.40	55.70	21.2℃	January 3, 2025	25.44	56.40	0.16%	1.26%
2600	25.40	55.70	21.3℃	January 7, 2025	25.28	56.40	-0.47%	1.26%
5200	22.40	77.50	21.3℃	January 8, 2025	23.20	80.50	3.57%	3.87%
5300	22.90	79.20	21.3℃	January 8, 2025	23.30	81.30	1.75%	2.65%
5600	24.00	83.10	21.5℃	January 13, 2025	24.10	84.50	0.42%	1.68%

5800	22.70	79.30	21.5℃	January 13, 2025	22.60	79.50	-0.44%	0.25%
NOTE: The system verifies that the measured input power level is equivalent to 250mW for 0.6GHz to 3GHz and above 3GHz is equivalent to 100mW, and the measured results are compared with the target value by converting to 1W.								

11 Measurement Procedures

11.1 Test Steps

According to the SAR test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

(a) Power reference measurement

The reference and drift jobs are useful for monitoring the power drift of the device under test in the batch process. Both jobs measure the electric field strength at a specified reference position, at a selectable distance from the phantom surface. The reference position can be either the selected section's grid reference point or a user point in this section. The reference job projects the selected point onto the phantom surface, orients the probe perpendicularly to the surface, and approaches the surface using the selected detection method.

(b) Area scan

The area scan is used as a fast scan in two dimensions to find the area of high field values, before doing a finer measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum locations even in relatively coarse grids. The scan area is defined by an editable grid. This grid is anchored at the grid reference point of the selected section in the phantom. When the area scan's property sheet is brought up, grid was at to 15mm * 15mm and can be edited by users.

(c) Zoom scan

Zoom scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1g and 10g of simulated tissue. The default zoom scan measures 5 * 5 * 7 points within a cube whose base faces are centered around the maximum found in a preceding area scan job within the same procedure. If the preceding Area Scan job indicates more than one maximum, the number of Zoom Scans has to be enlarged accordingly.

(d) Power drift measurement

The drift job measures the field at the same location as the most recent reference job within the same procedure, and with the same setting. The drift measurement gives the field difference in dB from the reading conducted within the last reference measurement. Several drift measurements are possible for one reference measurement. This allows a user to monitor the power drift of the device under within a batch process. In the properties of the drift job, the user can specify a limit for the drift and have DASY software stop the measurements if this limit is exceeded. This ensures that the power drift during one measurement is within 5%.

The SAR measurement procedures for each of test conditions are as follows:

(a) Make EUT to transmit it maximum output power

(b) Measure conducted output power through RF cable

(c) Place the EUT in the specific position of phantom

(d) Measure SAR results for Middle channel or the highest power channel on each testing position

(e) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg

(f) Record the SAR value

11.2 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the IEEE Std 1528 standard. It can be conducted for 1g and 10g.

The DASY system allows evaluations that combine measured data and robot positions, such as:

(a) Maximum Search

During a maximum search, global and local maximum searches are automatically performed in 2D after each Area Scan measurement with at least 6 measurement points. It is based on the evaluation of the local SAR gradient calculated by the Quadratic Shepard's method. The algorithm will find the global maximum and all local maxima within -2dB of the global maxima for all SAR distributions.

(b) Extrapolation

Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. Several measurements at different distances are necessary for the extrapolation.

Extrapolation routines require at least 10 measurement points in 3D space. They are used in the Cube Scan to obtain SAR values between the lowest measurement points and the inner phantom surface. The routine uses the modified Quadratic Shepard's method for extrapolation. For a grid using 5*5*5 measurement points with 5mm resolution amounting to 343 measurement points, the uncertainty of the extrapolation routines is less than 1% for 1g and 10 cubes.

(c) Boundary effect

For measurements in the immediate vicinity of a phantom surface, the field coupling effects between the probe and the boundary influence the probe characteristics. Boundary effect errors of different dosi-metric probe types have been analyzed by measurements and using a numerical probe model. As expected, both methods showed an enhanced sensitivity in the immediate vicinity of the boundary. The effect strongly depends on the probe dimensions and disappears with increasing distance from the boundary. The sensitivity can be approximately given as:

$$S \approx So + Sb * \exp\left(-\frac{z}{a}\right) * \cos\left(\pi\frac{z}{\lambda}\right)$$

Since the decay of the boundary effect dominates for small probe ($a \ll \lambda$), the cos-term can be omitted. Factors Sb (parameter Alpha in the DASY software) and a (parameter Delta in the DASY software) and assessed during probe calibration and used for numerical compensation of the boundary effect. Several simulations and measurements have confirmed that the compensation is valid for different field and boundary configurations.

This simple compensation procedure can largely reduce the probe uncertainty near boundaries. It works well as long as:

- The boundary curvature is small
- The probe axis is angled less than 30_to the boundary normal
- The distance between probe and boundary is larger than 25% of the probe diameter
- The probe is symmetric (all sensors have the same offset from the probe tip)

Since all of these requirements are fulfilled in a DASY system, the correction of the probe boundary effect in the vicinity of the phantom surface is performed in a fully automated manner via the

measurement data extraction during post processing.

11.3 General Measurement Procedure

The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements and fully documented in SAR reports to qualify for TCB approval. Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013. The results should be documented as part of the system validation records and may be requested to support test results when all the measurement parameters in the following table are not satisfied.

Table 11.3-1: Test Resolution Requirement

<table>
<tr><th colspan="3">Items</th><th>≤3GHz</th><th>>3GHz</th></tr>
<tr><td colspan="3">Maximum Distance</td><td>5mm ±1mm</td><td>$\frac{1}{2}*\delta*\ln(2)$ mm ±0.5mm</td></tr>
<tr><td colspan="3">Maximum probe angle</td><td>30±1°</td><td>20±1°</td></tr>
<tr><td colspan="3" rowspan="3">Maximum Area Scan spatial resolution:
Δx_{Area} , Δy_{Area}</td><td>≤2GHz: ≤15mm</td><td>3-4GHz: ≤12mm</td></tr>
<tr><td>2-3GHz: ≤12mm</td><td>4-6GHz: ≤10mm</td></tr>
<tr><td colspan="2">when the x or y dimension of the device , in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the device with at least one measurement point on the device</td></tr>
<tr><td colspan="3" rowspan="2">Maximum Zoom Scan spatial resolution:
Δx_{Zoom} , Δy_{Zoom}</td><td>≤2GHz: ≤8mm</td><td>3-4GHz: ≤5mm</td></tr>
<tr><td>2-3GHz: ≤5mm</td><td>4-6GHz: ≤4mm</td></tr>
<tr><td rowspan="3">maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2">uniform grid: $\Delta z_{Zoom}(n)$</td><td>≤5mm</td><td>3-4GHz: ≤4mm
4-5GHz: ≤3mm
5-6GHz: ≤2mm</td></tr>
<tr><td rowspan="2">graded grid</td><td>$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface</td><td>≤4mm</td><td>3-4GHz: ≤3mm
4-5GHz: ≤2.5mm
5-6GHz: ≤2mm</td></tr>
<tr><td>$\Delta z_{Zoom}(n>1)$ between subsequent points</td><td colspan="2">≤1.5*</td></tr>
<tr><td>minimum zoom scan volume</td><td colspan="2">x, y, z</td><td>≥30mm</td><td>3-4GHz: ≥28mm
4-5GHz: ≥25mm
5-6GHz: ≥22mm</td></tr>
</table>

Notes:
δ is the penetration depth of a plane-wave at normal incidence to the tissue medium in IEEE Std 1528-2013.
When Zoom Scan is required and reported SAR from the Area Scan based 1-g SAR estimation procedure of KDB publication 447498 is ≤1.4 W/kg, ≤8mm for 2GHz-3GHz, ≤7mm for 3GHz-4GHz, ≤5mm for 4GHz-6GHz Zoom Scan resolution may be applied.

11.4 GSM/GPRS Measurement Procedures

GSM/GPRS/EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. Other configurations of GSM/GPRS/EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is s $\leq \frac{1}{4}$dB higher than the primary mode, SAR measurement is not required for the secondary mode.

11.5 WCDMA Measurement Procedures

The following procedures are applicable to WCDMA handsets operating under 3GPP Release99, Release 5 and Release 6. The default test configuration is to measure SAR with an established radio link between the DUT and a communication test set using a 12.2kbps RMC (reference measurement channel) configured in Test Loop Mode 1. SAR is selectively confirmed for other physical channel configurations (DPCCH & DPDCH), HSDPA and HSPA (HSUPA/HSDPA) modes according to output power, exposure conditions and device operating capabilities. Both uplink and downlink should be configured with the same RMC or AMR, when required. SAR for Release 5 HSDPA and Release 6 HSPA are measured using the applicable FRC (fixed reference channel) and E-DCH reference channel configurations. Maximum output power is verified according to applicable versions of 3GPP TS 34.121 and SAR must be measured according to these maximum output conditions. When Maximum Power Reduction (MPR) is not implemented according to Cubic Metric (CM) requirements for Release 6 HSPA, the following procedures do not apply.

Table 11.5-1: HSDPA setting for Release 5

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	β_{hs}	CM (dB)	MPR (dB)
1	2/15	15/15	64	2/15	4/15	1.5	0.5
2	12/15	15/15	64	12/15	24/25	2.0	1
3	15/15	8/15	64	15/8	30/15	2.0	1
4	15/15	4/15	64	15/4	30/15	2.0	1

Table 11.5-2: HSUPA setting for Release 6

Sub-test	β_c	β_d	β_d (SF)	β_c / β_d	β_{hs}	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM (dB)	MPR (dB)	AG Index	E-TFCI

1	11/15	15/15	64	11/15	22/15	209/225	1039/225	4	1	2.0	1.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	12/15	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ed1}:47/15 β_{ed2}:47/15	4	2	3.0	2.0	15	92
4	2/15	15/15	64	2/15	4/15	4/15	56/75	4	1	2.0	1.0	17	71
5	15/15	15/15	64	15/15	24/15	30/15	134/15	4	1	2.0	1.0	21	81

11.6 LTE Measurement Procedure

SAR tests for LTE are performed with a base station simulator. Closed loop power control was used so the UE transmits with maximum output power during SAR testing.

(a) KDB 941225 D05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.

(b) 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.

(c) For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are $\leq$ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is $>$ 1.45 W/kg, the remaining required test channels must also be tested.

(d) 16QAM/64QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is $\leq$ 1.45 W/kg; 16QAM/64QAM SAR testing is not required.

(e) Smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is $\leq$ 1.45 W/kg; smaller bandwidth SAR testing is not required.

(f) For LTE Band 12/26 the maximum bandwidth does not support three non-overlapping channels, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

(g) LTE band 17/2/5/38/4 SAR test was covered by Band 12/25/26/41/66; according to TCB workshop, SAR test for overlapping LTE bands can be reduced if

- The maximum output power, including tolerance, for the smaller band is ≤ the larger band to qualify for the SAR test exclusion.
- The channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.

11.6.1 LTE Carrier Aggregation Conducted Power (Downlink)

Uplink maximum output power measurement with downlink carrier aggregation active should be measured, using the highest output channel measured without downlink carrier aggregation, to confirm that uplink maximum output power with downlink carrier aggregation active remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output measured without downlink carrier aggregation active.

11.6.2 LTE Carrier Aggregation Conducted Power (Uplink)

UL CA shall be tested based on the worst-case SAR configuration determined from non-CA SAR testing result. The channel BW, channel number, RB allocation, etc. would be selected to allow contiguous CA of PCC and SCC. Uplink output power for UL CA is the total power measured across the PCC and SCC.

UL CA power measurements were performed for each antennas at with QPSK modulation based on the worst-case standalone SAR.

The UL CA mode power measurements represent the total power across both carriers. Measurements were made for all supported PCC bandwidths using the channel/RB combination resulting in the highest standalone output power at the least MPR (0 dB). SCCs were set to use configurations similar to the PCC to establish conservative or worst case equivalent SAR test conditions (highest maximum power with MPR of 0 dB).

The standalone power measurement is the power for the PCC in the non-CA mode (i.e. single carrier power). In all cases the UL CA power is less than or equal to the standalone power.

11.6.3 LTE TDD Considerations

Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special sub-frame configuration 7.

Table 11.6.3-1 Calculated Duty Cycle for LTE TDD

Uplink-Downlink Configuration		**Sub-frame Number**										**Calculated**
Config	Periodicity	1	2	3	4	5	6	7	8	9	10	Duty Cycle (%)
0	5 ms	D	S	U	U	U	D	S	U	U	U	63.33
1	5 ms	D	S	U	U	D	D	S	U	U	D	43.33
2	5 ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10 ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10 ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10 ms	D	S	U	D	D	D	D	D	D	D	11.67

6	5 ms	D	S	U	U	U	D	S	U	U	D	53.33

Example for Calculated Duty Cycle for Uplink-Downlink Configuration 0:

Calculated Duty Cycle = (5120 × Ts × 2 + 6 ms) / 10ms = 63.33%

Where

Ts = 1/(15000 x 2048) seconds

11.7 Bluetooth & Wi-Fi Measurement Procedures

Normal network operating configurations are not suitable for measuring the SAR of IEEE 802.11 transmitters in general. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure that the results are consistent and reliable.

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in a test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters. The test frequencies should correspond to actual channel frequencies defined for domestic use. SAR for devices with switched diversity should be measured with only one antenna transmitting at a time during each SAR measurement, according to a fixed modulation and data rate. The same data pattern should be used for all measurements.

Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤1.2 W/kg.

Per KDB 248227 D01v02r02, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is ≤1.2 W/kg, SAR is not required for U-NII-1 band. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤1.2 W/kg or all required channels are tested.

11.8 Area Scan Based 1g SAR

According to the KDB447498 D01, a first class of fast SAR techniques is based on a modified measurement procedure and post processing algorithms. In practice, these methods require a special software, for example DASY52 form SPEAG.

When the implementation is based the specific polynomial fit algorithm as presented at the 29th Bio-electromagnetics Society meeting (2007) and the estimated 1-g SAR is ≤ 1.2 W/kg, a zoom scan measurement is not required provided it is also not needed for any other purpose; for example, if the peak SAR location required for simultaneous transmission SAR test exclusion can be determined accurately by the SAR system or manually to discriminate between distinctive peaks and scattered noisy SAR distributions from area scans.

There must not be any warning or alert messages due to various measurement concerns identified by the SAR system; for example, noise in measurements, peaks too close to scan boundary, peaks are too sharp, spatial resolution and uncertainty issues etc. When all the SAR results for each exposure condition in a frequency band and wireless mode are based on estimated 1-g SAR, the 1-g SAR for the highest SAR configuration must be determined by a zoom scan.

The approach is based on the area scan measurement applying a frequency dependent attenuation parameter. This attenuation parameter was empirically determined by analyzing a large number of phones. The MOTOROLA FAST SAR was developed and validated by the MOTOROLA Research Group in Ft. Lauderdale.

In the initial study, an approximation algorithm based on Linear fit was developed. The accuracy of the algorithm has been demonstrated across a broad frequency range (136-2450 MHz) and for both 1-g and 10-g averaged SAR using a sample of 264 SAR measurements from 55 wireless handsets. For the sample size studied, the root-mean-squared errors of the algorithm are 1.2% and 5.8% for 1- and 10-g averaged SAR, respectively. The paper describing the algorithm in detail is expected to be published in August 2004 within the Special Issue of Transactions on MTT.

In the second step, the same research group optimized the fitting algorithm to an Polynomial fit whereby the frequency validity was extended to cover the range 30MHz-6000MHz. Details of this study can be found in the BEMS 2007 Proceedings.

12 Simultaneous Transmission SAR Considerations

12.1 Reference Document

The following procedures adopted from “FCC SAR Considerations for Cell Phones with Multiple Transmitters” are applicable to handsets with built-in unlicensed transmitters such as IEEE 802.11 a/b/g/n/ac/ax and Bluetooth devices which may simultaneously transmit with the licensed transmitter.

12.2 Antenna Separation Distances

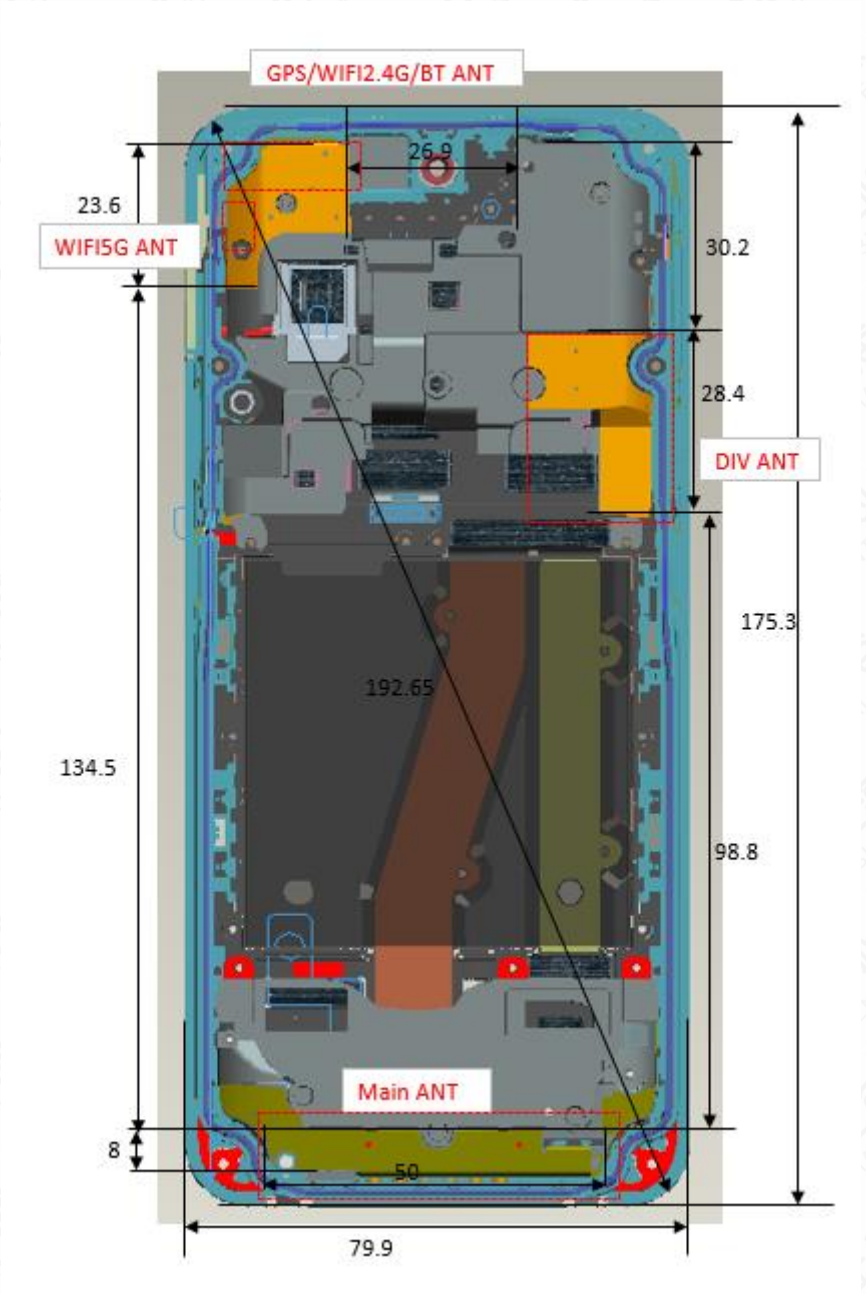


Figure 12.2-1 Antenna Locations (back view)

12.3 SAR Measurement Positions

The edges with less than 2.5 cm distance to the antennas need to be tested for SAR.

Table 12.3-1: SAR measurement Positions

Antenna	Mode	Front	Back	Left	Right	Top	Bottom
Main ANT	GSM/WCDMA/LTE	Yes	Yes	Yes	Yes	No	Yes
WIFI5G ANT	Wi-Fi 5G	Yes	Yes	No	Yes	Yes	No
GPS/WIFI2.4G/BT ANT	Wi-Fi 2.4G/BT	Yes	Yes	No	Yes	Yes	No

12.4 Low Power Transmitters SAR Consideration

Standalone 1-g head or body SAR evaluation by measurement or numerical simulation for low power transmitters is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

The 1-g SAR test exclusion threshold for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$\frac{(max.power\ of\ channel, including\ tune-up\ tolerance, mW)}{(min.test\ separation\ distance, mm)} \times \sqrt{Frequency(GHz)} \leq 3.0$$

Where:

- Frequency (GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

According to the KDB447498 appendix A, the SAR test exclusion threshold for 2450MHz at 5mm test separation distances is 10mW. That means the transmitters with tune-up power below 10mW are excluded for SAR measurement.

SAR test exclusion for NFC separation＜50mm=[474*(1+log(100/$f_{(MHz)}$))]/2=443 mW, the maximum tune up power of NFC is -26.50 dBm(0.002mW), NFC can be exempted.

For ISED, according to RSS 102 issue6 section 6.3 Table 11 Power limits for exemption from routine SAR evaluation based on the separation distance:

Frequency (MHz)	≤ 5 mm (mW)	10 mm (mW)	15 mm (mW)	20 mm (mW)	25 mm (mW)	30 mm (mW)	35 mm (mW)	40 mm (mW)	45 mm (mW)	> 50 mm (mW)
≤ 300	45	116	139	163	189	216	246	280	319	362
450	32	71	87	104	124	147	175	208	248	296
835	21	32	41	54	72	96	129	172	228	298
1900	6	10	18	33	57	92	138	194	257	323
2450	3	7	16	32	56	89	128	170	209	245
3500	2	6	15	29	50	72	94	114	134	158
5800	1	5	13	23	32	41	54	74	102	128

SAR test exclusion for NFC separation≤5mm is 45mW, the maximum tune up power of NFC is -26.50 dBm(0.002mW), NFC can be exempted.

12.5 Simultaneous Transmission Analysis

KDB 447498 D01 General RF Exposure Guidance introduces a new formula for calculating the SPLSR (SAR to Peak Location Ratio) between pairs of simultaneously transmitting antennas:

$$\mathrm{SPLSR} = \sqrt{(\mathrm{SAR1} + \mathrm{SAR2})^3}/\mathrm{Ri}$$

Where:

- SAR1 is the highest measured or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition.
- SAR2 is the highest measured or estimated SAR for the second of a pair of simultaneous transmitting antennas, in the same test operating mode and exposure condition as the first.
- Ri is the separation distance between the pair of simultaneous transmitting antennas. When the SAR is measured, for both antennas in the pair, it is determined by the actual x, y and z coordinates in the 1-g SAR for each SAR peak location , based on the extrapolated and interpolated result in the zoom scan measurement, using the formula of

$$(\mathrm{x1} - \mathrm{x2})^2 + (\mathrm{y1} - \mathrm{y2})^2 + (z1 - z2)^2$$

In order for a pair of simultaneous transmitting antennas with the sum of 1-g SAR > 1.6 W/kg to qualify for exemption from Simultaneous Transmission SAR measurements, it has to satisfy the condition of:

$$\sqrt{(\mathrm{SAR1} + \mathrm{SAR2})^3}/\mathrm{Ri} < 0.04$$

For ISED, simultaneous transmission testing may be exempted when the transmitters are considered to be spatially separated as follows:

SPLSR $\leqslant$ 0.02 for head, neck and trunk exposure conditions

SPLSR $\leqslant$ 0.013 for limb exposure conditions

12.6 Simultaneous Transmission Table

Table 12.6-1: Simultaneous Transmission Configurations

Items	Capable Transmit Configurations
1	GSM/GPRS/EDGE+BT
2	GSM/GPRS/EDGE+Wi-Fi 2.4G
3	GSM/GPRS/EDGE+Wi-Fi 5G
4	WCDMA+BT
5	WCDMA+Wi-Fi 2.4G
6	WCDMA+Wi-Fi 5G
7	LTE+BT
8	LTE+Wi-Fi 2.4G
9	LTE+Wi-Fi 5G
NOTE: For the DUT, the following combination that can transmit signal simultaneously.	

13 Conducted Output Power

13.1 Power Reduction Procedures

The device uses a proximity sensor to reduce the maximum output power of main transmitting antenna in selected wireless modes and operating configurations to ensure SAR compliance. The procedures in KDB 616217 are applied to determine proximity sensor triggering distances, and sensor coverage for normal and tilt positions.

The following tables summarize the key power reduction information of main transmitting antenna triggered by specific use conditions.

Table 13.1-1: Power reduction table

Band	Mode	Full power MAX.Tune up(dBm)	Sensor on MAX.Tune up(dBm)	Power Reduction(dB)
GSM850	CS	33.5	N/A	0.0
	GPRS 1TS	33.5	N/A	0.0
	GPRS 2TS	31.0	N/A	0.0
	GPRS 3TS	29.0	N/A	0.0
	GPRS 4TS	28.0	N/A	0.0
GSM1900	CS	30.5	29.0	1.5
	GPRS 1TS	30.5	29.0	1.5
	GPRS 2TS	28.0	27.0	1.0
	GPRS 3TS	26.0	24.5	1.5
	GPRS 4TS	25.0	22.5	2.5
WCDMA Band Ⅱ	RMC	24.5	20.5	4.0
WCDMA BandⅣ	RMC	24.5	18.5	6.0
WCDMA Band Ⅴ	RMC	24.5	N/A	0.0
LTE Band 2	QPSK	23.5	19.5	4.0
LTE Band 4	QPSK	23.5	18.5	5.0
LTE Band 5	QPSK	23.5	N/A	0.0
LTE Band 7	QPSK	23.5	21.0	2.5
LTE Band 12	QPSK	23.5	N/A	0.0
LTE Band 13	QPSK	23.5	N/A	0.0
LTE Band 14	QPSK	23.5	N/A	0.0
LTE Band 17	QPSK	23.5	N/A	0.0
LTE Band 25	QPSK	23.5	19.5	4.0
LTE Band 26	QPSK	23.5	N/A	0.0
LTE Band 30	QPSK	23.5	N/A	0.0
LTE Band 38	QPSK	23.5	N/A	0.0
LTE Band 40	QPSK	23.5	N/A	0.0
LTE Band 41	QPSK	23.5	N/A	0.0
LTE Band 66	QPSK	23.5	18.5	5.0
LTE Band 71	QPSK	23.5	N/A	0.0

WiFi 2.4G	802.11b	18.0	N/A	0.0
WiFi5G UNII-1	802.11a	16.0	N/A	0.0
WiFi5G UNII-2A	802.11a	16.0	N/A	0.0
WiFi5G UNII-2C	802.11a	15.5	N/A	0.0
WiFi5G UNII-3	802.11a	15.5	N/A	0.0
BT	DH5	11.0	N/A	0.0

13.2 GSM Measurement result

Table 13.2-1: The conducted power measurement results for GSM850

Full power											
GSM850			Maximum Conducted Power (dBm)								
Mode	Modulation	Time Slot	Tune up (dBm)	Measure Power(dBm)			Devision Factor (dB)	Tune up Max	Average Power(dBm)		
				128/824.2	190/836.6	251/848.8			128/824.2	190/836.6	251/848.8
GSM	GMSK	1 Tx	33.50	32.75	32.87	32.84	-9.03	24.47	23.72	23.84	23.81
GPRS	GMSK	1 Tx	33.50	32.79	32.88	32.86	-9.03	24.47	23.76	23.85	23.83
		2 Tx	31.00	30.21	30.34	30.38	-6.02	24.98	24.19	24.32	24.36
		3 Tx	29.00	28.61	28.76	28.83	-4.26	24.74	24.35	24.50	24.57
		4 Tx	28.00	26.91	27.12	27.15	-3.01	24.99	23.90	24.11	24.14
EGPRS	8PSK	1 Tx	28.50	27.81	27.84	27.88	-9.03	19.47	18.78	18.81	18.85
		2 Tx	25.50	24.80	24.84	24.96	-6.02	19.48	18.78	18.82	18.94
		3 Tx	23.50	23.02	23.10	23.06	-4.26	19.24	18.76	18.84	18.80
		4 Tx	22.00	21.29	21.37	21.27	-3.01	18.99	18.28	18.36	18.26

Table 13.2-2: The conducted power measurement results for PCS1900

Full power											
PCS1900			Maximum Conducted Power (dBm)								
Mode	Modulation	Time Slot	Tune up (dBm)	Measure Power(dBm)			Devision Factor (dB)	Tune up Max	Average Power(dBm)		
				512/1850.2	661/1880	810/1909.8			512/1850.2	661/1880	810/1909.8
GSM	GMSK	1 Tx	30.50	29.89	29.68	29.57	-9.03	21.47	20.86	20.65	20.54
GPRS	GMSK	1 Tx	30.50	29.88	29.66	29.58	-9.03	21.47	20.85	20.63	20.55
		2 Tx	28.00	27.46	27.29	27.22	-6.02	21.98	21.44	21.27	21.20
		3 Tx	26.00	25.83	25.74	25.72	-4.26	21.74	21.57	21.48	21.46
		4 Tx	25.00	24.29	24.21	24.19	-3.01	21.99	21.28	21.20	21.18
EGPRS	8PSK	1 Tx	27.00	26.46	26.61	26.75	-9.03	17.97	17.43	17.58	17.72
		2 Tx	24.50	23.39	23.64	23.86	-6.02	18.48	17.37	17.62	17.84
		3 Tx	22.50	21.57	21.78	22.02	-4.26	18.24	17.31	17.52	17.76
		4 Tx	20.50	19.59	19.73	20.07	-3.01	17.49	16.58	16.72	17.06

Sensor on											
PCS1900			Maximum Conducted Power (dBm)								
Mode	Modulation	Time Slot	Tune up (dBm)	Measure Power(dBm)			Devision Factor (dB)	Tune up Max	Average Power(dBm)		
				512/1850.2	661/1880	810/1909.8			512/1850.2	661/1880	810/1909.8
GSM	GMSK	1 Tx	29.00	28.54	28.32	28.25	-9.03	19.97	19.51	19.29	19.22
GPRS	GMSK	1 Tx	29.00	28.52	28.33	28.27	-9.03	19.97	19.49	19.30	19.24
		2 Tx	27.00	26.24	26.15	26.11	-6.02	20.98	20.22	20.13	20.09
		3 Tx	24.50	24.01	23.91	23.90	-4.26	20.24	19.75	19.65	19.64
		4 Tx	22.50	21.46	21.47	21.51	-3.01	19.49	18.45	18.46	18.50
EGPRS	8PSK	1 Tx	25.50	24.56	24.83	25.01	-9.03	16.47	15.53	15.80	15.98
		2 Tx	23.00	22.16	22.38	22.63	-6.02	16.98	16.14	16.36	16.61
		3 Tx	20.00	19.41	19.64	19.72	-4.26	15.74	15.15	15.38	15.46
		4 Tx	17.50	16.51	16.72	16.91	-3.01	14.49	13.50	13.71	13.90

NOTES:

1) Division Factors

To average the power, the division factor is as follows:

1TX-slot = 1 transmit time slot out of 8 time slots=> conducted power divided by (8/1) => -9.03dB

2TX-slots = 2 transmit time slots out of 8 time slots=> conducted power divided by (8/2) => -6.02dB

3TX-slots = 3 transmit time slots out of 8 time slots=> conducted power divided by (8/3) => -4.26dB

4TX-slots = 4 transmit time slots out of 8 time slots=> conducted power divided by (8/4) => -3.01dB

According to the conducted power as above, the body measurements are performed with 4Txslots for GSM850/PCS1900(Full power mode) and 2Txslots for PCS1900(Sensor on mode).

13.3 WCDMA Measurement result

Table 13.3-1: The conducted power for WCDMA Band Ⅱ

Full power					
WCDMA Band Ⅱ		Maximum Conducted Power (dBm)			
Mode	Test Mode	Tune up	Channel/Frequency(MHz)		
			9262/1852.4	9400/1880	9538/1907.6
WCDMA	RMC	24.50	23.92	23.71	23.79
HSDPA	Subtest1	24.00	23.48	23.05	23.39
	Subtest2	24.00	23.40	23.21	23.37
	Subtest3	23.50	22.94	22.67	22.87
	Subtest4	23.50	22.92	22.71	22.89
HSUPA	Subtest1	24.00	23.54	23.33	23.13
	Subtest2	23.00	22.54	22.17	22.19
	Subtest3	23.50	22.86	22.59	22.83
	Subtest4	23.00	22.36	22.07	22.19
	Subtest5	24.00	23.30	23.19	23.27
HSPA+	/	23.50	22.90	22.75	22.89
DC-HSDPA	Subtest1	24.00	23.40	23.13	23.31
	Subtest2	24.00	23.34	23.25	23.32
	Subtest3	23.50	22.82	22.84	22.71
	Subtest4	23.50	22.87	22.72	22.89

Sensor on					
WCDMA Band Ⅱ		Maximum Conducted Power (dBm)			
Mode	Test Mode	Tune up	Channel/Frequency(MHz)		
			9262/1852.4	9400/1880	9538/1907.6
WCDMA	RMC	20.50	19.92	19.72	19.83
HSDPA	Subtest1	20.00	19.67	19.51	19.54
	Subtest2	20.00	19.56	19.45	19.51
	Subtest3	20.00	19.51	19.42	19.47
	Subtest4	20.00	19.60	19.37	19.43
HSUPA	Subtest1	20.00	19.65	19.43	19.32
	Subtest2	20.00	19.59	19.35	19.48
	Subtest3	20.00	19.54	19.58	19.51
	Subtest4	20.00	19.51	19.47	19.58
	Subtest5	20.00	19.58	19.42	19.59
HSPA+	/	20.00	19.62	19.44	19.61
DC-HSDPA	Subtest1	20.00	19.44	19.51	19.42
	Subtest2	20.00	19.37	19.56	19.41
	Subtest3	20.00	19.56	19.51	19.44
	Subtest4	20.00	19.43	19.41	19.34

Table 13.3-2: The conducted power for WCDMA Band Ⅳ

Full power					
WCDMA BandⅣ		Maximum Conducted Power (dBm)			
Mode	Test Mode	Tune up	Channel/Frequency(MHz)		
			1312/1712.4	1413/1732.6	1513/1752.6
WCDMA	RMC	24.50	23.39	23.98	23.58
HSDPA	Subtest1	24.00	22.85	23.46	23.13
	Subtest2	24.00	22.91	23.50	23.04
	Subtest3	23.50	22.27	23.10	22.60
	Subtest4	23.50	22.43	23.14	22.62
HSUPA	Subtest1	24.00	23.03	23.44	23.18
	Subtest2	23.00	21.93	22.52	21.92
	Subtest3	23.50	22.31	23.10	22.68
	Subtest4	23.00	21.87	22.54	22.18
	Subtest5	24.00	22.87	23.52	23.04
HSPA+	/	23.50	22.41	23.02	22.65
DC-HSDPA	Subtest1	24.00	22.87	23.13	23.09
	Subtest2	24.00	22.98	23.45	23.01
	Subtest3	23.50	22.34	22.98	22.61
	Subtest4	23.50	22.37	23.02	22.67

Sensor on					
WCDMA BandⅣ		Maximum Conducted Power (dBm)			
Mode	Test Mode	Tune up	Channel/Frequency(MHz)		
			1312/1712.4	1413/1732.6	1513/1752.6
WCDMA	RMC	18.50	17.90	18.43	17.97
HSDPA	Subtest1	18.00	17.65	17.62	17.60
	Subtest2	18.00	17.61	17.59	17.51
	Subtest3	18.00	17.56	17.50	17.47
	Subtest4	18.00	17.55	17.51	17.42
HSUPA	Subtest1	18.00	17.52	17.49	17.45
	Subtest2	18.00	17.57	17.61	17.60
	Subtest3	18.00	17.45	17.36	17.54
	Subtest4	18.00	17.39	17.48	17.37
	Subtest5	18.00	17.51	17.55	17.51
HSPA+	/	18.00	17.47	17.49	17.42
DC-HSDPA	Subtest1	18.00	17.44	17.47	17.44
	Subtest2	18.00	17.50	17.53	17.39
	Subtest3	18.00	17.56	17.60	17.41
	Subtest4	18.00	17.39	17.42	17.40

Table 13.3-3: The conducted power for WCDMA Band Ⅴ

Full power					
WCDMA Band Ⅴ		Maximum Conducted Power (dBm)			
Mode	Test Mode	Tune up	Channel/Frequency(MHz)		
			4132/826.4	4183/836.6	4233/846.6
WCDMA	RMC	24.50	23.71	23.69	23.73
HSDPA	Subtest1	24.00	23.11	23.19	23.11
	Subtest2	24.00	23.17	23.03	23.17
	Subtest3	23.50	22.73	22.83	22.69
	Subtest4	23.50	22.87	22.65	22.87
HSUPA	Subtest1	24.00	23.19	23.07	23.17
	Subtest2	23.00	22.15	22.27	22.17
	Subtest3	23.50	22.59	22.63	22.61
	Subtest4	23.00	22.37	22.25	22.25
	Subtest5	24.00	23.29	23.29	23.15
HSPA+	/	23.50	22.71	22.78	22.56
DC-HSDPA	Subtest1	24.00	23.01	23.11	23.24
	Subtest2	24.00	23.10	23.14	23.16
	Subtest3	23.50	22.62	22.54	22.81
	Subtest4	23.50	22.78	22.68	22.76

13.4 LTE Measurement result

Table 13.4-1: The conducted power for LTE Band 2

Full power						
LTE B2			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				18607/1850.7	18900/1880	19193/1909.3
QPSK	1	Low	23.50	22.01	22.11	22.02
		Middle		21.75	21.88	21.89
		High		21.71	21.67	21.77
	50%	Low	23.50	21.73	21.72	21.66
		Middle		21.71	21.81	21.81
		High		21.63	21.80	21.77
	100%	/	22.50	20.70	20.93	20.86
16QAM	1	Low	22.50	20.96	21.08	20.95
		Middle		20.98	21.14	21.13
		High		21.07	21.05	21.08
	50%	Low	22.50	20.77	20.52	20.71
		Middle		20.91	20.67	20.69
		High		20.83	20.66	20.71
	100%	/	21.50	19.79	19.57	19.65
64QAM	1	Low	21.50	19.87	19.87	19.85
		Middle		19.86	20.03	19.85
		High		19.65	19.74	19.68
	5	Low	21.50	19.66	19.81	19.63
		Middle		19.68	19.73	19.56
		High		19.74	20.00	19.72
	100%	/	20.50	18.88	18.92	18.81
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				18615/1851.5	18900/1880	19185/1908.5
QPSK	1	Low	23.50	22.03	22.02	22.03
		Middle		21.71	21.86	21.94
		High		21.68	21.67	21.79
	50%	Low	22.50	20.79	20.94	20.61
		Middle		20.89	21.05	20.86
		High		20.93	20.85	20.80
	100%	/	22.50	20.83	20.81	20.73
16QAM	1	Low	22.50	21.20	21.10	20.80
		Middle		21.19	21.26	20.97
		High		21.05	21.07	21.05

	50%	Low	21.50	19.80	19.72	19.77
		Middle		19.87	20.02	19.78
		High		19.82	20.00	19.89
	100%	/	21.50	19.73	19.73	19.87
64QAM	1	Low	21.50	19.78	19.89	20.00
		Middle		19.83	19.90	20.03
		High		19.85	19.77	19.84
	50%	Low	20.50	18.93	18.84	18.90
		Middle		18.99	18.80	18.88
		High		19.02	19.00	19.01
	100%	/	20.50	18.95	18.92	18.94
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				18625/1852.5	18900/1880	19175/1907.5
QPSK	1	Low	23.50	21.93	22.04	22.11
		Middle		21.76	21.91	21.93
		High		21.79	21.72	21.57
	50%	Low	22.50	20.86	20.89	20.67
		Middle		20.95	21.02	20.79
		High		20.83	20.87	20.93
	100%	/	22.50	20.70	20.82	20.77
16QAM	1	Low	22.50	20.96	21.00	20.85
		Middle		20.98	21.10	21.12
		High		20.98	20.97	21.09
	50%	Low	21.50	19.72	19.70	19.80
		Middle		19.96	19.79	19.77
		High		19.91	19.93	19.78
	100%	/	21.50	19.93	19.69	19.67
64QAM	1	Low	21.50	19.87	19.89	19.68
		Middle		19.92	20.01	19.88
		High		19.86	19.87	19.68
	50%	Low	20.50	18.91	18.92	18.79
		Middle		18.96	18.87	18.72
		High		18.99	19.07	18.85
	100%	/	20.50	18.93	19.00	18.77
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				18650/1855	18900/1880	19150/1905
QPSK	1	Low	23.50	22.04	22.03	22.04
		Middle		21.68	21.88	21.93
		High		21.57	21.68	21.74
	50%	Low	22.50	20.67	20.76	20.69

		Middle		20.86	20.84	20.75
		High		20.69	20.83	20.86
	100%	/	22.50	20.86	20.98	20.61
16QAM	1	Low	22.50	21.06	20.97	20.81
		Middle		21.19	21.08	20.97
		High		21.07	21.07	20.94
	50%	Low	21.50	19.93	19.84	19.64
		Middle		20.01	19.87	19.74
		High		19.82	19.82	19.86
	100%	/	21.50	19.64	19.68	19.75
64QAM	1	Low	21.50	19.77	19.88	19.99
		Middle		19.83	19.89	20.03
		High		19.73	19.77	19.83
	50%	Low	20.50	18.94	18.85	18.91
		Middle		18.98	18.79	18.87
		High		19.02	19.00	19.01
	100%	/	20.50	18.96	18.93	18.93
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				18675/1857.5	18900/1880	19125/1902.5
QPSK	1	Low	23.50	22.01	22.12	22.06
		Middle		21.74	21.89	21.96
		High		21.72	21.73	21.77
	50%	Low	22.50	20.81	20.77	20.72
		Middle		20.83	21.02	20.91
		High		20.72	20.86	20.94
	100%	/	22.50	20.72	20.82	20.73
16QAM	1	Low	22.50	21.03	20.95	21.09
		Middle		21.17	21.09	21.19
		High		21.14	21.05	21.10
	50%	Low	21.50	19.90	19.61	19.85
		Middle		19.99	19.88	19.89
		High		19.92	19.96	19.85
	100%	/	21.50	19.83	19.81	19.73
64QAM	1	Low	21.50	19.84	19.98	19.85
		Middle		19.91	20.03	19.89
		High		19.74	19.88	19.72
	50%	Low	20.50	18.81	19.01	18.80
		Middle		18.84	18.88	18.74
		High		18.94	19.08	18.90
	100%	/	20.50	18.68	18.82	18.75
Modulation	RB	RB Offset	Tune up	20MHz		

				Channel/Frequency(MHz)		
				18700/1860	18900/1880	19100/1900
QPSK	1	Low	23.50	22.08	22.11	22.09
		Middle		21.83	21.93	21.98
		High		21.74	21.74	21.83
	50%	Low	22.50	20.84	20.85	20.76
		Middle		20.93	20.98	20.94
		High		20.87	20.91	20.90
	100%	/	22.50	20.81	20.89	20.82
16QAM	1	Low	22.50	21.02	21.03	21.00
		Middle		21.13	21.23	21.15
		High		21.12	21.14	21.11
	50%	Low	21.50	19.87	19.77	19.82
		Middle		19.92	19.94	19.81
		High		19.89	19.91	19.93
	100%	/	21.50	19.81	19.77	19.82
64QAM	1	Low	21.50	19.82	19.94	19.92
		Middle		19.89	19.96	19.97
		High		19.80	19.82	19.78
	50%	Low	20.50	18.88	18.91	18.85
		Middle		18.92	18.84	18.80
		High		18.97	19.03	18.94
	100%	/	20.50	18.91	18.96	18.86

Sensor on

LTE B2			**Maximum Conducted Power (dBm)**			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				18607/1850.7	18900/1880	19193/1909.3
QPSK	1	Low	19.50	18.26	18.15	18.38
		Middle		18.11	18.27	18.24
		High		18.12	17.90	18.02
	50%	Low	19.50	18.36	17.98	18.14
		Middle		18.28	18.51	18.36
		High		18.43	18.27	18.57
	100%	/	19.50	18.27	18.16	18.19
16QAM	1	Low	19.50	18.26	18.44	18.24
		Middle		18.28	18.16	18.20
		High		18.24	18.27	18.02
	50%	Low	19.50	18.29	18.06	18.08
		Middle		18.44	18.38	18.16
		High		18.30	18.35	18.27
	100%	/	19.50	18.20	18.20	18.12

64QAM	1	Low	19.50	18.09	18.34	18.23
		Middle		18.03	18.35	18.26
		High		18.08	18.28	18.30
	5	Low	19.50	18.16	18.25	18.25
		Middle		18.11	18.19	18.19
		High		18.09	18.11	18.04
	100%	/	19.50	17.97	17.88	17.95
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				18615/1851.5	18900/1880	19185/1908.5
QPSK	1	Low	19.50	18.33	18.19	18.41
		Middle		18.31	18.51	18.46
		High		18.25	18.11	18.28
	50%	Low	19.50	18.41	18.17	18.29
		Middle		18.28	18.49	18.41
		High		18.37	18.23	18.44
	100%	/	19.50	18.15	18.14	18.19
16QAM	1	Low	19.50	18.16	18.31	18.06
		Middle		18.15	18.18	18.16
		High		18.13	18.24	18.00
	50%	Low	19.50	18.17	18.10	18.05
		Middle		18.37	18.41	18.22
		High		18.27	18.30	18.23
	100%	/	19.50	18.29	18.27	18.20
64QAM	1	Low	19.50	18.27	18.41	18.29
		Middle		18.21	18.30	18.24
		High		18.22	18.24	18.26
	50%	Low	19.50	18.31	18.17	18.20
		Middle		18.27	18.26	18.24
		High		18.20	18.17	18.19
	100%	/	19.50	18.28	18.13	18.17
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				18625/1852.5	18900/1880	19175/1907.5
QPSK	1	Low	19.50	18.23	18.21	18.49
		Middle		18.36	18.56	18.45
		High		18.27	18.07	18.09
	50%	Low	19.50	18.48	18.12	18.35
		Middle		18.34	18.46	18.34
		High		18.36	18.34	18.54
	100%	/	19.50	18.23	18.24	18.20
16QAM	1	Low	19.50	18.04	18.21	17.99

		Middle		18.06	18.14	18.19
		High		18.06	18.26	18.04
	50%	Low	19.50	18.09	18.20	18.08
		Middle		18.34	18.30	18.21
		High		18.24	18.35	18.24
	100%	/	19.50	18.37	18.23	18.12
64QAM	1	Low	19.50	18.24	18.41	18.09
		Middle		18.18	18.38	18.30
		High		18.23	18.31	18.31
	50%	Low	19.50	18.29	18.22	18.30
		Middle		18.24	18.30	18.29
		High		18.17	18.21	18.24
	100%	/	19.50	18.26	18.18	18.21
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				18650/1855	18900/1880	19150/1905
QPSK	1	Low	19.50	18.34	18.20	18.42
		Middle		18.40	18.53	18.45
		High		18.26	18.12	18.23
	50%	Low	19.50	18.50	18.08	18.34
		Middle		18.46	18.37	18.39
		High		18.25	18.21	18.50
	100%	/	19.50	18.18	18.31	18.07
16QAM	1	Low	19.50	18.02	18.18	18.07
		Middle		18.15	18.00	18.16
		High		18.03	18.24	18.01
	50%	Low	19.50	18.18	18.22	18.04
		Middle		18.30	18.17	18.09
		High		18.18	18.03	18.11
	100%	/	19.50	18.11	18.01	17.99
64QAM	1	Low	19.50	18.26	18.40	18.28
		Middle		18.21	18.38	18.33
		High		18.13	18.24	18.25
	50%	Low	19.50	18.23	18.18	18.21
		Middle		18.17	18.25	18.23
		High		18.11	18.17	18.19
	100%	/	19.50	18.29	18.23	18.25
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				18675/1857.5	18900/1880	19125/1902.5
QPSK	1	Low	19.50	18.38	18.28	18.47
		Middle		18.43	18.58	18.50

		High		18.31	18.18	18.32
	50%	Low	19.50	18.46	18.08	18.32
		Middle		18.32	18.42	18.37
		High		18.31	18.29	18.42
	100%	/	19.50	18.13	18.22	18.16
16QAM	1	Low	19.50	18.12	18.24	18.14
		Middle		18.09	18.15	18.22
		High		18.17	18.40	18.15
	50%	Low	19.50	18.21	18.24	18.19
		Middle		18.30	18.33	18.25
		High		18.22	18.21	18.27
	100%	/	19.50	18.25	18.19	18.15
64QAM	1	Low	19.50	18.10	18.25	18.12
		Middle		18.06	18.24	18.18
		High		18.08	18.17	18.20
	50%	Low	19.50	18.17	18.12	18.15
		Middle		18.11	18.18	18.16
		High		18.06	18.08	18.12
	100%	/	19.50	18.24	18.14	18.18
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				18700/1860	18900/1880	19100/1900
QPSK	1	Low	19.50	18.38	18.28	18.47
		Middle		18.43	**18.58**	18.50
		High		18.31	18.18	18.32
	50%	Low	19.50	**18.55**	18.17	18.41
		Middle		18.41	18.51	18.46
		High		18.40	18.38	18.51
	100%	/	19.50	18.22	**18.31**	18.25
16QAM	1	Low	19.50	18.21	18.33	18.23
		Middle		18.18	18.24	18.31
		High		18.17	18.40	18.15
	50%	Low	19.50	18.21	18.24	18.19
		Middle		18.30	18.33	18.25
		High		18.22	18.21	18.27
	100%	/	19.50	18.25	18.19	18.15
64QAM	1	Low	19.50	18.19	18.34	18.21
		Middle		18.15	18.33	18.27
		High		18.17	18.26	18.29
	50%	Low	19.50	18.26	18.21	18.24
		Middle		18.20	18.27	18.25
		High		18.15	18.17	18.21

	100%	/	19.50	18.24	18.14	18.18

Table 13.4-2: The conducted power for LTE Band 4

Full power						
LTE B4			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				19957/1710.7	20175/1732.5	20393/1754.3
QPSK	1	Low	23.50	22.18	22.40	22.35
		Middle		22.32	22.34	22.32
		High		22.12	22.07	22.11
	50%	Low	23.50	22.22	22.16	22.21
		Middle		22.32	22.23	22.31
		High		22.15	22.22	22.26
	100%	/	22.50	21.29	21.31	21.35
16QAM	1	Low	22.50	21.12	21.43	21.36
		Middle		21.14	21.37	21.40
		High		21.16	21.33	21.16
	50%	Low	22.50	21.15	21.22	21.02
		Middle		21.30	21.22	21.05
		High		21.15	21.20	21.11
	100%	/	21.50	20.20	20.23	20.10
64QAM	1	Low	21.50	20.17	20.06	20.10
		Middle		20.13	20.13	20.13
		High		20.05	19.86	20.05
	50%	Low	21.50	19.92	19.80	19.74
		Middle		19.79	19.84	19.87
		High		19.96	19.93	19.81
	100%	/	20.50	19.00	18.89	18.92
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				19965/1711.5	20175/1732.5	20385/1753.5
QPSK	1	Low	23.50	22.20	22.28	22.17
		Middle		22.28	22.40	22.29
		High		22.09	22.15	22.05
	50%	Low	22.50	21.28	21.46	21.20
		Middle		21.38	21.55	21.40
		High		21.41	21.35	21.33
	100%	/	22.50	21.38	21.27	21.26
16QAM	1	Low	22.50	21.32	21.53	21.33
		Middle		21.31	21.37	21.36

		High		21.34	21.15	21.21
	50%	Low	21.50	20.38	20.22	20.16
		Middle		20.38	20.37	20.22
		High		20.26	20.34	20.25
	100%	/	21.50	20.26	20.39	20.28
64QAM	1	Low	21.50	20.20	20.08	20.21
		Middle		20.22	20.20	20.27
		High		20.05	20.09	20.17
	50%	Low	20.50	18.99	19.03	18.97
		Middle		18.90	19.11	19.07
		High		19.04	19.13	18.98
	100%	/	20.50	19.07	19.09	19.05
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				19975/1712.5	20175/1732.5	20375/1752.5
QPSK	1	Low	23.50	22.10	22.30	22.33
		Middle		22.33	22.45	22.36
		High		22.20	22.20	22.03
	50%	Low	22.50	21.35	21.33	21.26
		Middle		21.44	21.44	21.33
		High		21.31	21.29	21.34
	100%	/	22.50	21.29	21.20	21.18
16QAM	1	Low	22.50	21.12	21.35	21.18
		Middle		21.14	21.25	21.31
		High		21.19	21.25	21.17
	50%	Low	21.50	20.22	20.40	20.11
		Middle		20.27	20.34	20.13
		High		20.23	20.47	20.18
	100%	/	21.50	20.34	20.35	20.12
64QAM	1	Low	21.50	20.17	20.08	19.93
		Middle		20.19	20.19	20.16
		High		20.06	20.07	20.05
	50%	Low	20.50	18.97	18.99	18.98
		Middle		18.87	19.06	19.03
		High		19.01	19.08	18.94
	100%	/	20.50	18.97	19.05	19.00
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				20000/1715	20175/1732.5	20350/1750
QPSK	1	Low	23.50	22.21	22.29	22.26
		Middle		22.37	22.42	22.36
		High		22.10	22.16	22.08

	50%	Low	22.50	21.28	21.28	21.24
		Middle		21.47	21.34	21.37
		High		21.29	21.33	21.47
	100%	/	22.50	21.41	21.44	21.22
16QAM	1	Low	22.50	21.18	21.40	21.34
		Middle		21.31	21.19	21.36
		High		21.16	21.15	21.14
	50%	Low	21.50	20.31	20.34	20.07
		Middle		20.32	20.22	20.10
		High		20.18	20.16	20.14
	100%	/	21.50	20.09	20.14	20.08
64QAM	1	Low	21.50	20.11	19.99	20.12
		Middle		20.22	20.19	20.27
		High		20.13	20.09	20.16
	50%	Low	20.50	19.08	19.04	18.98
		Middle		18.89	19.02	18.98
		High		19.04	19.05	18.90
	100%	/	20.50	19.00	19.02	18.91
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				20025/1717.5	20175/1732.5	20325/1747.5
QPSK	1	Low	23.50	22.18	22.33	22.28
		Middle		22.23	22.35	22.39
		High		22.05	22.13	22.11
	50%	Low	22.50	21.22	21.21	21.27
		Middle		21.36	21.44	21.41
		High		21.24	21.28	21.43
	100%	/	22.50	21.31	21.20	21.22
16QAM	1	Low	22.50	21.19	21.42	21.50
		Middle		21.21	21.24	21.46
		High		21.31	21.33	21.21
	50%	Low	21.50	20.36	20.31	20.16
		Middle		20.38	20.43	20.20
		High		20.24	20.38	20.25
	100%	/	21.50	20.24	20.35	20.18
64QAM	1	Low	21.50	20.14	20.05	20.10
		Middle		20.18	20.21	20.17
		High		20.06	20.08	20.09
	50%	Low	20.50	18.99	19.08	18.91
		Middle		18.87	19.07	18.97
		High		19.08	19.09	18.87
	100%	/	20.50	18.84	18.87	18.98

Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				20050/1720	20175/1732.5	20300/1745
QPSK	1	Low	23.50	22.25	22.37	22.31
		Middle		22.40	22.47	22.41
		High		22.15	22.22	22.17
	50%	Low	22.50	21.33	21.37	21.31
		Middle		21.42	21.48	21.44
		High		21.35	21.41	21.39
	100%	/	22.50	21.36	21.35	21.31
16QAM	1	Low	22.50	21.37	21.46	21.41
		Middle		21.25	21.34	21.42
		High		21.29	21.30	21.27
	50%	Low	21.50	20.33	20.35	20.21
		Middle		20.31	20.37	20.25
		High		20.21	20.33	20.29
	100%	/	21.50	20.22	20.31	20.23
64QAM	1	Low	21.50	20.12	20.01	20.13
		Middle		20.16	20.14	20.21
		High		20.08	20.02	20.11
	50%	Low	20.50	19.02	18.98	18.92
		Middle		18.91	19.03	18.99
		High		19.07	19.04	18.91
	100%	/	20.50	19.03	19.01	18.97
Sensor on						
LTE B4			**Maximum Conducted Power (dBm)**			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				19957/1710.7	20175/1732.5	20393/1754.3
QPSK	1	Low	18.50	17.62	17.47	17.49
		Middle		17.49	17.56	17.51
		High		17.44	17.34	17.35
	50%	Low	18.50	17.37	17.59	17.41
		Middle		17.61	17.70	17.65
		High		17.45	17.50	17.58
	100%	/	18.50	17.53	17.57	17.44
16QAM	1	Low	18.50	17.34	17.48	17.26
		Middle		17.47	17.39	17.43
		High		17.55	17.42	17.46
	50%	Low	18.50	17.72	17.65	17.46
		Middle		17.72	17.66	17.51
		High		17.61	17.62	17.45

	100%	/	18.50	17.43	17.53	17.54
64QAM	1	Low	18.50	17.38	17.42	17.48
		Middle		17.53	17.49	17.47
		High		17.46	17.43	17.48
	5	Low	18.50	17.45	17.52	17.58
		Middle		17.44	17.57	17.54
		High		17.52	17.63	17.62
	100%	/	18.50	17.47	17.57	17.57
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				19965/1711.5	20175/1732.5	20385/1753.5
QPSK	1	Low	18.50	17.66	17.55	17.54
		Middle		17.58	17.61	17.56
		High		17.55	17.40	17.44
	50%	Low	18.50	17.53	17.68	17.48
		Middle		17.56	17.73	17.61
		High		17.62	17.58	17.50
	100%	/	18.50	17.59	17.59	17.64
16QAM	1	Low	18.50	17.53	17.60	17.44
		Middle		17.57	17.65	17.60
		High		17.71	17.60	17.62
	50%	Low	18.50	17.55	17.58	17.52
		Middle		17.52	17.73	17.52
		High		17.45	17.71	17.46
	100%	/	18.50	17.48	17.73	17.61
64QAM	1	Low	18.50	17.31	17.47	17.41
		Middle		17.47	17.60	17.41
		High		17.52	17.52	17.54
	50%	Low	18.50	17.39	17.35	17.52
		Middle		17.38	17.39	17.47
		High		17.47	17.43	17.55
	100%	/	18.50	17.42	17.37	17.50
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				19975/1712.5	20175/1732.5	20375/1752.5
QPSK	1	Low	18.50	17.56	17.57	17.62
		Middle		17.57	17.66	17.66
		High		17.60	17.45	17.45
	50%	Low	18.50	17.60	17.74	17.60
		Middle		17.62	17.56	17.60
		High		17.52	17.71	17.46
	100%	/	18.50	17.58	17.60	17.40

16QAM	1	Low	18.50	17.41	17.55	17.21
		Middle		17.32	17.66	17.47
		High		17.53	17.67	17.55
	50%	Low	18.50	17.47	17.73	17.55
		Middle		17.49	17.67	17.62
		High		17.53	17.65	17.58
	100%	/	18.50	17.67	17.58	17.69
64QAM	1	Low	18.50	17.39	17.36	17.37
		Middle		17.55	17.43	17.54
		High		17.42	17.34	17.44
	50%	Low	18.50	17.26	17.37	17.47
		Middle		17.24	17.40	17.37
		High		17.33	17.49	17.40
	100%	/	18.50	17.40	17.44	17.34
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				20000/1715	20175/1732.5	20350/1750
QPSK	1	Low	18.50	17.67	17.56	17.55
		Middle		17.61	17.63	17.55
		High		17.50	17.36	17.39
	50%	Low	18.50	17.58	17.56	17.55
		Middle		17.70	17.58	17.61
		High		17.55	17.62	17.67
	100%	/	18.50	17.67	17.71	17.52
16QAM	1	Low	18.50	17.33	17.36	17.34
		Middle		17.46	17.36	17.49
		High		17.50	17.49	17.52
	50%	Low	18.50	17.67	17.75	17.46
		Middle		17.60	17.63	17.54
		High		17.51	17.58	17.49
	100%	/	18.50	17.45	17.61	17.60
64QAM	1	Low	18.50	17.25	17.40	17.40
		Middle		17.42	17.48	17.41
		High		17.47	17.52	17.53
	50%	Low	18.50	17.35	17.47	17.58
		Middle		17.32	17.49	17.51
		High		17.42	17.54	17.55
	100%	/	18.50	17.38	17.49	17.49
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				20025/1717.5	20175/1732.5	20325/1747.5
QPSK	1	Low	18.50	17.64	17.60	17.57

		Middle		17.55	17.64	17.58
		High		17.53	17.46	17.42
	50%	Low	18.50	17.49	17.51	17.47
		Middle		17.67	17.64	17.65
		High		17.58	17.70	17.63
	100%	/	18.50	17.65	17.60	17.52
16QAM	1	Low	18.50	17.42	17.51	17.50
		Middle		17.44	17.54	17.59
		High		17.57	17.64	17.59
	50%	Low	18.50	17.53	17.53	17.49
		Middle		17.63	17.76	17.69
		High		17.49	17.67	17.60
	100%	/	18.50	17.52	17.69	17.70
64QAM	1	Low	18.50	17.31	17.44	17.49
		Middle		17.49	17.56	17.50
		High		17.48	17.46	17.54
	50%	Low	18.50	17.34	17.46	17.54
		Middle		17.30	17.41	17.45
		High		17.51	17.50	17.39
	100%	/	18.50	17.27	17.26	17.26
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				20050/1720	20175/1732.5	20300/1745
QPSK	1	Low	18.50	17.71	17.64	17.60
		Middle		17.75	17.79	17.71
		High		17.66	17.58	17.59
	50%	Low	18.50	17.63	17.70	17.62
		Middle		17.65	17.77	17.68
		High		17.61	17.75	17.59
	100%	/	18.50	17.62	17.67	17.61
16QAM	1	Low	18.50	17.52	17.58	17.52
		Middle		17.51	17.67	17.66
		High		17.66	17.72	17.68
	50%	Low	18.50	17.61	17.68	17.57
		Middle		17.56	17.70	17.66
		High		17.51	17.67	17.61
	100%	/	18.50	17.55	17.70	17.72
64QAM	1	Low	18.50	17.34	17.45	17.49
		Middle		17.52	17.54	17.51
		High		17.47	17.45	17.53
	50%	Low	18.50	17.34	17.41	17.52
		Middle		17.31	17.42	17.44

		High		17.42	17.45	17.48
	100%	/	18.50	17.38	17.40	17.42

Table 13.4-3: The conducted power for LTE Band 5

Full power						
LTE B5			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				20407/824.7	20525/836.5	20643/848.3
QPSK	1	Low	23.50	22.34	22.35	22.40
		Middle		22.37	22.41	22.34
		High		22.35	22.15	22.31
	50%	Low	23.50	22.14	22.07	22.17
		Middle		22.23	22.09	22.18
		High		22.07	22.10	22.11
	100%	/	22.50	21.10	21.26	21.16
16QAM	1	Low	22.50	21.13	21.43	21.14
		Middle		21.15	21.41	21.19
		High		21.18	21.43	21.22
	50%	Low	22.50	21.28	21.14	21.10
		Middle		21.40	21.36	21.24
		High		21.36	21.21	21.17
	100%	/	21.50	20.37	20.26	20.21
64QAM	1	Low	21.50	20.38	20.20	20.44
		Middle		20.40	20.27	20.40
		High		20.28	20.06	20.35
	50%	Low	21.50	20.10	19.94	20.03
		Middle		20.02	19.88	20.05
		High		20.10	20.03	20.10
	100%	/	20.50	19.20	18.96	19.04
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				20415/825.5	20525/836.5	20635/847.5
QPSK	1	Low	23.50	22.37	22.24	22.31
		Middle		22.31	22.41	22.27
		High		22.22	22.27	22.17
	50%	Low	22.50	21.09	21.22	21.09
		Middle		21.38	21.23	21.13
		High		21.13	21.24	21.32
	100%	/	22.50	21.25	21.42	21.14
16QAM	1	Low	22.50	21.22	21.32	21.23

		Middle		21.35	21.12	21.26
		High		21.29	21.22	21.31
	50%	Low	21.50	20.44	20.23	20.26
		Middle		20.50	20.33	20.40
		High		20.36	20.14	20.31
	100%	/	21.50	20.23	20.14	20.30
64QAM	1	Low	21.50	20.29	20.32	20.35
		Middle		20.38	20.36	20.35
		High		20.25	20.32	20.27
	50%	Low	20.50	19.26	19.21	19.08
		Middle		19.20	19.17	19.13
		High		19.26	19.26	19.16
	100%	/	20.50	19.28	19.20	19.05
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				20425/826.5	20525/836.5	20625/846.5
QPSK	1	Low	23.50	22.34	22.28	22.33
		Middle		22.36	22.42	22.41
		High		22.36	22.32	22.31
	50%	Low	22.50	21.11	21.23	21.23
		Middle		21.24	21.30	21.28
		High		21.05	21.16	21.28
	100%	/	22.50	21.12	21.15	21.14
16QAM	1	Low	22.50	21.20	21.31	21.39
		Middle		21.22	21.25	21.36
		High		21.36	21.32	21.38
	50%	Low	21.50	20.41	20.12	20.35
		Middle		20.48	20.57	20.50
		High		20.45	20.39	20.31
	100%	/	21.50	20.41	20.38	20.29
64QAM	1	Low	21.50	20.35	20.30	20.33
		Middle		20.34	20.38	20.33
		High		20.26	20.31	20.28
	50%	Low	20.50	19.14	19.25	19.09
		Middle		19.07	19.14	19.12
		High		19.19	19.22	19.05
	100%	/	20.50	19.01	18.97	18.98
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				20450/829	20525/836.5	20600/844
QPSK	1	Low	23.50	22.41	22.32	22.36
		Middle		22.45	22.46	22.43

		High		22.38	22.33	22.37
	50%	Low	22.50	21.25	21.31	21.27
		Middle		21.33	21.37	21.31
		High		21.19	21.32	21.24
	100%	/	22.50	21.20	21.33	21.23
16QAM	1	Low	22.50	21.21	21.38	21.30
		Middle		21.29	21.38	21.32
		High		21.34	21.40	21.36
	50%	Low	21.50	20.38	20.27	20.32
		Middle		20.41	20.51	20.47
		High		20.42	20.34	20.38
	100%	/	21.50	20.39	20.34	20.37
64QAM	1	Low	21.50	20.33	20.26	20.39
		Middle		20.43	20.31	20.40
		High		20.31	20.25	20.33
	50%	Low	20.50	19.20	19.15	19.13
		Middle		19.14	19.10	19.17
		High		19.21	19.17	19.20
	100%	/	20.50	19.23	19.11	19.09

Table 13.4-4: The conducted power for LTE Band 7

Full power						
LTE B7			**Maximum Conducted Power (dBm)**			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				20775/2502.5	21100/2535	21425/2567.5
QPSK	1	Low	23.50	22.03	22.16	22.10
		Middle		22.34	22.47	22.29
		High		22.24	22.28	21.97
	50%	Low	22.50	21.48	21.48	21.54
		Middle		21.52	21.58	21.46
		High		21.30	21.36	21.45
	100%	/	22.50	21.33	21.34	21.29
16QAM	1	Low	22.50	21.35	21.40	21.29
		Middle		21.37	21.45	21.39
		High		21.48	21.41	21.52
	50%	Low	21.50	20.09	20.01	20.07
		Middle		20.38	20.41	20.40
		High		20.40	20.49	20.25
	100%	/	21.50	20.53	20.41	20.23
64QAM	1	Low	21.50	20.47	20.43	20.15

		Middle		20.42	20.46	20.28
		High		20.55	20.50	20.38
	50%	Low	20.50	19.53	19.52	19.46
		Middle		19.49	19.41	19.40
		High		19.42	19.48	19.42
	100%	/	20.50	19.44	19.40	19.44
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				20800/2505	21100/2535	21400/2565
QPSK	1	Low	23.50	22.14	22.15	22.03
		Middle		22.38	22.32	22.29
		High		22.14	22.12	22.02
	50%	Low	22.50	21.41	21.23	21.44
		Middle		21.62	21.35	21.49
		High		21.35	21.27	21.57
	100%	/	22.50	21.49	21.45	21.32
16QAM	1	Low	22.50	21.45	21.49	21.44
		Middle		21.58	21.43	21.43
		High		21.50	21.44	21.49
	50%	Low	21.50	20.18	20.08	19.96
		Middle		20.36	20.42	20.30
		High		20.36	20.31	20.19
	100%	/	21.50	20.29	20.33	20.12
64QAM	1	Low	21.50	20.42	20.42	20.27
		Middle		20.38	20.46	20.24
		High		20.54	20.52	20.34
	50%	Low	20.50	19.56	19.57	19.46
		Middle		19.58	19.52	19.45
		High		19.52	19.60	19.46
	100%	/	20.50	19.54	19.52	19.48
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				20825/2507.5	21100/2535	21375/2562.5
QPSK	1	Low	23.50	22.11	22.19	22.05
		Middle		22.32	22.50	22.32
		High		22.17	22.29	22.05
	50%	Low	22.50	21.43	21.24	21.47
		Middle		21.59	21.53	21.48
		High		21.38	21.30	21.48
	100%	/	22.50	21.47	21.29	21.27
16QAM	1	Low	22.50	21.54	21.54	21.55
		Middle		21.56	21.56	21.41

		High		21.57	21.54	21.44
	50%	Low	21.50	20.15	19.97	20.00
		Middle		20.41	20.55	20.40
		High		20.34	20.45	20.30
	100%	/	21.50	20.36	20.46	20.27
64QAM	1	Low	21.50	20.37	20.40	20.37
		Middle		20.34	20.48	20.34
		High		20.48	20.44	20.47
	50%	Low	20.50	19.48	19.54	19.52
		Middle		19.56	19.42	19.49
		High		19.56	19.49	19.42
	100%	/	20.50	19.38	19.22	19.37
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				20850/2510	21100/2535	21350/2560
QPSK	1	Low	23.50	22.18	22.23	22.08
		Middle		22.41	**22.49**	22.34
		High		22.19	22.30	22.11
	50%	Low	22.50	21.46	21.44	21.51
		Middle		21.57	**21.61**	21.56
		High		21.41	21.47	21.49
	100%	/	22.50	21.44	**21.48**	21.41
16QAM	1	Low	22.50	21.49	21.55	21.51
		Middle		21.52	21.58	21.49
		High		21.55	21.51	21.54
	50%	Low	21.50	20.12	20.01	20.09
		Middle		20.34	20.49	20.44
		High		20.38	20.40	20.33
	100%	/	21.50	20.41	20.42	20.31
64QAM	1	Low	21.50	20.42	20.36	20.32
		Middle		20.39	20.41	20.30
		High		20.49	20.45	20.41
	50%	Low	20.50	19.50	19.51	19.45
		Middle		19.52	19.45	19.43
		High		19.47	19.51	19.46
	100%	/	20.50	19.49	19.43	19.48
Sensor on						
LTE B7			**Maximum Conducted Power (dBm)**			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				20775/2502.5	21100/2535	21425/2567.5
QPSK	1	Low	21.00	19.87	19.85	19.91

		Middle		20.06	20.15	20.10
		High		19.96	20.00	19.90
	50%	Low	21.00	19.85	20.01	19.98
		Middle		20.12	20.13	20.12
		High		20.05	19.80	20.11
	100%	/	21.00	20.03	19.87	20.01
16QAM	1	Low	21.00	19.97	20.00	19.87
		Middle		19.99	20.09	20.08
		High		19.85	19.96	19.97
	50%	Low	21.00	19.78	20.11	19.75
		Middle		19.87	20.06	19.68
		High		19.82	20.09	19.73
	100%	/	21.00	19.90	20.03	19.83
64QAM	1	Low	21.00	19.96	20.11	19.65
		Middle		19.83	20.07	19.79
		High		19.99	20.03	19.69
	50%	Low	21.00	19.87	19.88	19.74
		Middle		19.82	19.93	19.82
		High		19.78	19.89	19.93
	100%	/	21.00	19.87	19.92	19.90
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				20800/2505	21100/2535	21400/2565
QPSK	1	Low	21.00	19.98	19.84	19.84
		Middle		20.10	20.12	20.10
		High		19.90	19.96	19.95
	50%	Low	21.00	19.71	19.88	19.77
		Middle		20.08	19.91	19.93
		High		19.92	19.72	20.01
	100%	/	21.00	19.92	19.99	19.82
16QAM	1	Low	21.00	19.84	19.97	19.84
		Middle		19.97	19.84	19.94
		High		19.82	19.87	19.87
	50%	Low	21.00	19.98	20.17	19.86
		Middle		20.03	20.02	19.76
		High		19.96	19.86	19.80
	100%	/	21.00	19.84	19.90	19.90
64QAM	1	Low	21.00	20.09	20.06	19.95
		Middle		19.93	20.07	19.93
		High		19.94	20.05	19.83
	50%	Low	21.00	19.90	19.97	19.78
		Middle		19.84	19.97	19.85

		High		19.81	19.94	19.97
	100%	/	21.00	19.90	19.97	19.94
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				20825/2507.5	21100/2535	21375/2562.5
QPSK	1	Low	21.00	19.95	19.88	19.86
		Middle		20.04	20.13	20.13
		High		19.82	19.90	19.87
	50%	Low	21.00	19.73	19.85	19.80
		Middle		20.09	20.09	20.01
		High		19.99	19.75	20.01
	100%	/	21.00	19.94	19.83	19.86
16QAM	1	Low	21.00	19.93	20.03	20.00
		Middle		19.95	19.97	20.04
		High		20.00	20.08	20.05
	50%	Low	21.00	19.91	20.06	19.95
		Middle		19.97	20.19	19.90
		High		19.90	20.04	19.91
	100%	/	21.00	19.87	20.07	20.00
64QAM	1	Low	21.00	20.00	20.08	19.93
		Middle		19.89	20.09	19.87
		High		19.99	20.04	19.80
	50%	Low	21.00	19.93	19.97	19.75
		Middle		19.86	19.94	19.88
		High		19.89	19.90	19.90
	100%	/	21.00	19.78	19.74	19.80
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				20850/2510	21100/2535	21350/2560
QPSK	1	Low	21.00	20.02	19.92	19.89
		Middle		20.13	**20.17**	20.15
		High		19.95	20.02	20.04
	50%	Low	21.00	19.87	20.08	19.95
		Middle		20.18	**20.20**	20.15
		High		20.13	19.95	20.08
	100%	/	21.00	20.02	20.05	**20.06**
16QAM	1	Low	21.00	20.10	20.14	20.02
		Middle		20.02	20.10	20.11
		High		19.98	20.05	20.03
	50%	Low	21.00	19.92	20.10	19.92
		Middle		19.94	20.13	19.87
		High		19.91	19.99	19.91

	100%	/	21.00	19.89	20.03	20.01
64QAM	1	Low	21.00	20.02	20.04	19.92
		Middle		19.91	20.02	19.87
		High		19.93	19.98	19.78
	50%	Low	21.00	19.88	19.91	19.72
		Middle		19.82	19.94	19.82
		High		19.80	19.89	19.94
	100%	/	21.00	19.89	19.92	19.91

Table 13.4-5: The conducted power for LTE Band 12

Full power						
LTE B12			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				23017/699.7	23095/707.5	23173/715.3
QPSK	1	Low	23.50	22.44	22.59	22.61
		Middle		22.53	22.58	22.50
		High		22.45	22.48	22.52
	50%	Low	23.50	22.28	22.34	22.38
		Middle		22.37	22.45	22.47
		High		22.34	22.38	22.36
	100%	/	22.50	21.51	21.54	21.50
16QAM	1	Low	22.50	21.54	21.67	21.51
		Middle		21.56	21.73	21.63
		High		21.57	21.74	21.57
	50%	Low	22.50	21.30	21.42	21.29
		Middle		21.44	21.56	21.39
		High		21.48	21.44	21.39
	100%	/	21.50	20.57	20.39	20.35
64QAM	1	Low	21.50	20.43	20.34	20.42
		Middle		20.23	20.41	20.22
		High		20.22	20.31	20.23
	50%	Low	21.50	20.13	20.24	20.25
		Middle		20.18	20.21	20.29
		High		20.15	20.32	20.29
	100%	/	20.50	19.30	19.27	19.40
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				23025/700.5	23095/707.5	23165/714.5
QPSK	1	Low	23.50	22.47	22.48	22.52
		Middle		22.63	22.58	22.54

		High		22.48	22.49	22.49
	50%	Low	22.50	21.32	21.38	21.41
		Middle		21.50	21.48	21.53
		High		21.38	21.41	21.57
	100%	/	22.50	21.48	21.64	21.37
16QAM	1	Low	22.50	21.52	21.49	21.49
		Middle		21.72	21.48	21.59
		High		21.64	21.57	21.62
	50%	Low	21.50	20.53	20.55	20.46
		Middle		20.61	20.57	20.56
		High		20.66	20.41	20.54
	100%	/	21.50	20.61	20.38	20.40
64QAM	1	Low	21.50	20.52	20.35	20.51
		Middle		20.39	20.39	20.28
		High		20.37	20.46	20.21
	50%	Low	20.50	19.36	19.47	19.29
		Middle		19.43	19.46	19.36
		High		19.38	19.51	19.34
	100%	/	20.50	19.45	19.47	19.40
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				23035/701.5	23095/707.5	23155/713.5
QPSK	1	Low	23.50	22.44	22.52	22.54
		Middle		22.57	22.64	22.57
		High		22.39	22.52	22.52
	50%	Low	22.50	21.29	21.37	21.44
		Middle		21.42	21.64	21.57
		High		21.36	21.42	21.53
	100%	/	22.50	21.48	21.41	21.37
16QAM	1	Low	22.50	21.63	21.59	21.65
		Middle		21.65	21.68	21.69
		High		21.71	21.74	21.62
	50%	Low	21.50	20.50	20.51	20.48
		Middle		20.59	20.77	20.59
		High		20.64	20.62	20.58
	100%	/	21.50	20.68	20.58	20.43
64QAM	1	Low	21.50	20.40	20.40	20.42
		Middle		20.28	20.48	20.33
		High		20.31	20.52	20.29
	50%	Low	20.50	19.35	19.51	19.37
		Middle		19.41	19.43	19.42
		High		19.42	19.47	19.30

	100%	/	20.50	19.29	19.24	19.29
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				23060/704	23095/707.5	23130/711
QPSK	1	Low	23.50	22.51	22.56	22.57
		Middle		22.66	22.68	22.59
		High		22.53	22.60	22.58
	50%	Low	22.50	21.44	21.52	21.48
		Middle		21.52	21.67	21.60
		High		21.51	21.54	21.49
	100%	/	22.50	21.50	21.55	21.46
16QAM	1	Low	22.50	21.54	21.62	21.56
		Middle		21.66	21.70	21.65
		High		21.69	21.71	21.67
	50%	Low	21.50	20.47	20.55	20.52
		Middle		20.52	20.71	20.63
		High		20.61	20.57	20.61
	100%	/	21.50	20.66	20.54	20.52
64QAM	1	Low	21.50	20.45	20.36	20.49
		Middle		20.33	20.41	20.34
		High		20.32	20.46	20.28
	50%	Low	20.50	19.30	19.41	19.35
		Middle		19.37	19.39	19.41
		High		19.33	19.42	19.39
	100%	/	20.50	19.40	19.38	19.45

Table 13.4-6: The conducted power for LTE Band 13

Full power						
LTE B13			**Maximum Conducted Power (dBm)**			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				23205/779.5	23230/782	23255/784.5
QPSK	1	Low	23.50	22.51	22.56	22.57
		Middle		22.67	22.63	22.65
		High		22.53	22.60	22.67
	50%	Low	22.50	21.74	21.65	21.67
		Middle		21.77	21.61	21.72
		High		21.67	21.59	21.65
	100%	/	22.50	21.68	21.60	21.63
16QAM	1	Low	22.50	21.51	21.55	21.62
		Middle		21.71	21.65	21.66

		High		21.67	21.62	21.57
	50%	Low	21.50	20.73	20.71	20.52
		Middle		20.81	20.73	20.65
		High		20.78	20.69	20.54
	100%	/	21.50	20.80	20.73	20.74
64QAM	1	Low	21.50	20.72	20.62	20.67
		Middle		20.70	20.59	20.61
		High		20.67	20.61	20.54
	50%	Low	20.50	19.34	19.23	19.31
		Middle		19.31	19.36	19.24
		High		19.36	19.22	19.21
	100%	/	20.50	19.28	19.14	19.17
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				/	23230/782	/
QPSK	1	Low	23.50	/	22.62	/
		Middle		/	**22.72**	/
		High		/	22.71	/
	50%	Low	22.50	/	21.67	/
		Middle		/	**21.74**	/
		High		/	21.71	/
	100%	/	22.50	/	**21.72**	/
16QAM	1	Low	22.50	/	21.72	/
		Middle		/	21.69	/
		High		/	21.75	/
	50%	Low	21.50	/	20.69	/
		Middle		/	20.88	/
		High		/	20.66	/
	100%	/	21.50	/	20.67	/
64QAM	1	Low	21.50	/	20.63	/
		Middle		/	20.61	/
		High		/	20.70	/
	50%	Low	20.50	/	19.32	/
		Middle		/	19.47	/
		High		/	19.41	/
	100%	/	20.50	/	19.52	/

Table 13.4-7: The conducted power for LTE Band 14

Full power				
LTE B14			**Maximum Conducted Power (dBm)**	
Modulation	RB	RB Offset	Tune up	5MHz

				Channel/Frequency(MHz)		
				23305/790.5	23330/793	23355/795.5
QPSK	1	Low	23.50	23.11	23.15	23.12
		Middle		23.25	23.24	23.17
		High		23.03	23.08	23.06
	50%	Low	22.50	22.06	22.05	22.04
		Middle		22.14	22.09	22.03
		High		22.12	22.06	22.03
	100%	/	22.50	22.10	22.08	22.00
16QAM	1	Low	22.50	22.09	22.12	22.27
		Middle		22.23	22.22	22.38
		High		22.04	22.10	22.28
	50%	Low	22.50	21.06	21.04	21.17
		Middle		21.15	21.12	21.22
		High		21.16	21.05	21.15
	100%	/	22.50	21.09	21.16	21.05
64QAM	1	Low	22.50	21.33	21.69	22.00
		Middle		21.48	21.84	22.10
		High		21.34	21.78	22.03
	50%	Low	21.50	20.35	20.51	20.37
		Middle		20.43	20.54	20.42
		High		20.48	20.56	20.39
	100%	/	21.50	20.44	20.51	20.42
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				/	23330/793	/
QPSK	1	Low	23.50	/	**23.17**	/
		Middle		/	23.12	/
		High		/	23.07	/
	50%	Low	22.50	/	21.97	/
		Middle		/	**22.13**	/
		High		/	22.03	/
	100%	/	22.50	/	**22.04**	/
16QAM	1	Low	22.50	/	22.32	/
		Middle		/	22.26	/
		High		/	22.23	/
	50%	Low	22.50	/	20.99	/
		Middle		/	21.14	/
		High		/	21.03	/
	100%	/	22.50	/	21.00	/
64QAM	1	Low	22.50	/	21.42	/
		Middle		/	21.44	/

		High		/	21.48	/
	50%	Low	21.50	/	20.35	/
		Middle		/	20.54	/
		High		/	20.48	/
	100%	/	21.50	/	20.42	/

Table 13.4-8: The conducted power for LTE Band 17

Full power						
LTE B17			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				23755/706.5	23790/710	23825/713.5
QPSK	1	Low	23.50	22.44	22.55	22.49
		Middle		22.41	22.56	22.51
		High		22.40	22.37	22.42
	50%	Low	22.50	21.35	21.40	21.39
		Middle		21.55	21.63	21.51
		High		21.46	21.53	21.60
	100%	/	22.50	21.36	21.35	21.37
16QAM	1	Low	22.50	21.48	21.69	21.63
		Middle		21.50	21.51	21.55
		High		21.43	21.60	21.40
	50%	Low	21.50	20.51	20.59	20.46
		Middle		20.72	20.56	20.48
		High		20.59	20.67	20.52
	100%	/	21.50	20.54	20.64	20.54
64QAM	1	Low	21.50	20.30	20.40	20.42
		Middle		20.33	20.48	20.50
		High		20.45	20.51	20.54
	50%	Low	20.50	19.41	19.52	19.54
		Middle		19.45	19.51	19.55
		High		19.37	19.44	19.35
	100%	/	20.50	19.30	19.29	19.18
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				23780/709	23790/710	23800/711
QPSK	1	Low	23.50	22.51	22.59	22.52
		Middle		22.57	22.60	22.53
		High		22.49	22.45	22.48
	50%	Low	22.50	21.45	21.55	21.43
		Middle		21.60	21.62	21.54

		High		21.56	21.61	21.56
	100%	/	22.50	21.33	21.45	21.46
16QAM	1	Low	22.50	21.52	21.68	21.54
		Middle		21.46	21.56	21.51
		High		21.41	21.53	21.45
	50%	Low	21.50	20.48	20.59	20.50
		Middle		20.61	20.46	20.48
		High		20.52	20.58	20.51
	100%	/	21.50	20.55	20.60	20.54
64QAM	1	Low	21.50	20.31	20.36	20.33
		Middle		20.34	20.41	20.49
		High		20.42	20.45	20.51
	50%	Low	20.50	19.39	19.42	19.50
		Middle		19.44	19.47	19.52
		High		19.31	19.39	19.42
	100%	/	20.50	19.37	19.43	19.32

Table 13.4-9: The conducted power for LTE Band 25

Full power						
LTE B25			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				26047/1850.7	26365/1882,5	26683/1914.3
QPSK	1	Low	23.50	21.40	21.55	21.46
		Middle		22.00	22.09	22.01
		High		21.83	21.76	21.63
	50%	Low	23.50	21.71	21.71	21.77
		Middle		21.80	21.86	21.80
		High		21.71	21.76	21.67
	100%	/	22.50	20.85	21.01	20.90
16QAM	1	Low	22.50	20.88	21.10	20.96
		Middle		20.90	21.04	21.05
		High		20.92	20.94	20.86
	50%	Low	22.50	20.91	20.69	20.81
		Middle		21.09	20.88	20.83
		High		20.91	20.76	20.81
	100%	/	21.50	19.87	19.82	19.78
64QAM	1	Low	21.50	19.90	19.94	19.97
		Middle		19.89	20.03	19.91
		High		19.84	19.90	19.92
	50%	Low	21.50	19.75	19.87	19.77

		Middle		19.64	19.78	19.77
		High		19.63	19.75	19.52
	100%	/	20.50	18.69	18.87	18.79
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				26055/1851.5	26365/1882,5	26675/1913.5
QPSK	1	Low	23.50	21.42	21.43	21.36
		Middle		22.01	22.07	22.00
		High		21.80	21.71	21.59
	50%	Low	22.50	20.77	20.88	20.78
		Middle		20.86	21.05	20.91
		High		20.89	20.76	20.76
	100%	/	22.50	20.85	20.89	20.88
16QAM	1	Low	22.50	20.99	21.12	20.93
		Middle		20.98	21.09	21.01
		High		20.96	20.83	20.83
	50%	Low	21.50	20.00	19.76	19.87
		Middle		20.06	20.05	19.87
		High		19.97	19.92	19.82
	100%	/	21.50	19.88	19.92	19.83
64QAM	1	Low	21.50	19.93	19.90	19.95
		Middle		20.03	20.01	19.96
		High		19.91	20.04	19.95
	50%	Low	20.50	18.89	18.96	18.91
		Middle		18.82	18.97	18.96
		High		18.78	18.87	18.68
	100%	/	20.50	18.75	18.99	18.91
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				26065/1852.5	26365/1882.5	26665/1912.5
QPSK	1	Low	23.50	21.32	21.45	21.44
		Middle		22.06	22.12	22.05
		High		21.90	21.75	21.54
	50%	Low	22.50	20.83	20.82	20.89
		Middle		20.91	21.01	20.89
		High		20.78	20.77	20.82
	100%	/	22.50	20.90	20.90	20.86
16QAM	1	Low	22.50	20.88	20.97	20.81
		Middle		20.90	21.00	20.99
		High		20.90	20.86	20.82
	50%	Low	21.50	19.93	19.87	19.85
		Middle		20.09	20.00	19.86

		High		19.94	20.03	19.83
	100%	/	21.50	20.01	19.99	19.80
64QAM	1	Low	21.50	19.89	19.95	19.74
		Middle		19.94	20.00	19.93
		High		19.92	20.02	19.91
	50%	Low	20.50	18.82	18.87	18.87
		Middle		18.74	18.81	18.87
		High		18.76	18.77	18.65
	100%	/	20.50	18.74	18.90	18.87
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				26090/1855	26365/1882.5	26640/1910
QPSK	1	Low	23.50	21.43	21.44	21.37
		Middle		22.10	22.09	22.05
		High		21.86	21.77	21.65
	50%	Low	22.50	20.82	20.75	20.85
		Middle		21.00	20.83	20.91
		High		20.82	20.73	20.93
	100%	/	22.50	20.94	21.00	20.82
16QAM	1	Low	22.50	20.91	20.93	20.94
		Middle		20.99	20.80	20.96
		High		20.87	20.78	20.79
	50%	Low	21.50	20.02	19.83	19.81
		Middle		20.08	19.96	19.77
		High		19.96	19.85	19.78
	100%	/	21.50	19.78	19.86	19.70
64QAM	1	Low	21.50	19.91	20.00	19.93
		Middle		19.97	20.06	19.96
		High		19.91	20.04	19.94
	50%	Low	20.50	18.96	18.97	18.92
		Middle		18.87	18.90	18.95
		High		18.84	18.81	18.68
	100%	/	20.50	18.82	18.94	18.90
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				26115/1857.5	26365/1882.5	26615/1907.5
QPSK	1	Low	23.50	21.40	21.48	21.39
		Middle		22.04	22.10	22.02
		High		21.83	21.82	21.62
	50%	Low	22.50	20.78	20.76	20.82
		Middle		20.86	21.02	20.84
		High		20.74	20.77	20.78

	100%	/	22.50	20.81	20.85	20.71
16QAM	1	Low	22.50	20.89	21.04	20.99
		Middle		20.96	21.04	21.05
		High		20.99	20.93	20.85
	50%	Low	21.50	20.04	19.77	19.89
		Middle		20.17	20.08	19.98
		High		20.00	19.93	19.95
	100%	/	21.50	19.86	19.88	19.81
64QAM	1	Low	21.50	19.87	19.87	19.92
		Middle		19.94	19.97	19.95
		High		19.93	19.98	19.90
	50%	Low	20.50	18.95	19.01	18.93
		Middle		18.85	18.93	18.94
		High		18.88	18.83	18.57
	100%	/	20.50	18.66	18.77	18.72
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				26140/1860	26365/1882.5	26590/1905
QPSK	1	Low	23.50	21.47	21.52	21.42
		Middle		22.13	**22.14**	22.10
		High		21.91	21.83	21.74
	50%	Low	22.50	20.87	20.84	20.92
		Middle		20.95	**21.03**	20.98
		High		20.88	20.87	20.85
	100%	/	22.50	20.89	**20.97**	20.91
16QAM	1	Low	22.50	20.95	21.05	21.01
		Middle		20.98	21.06	21.07
		High		20.97	20.96	20.89
	50%	Low	21.50	20.01	19.87	19.92
		Middle		20.10	20.08	19.95
		High		19.97	19.94	19.91
	100%	/	21.50	19.89	19.95	19.83
64QAM	1	Low	21.50	19.90	19.94	19.92
		Middle		19.97	20.01	19.96
		High		19.92	20.03	19.95
	50%	Low	20.50	18.90	18.97	18.92
		Middle		18.81	18.89	18.94
		High		18.79	18.78	18.67
	100%	/	20.50	18.77	18.91	18.89
Sensor on						
LTE B25			**Maximum Conducted Power (dBm)**			
Modulation	RB	RB Offset	Tune up	1.4MHz		

				Channel/Frequency(MHz)		
				26047/1850.7	26365/1882,5	26683/1914.3
QPSK	1	Low	19.50	17.34	17.29	17.49
		Middle		18.36	18.52	18.56
		High		18.15	18.24	18.33
	50%	Low	19.50	18.23	18.37	18.32
		Middle		18.47	18.61	18.48
		High		18.42	18.11	18.24
	100%	/	19.50	18.50	18.33	18.36
16QAM	1	Low	19.50	18.18	18.42	18.38
		Middle		18.29	18.44	18.49
		High		18.34	18.27	18.38
	50%	Low	19.50	18.29	18.15	18.29
		Middle		18.57	18.46	18.35
		High		18.53	18.42	18.36
	100%	/	19.50	18.33	18.28	18.25
64QAM	1	Low	19.50	18.19	18.43	18.31
		Middle		18.26	17.47	18.34
		High		18.18	18.42	18.42
	5	Low	19.50	18.32	18.50	18.19
		Middle		18.35	18.50	18.37
		High		18.43	18.26	18.37
	100%	/	19.50	18.14	18.24	18.19
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				26055/1851.5	26365/1882,5	26675/1913.5
QPSK	1	Low	19.50	17.41	17.33	17.52
		Middle		18.36	18.50	18.52
		High		18.08	18.19	18.33
	50%	Low	19.50	18.37	18.44	18.22
		Middle		18.45	18.60	18.51
		High		18.54	18.28	18.32
	100%	/	19.50	18.53	18.49	18.54
16QAM	1	Low	19.50	18.23	18.47	18.38
		Middle		18.22	18.43	18.45
		High		18.32	18.15	18.30
	50%	Low	19.50	18.26	18.10	18.20
		Middle		18.50	18.31	18.26
		High		18.50	18.28	18.26
	100%	/	19.50	18.40	18.24	18.25
64QAM	1	Low	19.50	18.29	18.36	18.23
		Middle		18.36	17.46	18.36

		High		18.24	18.36	18.33
	50%	Low	19.50	18.39	18.40	18.09
		Middle		18.34	18.37	18.19
		High		18.34	18.12	18.32
	100%	/	19.50	18.25	18.38	18.30
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				26065/1852.5	26365/1882.5	26665/1912.5
QPSK	1	Low	19.50	17.31	17.35	17.60
		Middle		18.53	18.64	18.60
		High		18.31	18.33	18.32
	50%	Low	19.50	18.56	18.21	18.28
		Middle		18.63	18.57	18.47
		High		18.47	18.21	18.24
	100%	/	19.50	18.55	18.41	18.37
16QAM	1	Low	19.50	18.25	18.28	18.21
		Middle		18.31	18.33	18.39
		High		18.22	18.15	18.34
	50%	Low	19.50	18.16	18.34	18.23
		Middle		18.35	18.29	18.34
		High		18.35	18.42	18.36
	100%	/	19.50	18.36	18.29	18.26
64QAM	1	Low	19.50	18.14	18.45	18.12
		Middle		18.24	17.45	18.33
		High		18.16	18.43	18.38
	50%	Low	19.50	18.28	18.45	18.19
		Middle		18.22	18.41	18.24
		High		18.31	18.16	18.37
	100%	/	19.50	18.23	18.34	18.25
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				26090/1855	26365/1882.5	26640/1910
QPSK	1	Low	19.50	17.42	17.34	17.53
		Middle		18.57	18.61	18.60
		High		18.21	18.29	18.37
	50%	Low	19.50	18.37	18.14	18.24
		Middle		18.54	18.36	18.49
		High		18.33	18.14	18.35
	100%	/	19.50	18.50	18.57	18.42
16QAM	1	Low	19.50	18.03	18.25	18.39
		Middle		18.16	18.19	18.45
		High		18.13	18.18	18.40

	50%	Low	19.50	18.15	18.22	18.25
		Middle		18.49	18.16	18.28
		High		18.47	18.10	18.29
	100%	/	19.50	18.28	18.07	18.10
64QAM	1	Low	19.50	18.28	18.47	18.25
		Middle		18.36	17.48	18.30
		High		18.24	18.45	18.35
	50%	Low	19.50	18.40	18.47	18.10
		Middle		18.33	18.42	18.18
		High		18.34	18.18	18.29
	100%	/	19.50	18.26	18.36	18.17
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				26115/1857.5	26365/1882.5	26615/1907.5
QPSK	1	Low	19.50	17.39	17.38	17.55
		Middle		18.51	18.62	18.63
		High		18.24	18.34	18.40
	50%	Low	19.50	18.51	18.18	18.30
		Middle		18.54	18.63	18.56
		High		18.39	18.20	18.34
	100%	/	19.50	18.48	18.41	18.42
16QAM	1	Low	19.50	18.12	18.35	18.55
		Middle		18.23	18.32	18.55
		High		18.29	18.28	18.47
	50%	Low	19.50	18.24	18.14	18.37
		Middle		18.50	18.32	18.41
		High		18.48	18.27	18.43
	100%	/	19.50	18.38	18.23	18.23
64QAM	1	Low	19.50	18.23	18.45	18.23
		Middle		18.32	17.50	18.28
		High		18.25	18.44	18.36
	50%	Low	19.50	18.39	18.54	18.14
		Middle		18.31	18.42	18.20
		High		18.38	18.17	18.30
	100%	/	19.50	18.10	18.16	18.11
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				26140/1860	26365/1882.5	26590/1905
QPSK	1	Low	19.50	17.46	17.42	17.58
		Middle		18.60	18.66	18.65
		High		18.26	18.35	18.46
	50%	Low	19.50	18.54	18.26	18.34

		Middle		18.61	18.62	18.59
		High		18.51	18.34	18.30
	100%	/	19.50	18.54	18.57	18.51
16QAM	1	Low	19.50	18.30	18.40	18.46
		Middle		18.19	18.43	18.51
		High		18.27	18.34	18.45
	50%	Low	19.50	18.21	18.27	18.34
		Middle		18.43	18.35	18.38
		High		18.45	18.31	18.39
	100%	/	19.50	18.36	18.28	18.29
64QAM	1	Low	19.50	18.21	18.41	18.27
		Middle		18.30	17.43	18.33
		High		18.19	18.38	18.39
	50%	Low	19.50	18.34	18.44	18.16
		Middle		18.27	18.38	18.23
		High		18.29	18.12	18.34
	100%	/	19.50	18.21	18.30	18.22

Table 13.4-10: The conducted power for LTE Band 26

Full power						
LTE B26			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				26697/814.7	26865/831.5	27033/848.3
QPSK	1	Low	23.50	22.30	22.45	22.35
		Middle		22.50	22.54	22.40
		High		22.41	22.24	22.36
	50%	Low	23.50	22.10	22.25	22.21
		Middle		22.17	22.26	22.22
		High		22.08	22.22	22.19
	100%	/	22.50	21.25	21.38	21.37
16QAM	1	Low	22.50	21.17	21.35	21.23
		Middle		21.26	21.15	21.30
		High		21.30	21.24	21.24
	50%	Low	22.50	21.21	21.14	21.21
		Middle		21.32	21.20	21.24
		High		21.36	21.31	21.18
	100%	/	21.50	20.29	20.30	20.19
64QAM	1	Low	21.50	20.22	20.28	20.16
		Middle		20.16	20.38	20.15
		High		20.11	20.09	20.13

	50%	Low	21.50	20.05	20.07	20.13
		Middle		19.94	19.97	20.14
		High		19.96	20.08	20.09
	100%	/	20.50	18.94	19.09	19.09
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				26705/815.5	26865/831.5	27025/847.5
QPSK	1	Low	23.50	22.22	22.35	22.33
		Middle		22.51	22.57	22.44
		High		22.52	22.29	22.21
	50%	Low	22.50	21.33	21.42	21.27
		Middle		21.32	21.47	21.25
		High		21.16	21.33	21.35
	100%	/	22.50	21.25	21.31	21.28
16QAM	1	Low	22.50	21.14	21.27	21.13
		Middle		21.16	21.11	21.29
		High		21.23	21.16	21.25
	50%	Low	21.50	20.28	20.35	20.30
		Middle		20.37	20.35	20.32
		High		20.44	20.54	20.35
	100%	/	21.50	20.43	20.38	20.28
64QAM	1	Low	21.50	20.22	20.30	19.99
		Middle		20.22	20.36	20.18
		High		20.20	20.22	20.13
	50%	Low	20.50	19.18	19.18	19.29
		Middle		19.10	19.11	19.23
		High		19.09	19.15	19.18
	100%	/	20.50	18.99	19.17	19.13
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				26715/816.5	26865/831.5	27015/846.5
QPSK	1	Low	23.50	22.33	22.34	22.26
		Middle		22.48	22.47	22.37
		High		22.32	22.15	22.23
	50%	Low	22.50	21.16	21.19	21.14
		Middle		21.39	21.19	21.25
		High		21.24	21.32	21.40
	100%	/	22.50	21.39	21.50	21.24
16QAM	1	Low	22.50	21.22	21.34	21.21
		Middle		21.35	21.00	21.26
		High		21.30	21.17	21.22
	50%	Low	21.50	20.37	20.37	20.26

		Middle		20.42	20.31	20.29
		High		20.37	20.28	20.28
	100%	/	21.50	20.16	20.22	20.24
64QAM	1	Low	21.50	20.14	20.26	20.18
		Middle		20.25	20.36	20.24
		High		20.19	20.24	20.19
	50%	Low	20.50	19.25	19.20	19.29
		Middle		19.16	19.12	19.26
		High		19.16	19.17	19.19
	100%	/	20.50	19.09	19.22	19.17
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				26740/819	26865/831.5	26990/844
QPSK	1	Low	23.50	22.30	22.38	22.28
		Middle		22.42	22.55	22.47
		High		22.35	22.27	22.33
	50%	Low	22.50	21.18	21.27	21.24
		Middle		21.29	21.44	21.29
		High		21.20	21.28	21.36
	100%	/	22.50	21.30	21.27	21.24
16QAM	1	Low	22.50	21.31	21.37	21.37
		Middle		21.33	21.13	21.36
		High		21.37	21.27	21.22
	50%	Low	21.50	20.34	20.26	20.28
		Middle		20.40	20.51	20.32
		High		20.42	20.49	20.32
	100%	/	21.50	20.23	20.42	20.27
64QAM	1	Low	21.50	20.09	20.24	20.16
		Middle		20.18	20.35	20.19
		High		20.20	20.23	20.20
	50%	Low	20.50	19.20	19.27	19.40
		Middle		19.17	19.05	19.35
		High		19.23	19.09	19.18
	100%	/	20.50	18.93	18.92	19.06
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				26765/821.5	26865/831.5	26965/841.5
QPSK	1	Low	23.50	22.37	22.42	22.31
		Middle		22.58	22.59	22.49
		High		22.47	22.31	22.42
	50%	Low	22.50	21.31	21.38	21.31
		Middle		21.37	21.43	21.35

		High		21.30	21.40	21.32
	100%	/	22.50	21.34	21.41	21.33
16QAM	1	Low	22.50	21.32	21.40	21.28
		Middle		21.29	21.22	21.32
		High		21.35	21.31	21.27
	50%	Low	21.50	20.31	20.37	20.32
		Middle		20.33	20.45	20.36
		High		20.42	20.47	20.38
	100%	/	21.50	20.31	20.41	20.34
64QAM	1	Low	21.50	20.17	20.23	20.21
		Middle		20.26	20.31	20.25
		High		20.21	20.17	20.21
	50%	Low	20.50	19.22	19.17	19.33
		Middle		19.13	19.08	19.29
		High		19.14	19.11	19.22
	100%	/	20.50	19.04	19.13	19.17

Table 13.4-11: The conducted power for LTE Band 26 (ISED)

Full power						
LTE B26			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				26797/824.7	26915/836.5	27033/848.3
QPSK	1	Low	23.50	22.35	22.57	22.35
		Middle		22.45	22.44	22.40
		High		22.22	22.28	22.36
	50%	Low	23.50	22.21	22.08	22.21
		Middle		22.33	22.24	22.22
		High		22.28	22.26	22.19
	100%	/	22.50	21.42	21.39	21.37
16QAM	1	Low	22.50	21.17	21.35	21.23
		Middle		21.19	21.36	21.30
		High		21.20	21.28	21.24
	50%	Low	22.50	21.21	21.21	21.21
		Middle		21.38	21.18	21.24
		High		21.41	21.22	21.18
	100%	/	21.50	20.39	20.37	20.19
64QAM	1	Low	21.50	20.28	20.38	20.16
		Middle		20.28	20.36	20.15
		High		20.14	20.23	20.13
	50%	Low	21.50	20.07	20.01	20.13

		Middle		19.96	20.05	20.14
		High		20.00	20.10	20.09
	100%	/	20.50	19.10	19.16	19.09
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				26805/825.5	26915/836.5	27025/847.5
QPSK	1	Low	23.50	22.27	22.47	22.33
		Middle		22.52	22.53	22.44
		High		22.36	22.39	22.21
	50%	Low	22.50	21.40	21.31	21.27
		Middle		21.39	21.39	21.25
		High		21.30	21.27	21.35
	100%	/	22.50	21.36	21.22	21.28
16QAM	1	Low	22.50	21.17	21.27	21.13
		Middle		21.19	21.32	21.29
		High		21.29	21.26	21.25
	50%	Low	21.50	20.28	20.39	20.30
		Middle		20.43	20.30	20.32
		High		20.43	20.43	20.35
	100%	/	21.50	20.47	20.43	20.28
64QAM	1	Low	21.50	20.28	20.40	19.99
		Middle		20.34	20.34	20.18
		High		20.23	20.36	20.13
	50%	Low	20.50	19.20	19.12	19.29
		Middle		19.12	19.19	19.23
		High		19.13	19.17	19.18
	100%	/	20.50	19.15	19.24	19.13
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				26815/826.5	26915/836.5	27015/846.5
QPSK	1	Low	23.50	22.38	22.46	22.26
		Middle		22.56	22.50	22.37
		High		22.26	22.35	22.23
	50%	Low	22.50	21.27	21.12	21.14
		Middle		21.42	21.21	21.25
		High		21.28	21.23	21.40
	100%	/	22.50	21.46	21.44	21.24
16QAM	1	Low	22.50	21.15	21.24	21.21
		Middle		21.28	21.18	21.26
		High		21.20	21.18	21.22
	50%	Low	21.50	20.37	20.41	20.26
		Middle		20.48	20.26	20.29

		High		20.46	20.20	20.28
	100%	/	21.50	20.36	20.36	20.24
64QAM	1	Low	21.50	20.30	20.39	20.18
		Middle		20.37	20.34	20.24
		High		20.22	20.32	20.19
	50%	Low	20.50	19.23	19.11	19.29
		Middle		19.14	19.17	19.26
		High		19.16	19.16	19.19
	100%	/	20.50	19.18	19.23	19.17
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				26840/829	26915/836.5	26990/844
QPSK	1	Low	23.50	22.35	22.50	22.28
		Middle		22.50	22.45	22.47
		High		22.29	22.34	22.33
	50%	Low	22.50	21.35	21.13	21.24
		Middle		21.45	21.39	21.29
		High		21.37	21.26	21.36
	100%	/	22.50	21.44	21.28	21.24
16QAM	1	Low	22.50	21.18	21.34	21.37
		Middle		21.20	21.31	21.36
		High		21.27	21.34	21.22
	50%	Low	21.50	20.34	20.36	20.28
		Middle		20.46	20.45	20.32
		High		20.44	20.40	20.32
	100%	/	21.50	20.43	20.49	20.27
64QAM	1	Low	21.50	20.25	20.31	20.16
		Middle		20.33	20.30	20.19
		High		20.23	20.31	20.20
	50%	Low	20.50	19.22	19.21	19.40
		Middle		19.12	19.20	19.35
		High		19.20	19.18	19.18
	100%	/	20.50	19.02	19.06	19.06
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				26865/831.5	26915/836.5	26965/841.5
QPSK	1	Low	23.50	22.42	22.54	22.31
		Middle		22.59	22.55	22.49
		High		22.31	22.41	22.42
	50%	Low	22.50	21.38	21.27	21.31
		Middle		21.43	21.41	21.35
		High		21.40	21.37	21.32

	100%	/	22.50	21.41	21.35	21.33
16QAM	1	Low	22.50	21.40	21.30	21.28
		Middle		21.22	21.33	21.32
		High		21.31	21.31	21.27
	50%	Low	21.50	20.37	20.40	20.32
		Middle		20.45	20.39	20.36
		High		20.47	20.35	20.38
	100%	/	21.50	20.41	20.45	20.34
64QAM	1	Low	21.50	20.23	20.33	20.21
		Middle		20.31	20.29	20.25
		High		20.17	20.31	20.21
	50%	Low	20.50	19.17	19.11	19.33
		Middle		19.08	19.16	19.29
		High		19.11	19.13	19.22
	100%	/	20.50	19.13	19.20	19.17

Table 13.4-12: The conducted power for LTE Band 30

Full power						
LTE B30			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				27685/2307.5	27710/2310	27735/2312.5
QPSK	1	Low	23.50	22.84	22.83	22.81
		Middle		22.92	22.93	22.89
		High		22.78	22.77	22.39
	50%	Low	22.50	21.74	21.79	21.86
		Middle		21.85	21.83	21.82
		High		21.76	21.71	21.67
	100%	/	22.50	21.77	21.76	21.74
16QAM	1	Low	22.50	21.78	21.81	21.96
		Middle		21.89	21.90	22.02
		High		21.76	21.78	21.79
	50%	Low	22.50	20.72	20.79	20.93
		Middle		20.84	20.76	20.88
		High		20.79	20.66	20.74
	100%	/	22.50	20.78	20.80	20.75
64QAM	1	Low	22.50	21.83	22.15	22.35
		Middle		21.89	22.25	22.41
		High		21.77	22.11	22.27
	50%	Low	21.50	20.82	20.99	20.87
		Middle		20.89	20.98	20.86

		High		20.89	20.88	20.72
	100%	/	21.50	20.89	20.86	20.85
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				/	27710/2310	/
QPSK	1	Low	23.50	/	22.82	/
		Middle		/	**22.87**	/
		High		/	22.60	/
	50%	Low	22.50	/	**21.81**	/
		Middle		/	21.79	/
		High		/	21.63	/
	100%	/	22.50	/	**21.76**	/
16QAM	1	Low	22.50	/	21.90	/
		Middle		/	21.90	/
		High		/	21.74	/
	50%	Low	22.50	/	20.82	/
		Middle		/	20.87	/
		High		/	20.64	/
	100%	/	22.50	/	20.72	/
64QAM	1	Low	22.50	/	21.85	/
		Middle		/	21.89	/
		High		/	21.81	/
	50%	Low	21.50	/	20.91	/
		Middle		/	20.98	/
		High		/	20.81	/
	100%	/	21.50	/	20.81	/

Table 13.4-13: The conducted power for LTE Band 38

Full power						
LTE B38			**Maximum Conducted Power (dBm)**			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				37775/2572.5	38000/2595	38225/2617.5
QPSK	1	Low	23.50	21.92	22.02	21.99
		Middle		22.23	22.29	22.07
		High		22.18	21.99	21.89
	50%	Low	22.50	21.06	21.11	21.13
		Middle		21.19	21.19	21.09
		High		21.07	21.05	21.10
	100%	/	22.50	21.16	21.13	21.08
16QAM	1	Low	22.50	21.17	21.11	20.98

		Middle		21.19	21.32	21.22
		High		21.13	21.14	21.22
	50%	Low	21.50	20.05	20.20	20.21
		Middle		20.18	20.20	20.16
		High		20.05	20.28	20.11
	100%	/	21.50	20.25	20.18	20.11
64QAM	1	Low	21.50	20.17	20.26	20.05
		Middle		20.17	20.26	20.19
		High		20.27	20.34	20.30
	50%	Low	20.50	19.16	19.22	19.13
		Middle		19.20	19.26	19.27
		High		19.14	19.18	19.18
	100%	/	20.50	19.12	19.20	19.09
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				37800/2575	38000/2595	38200/2615
QPSK	1	Low	23.50	21.98	22.01	21.92
		Middle		22.27	22.31	22.12
		High		22.08	22.00	21.99
	50%	Low	22.50	20.99	21.03	21.08
		Middle		21.22	21.06	21.10
		High		21.10	21.01	21.20
	100%	/	22.50	21.20	21.24	21.04
16QAM	1	Low	22.50	21.15	21.03	21.06
		Middle		21.28	21.13	21.19
		High		21.10	21.04	21.16
	50%	Low	21.50	20.14	20.19	20.14
		Middle		20.23	20.13	20.10
		High		20.08	20.07	20.04
	100%	/	21.50	20.03	20.10	20.02
64QAM	1	Low	21.50	20.19	20.30	20.24
		Middle		20.20	20.31	20.22
		High		20.26	20.41	20.33
	50%	Low	20.50	19.19	19.27	19.13
		Middle		19.22	19.30	19.30
		High		19.22	19.23	19.22
	100%	/	20.50	19.20	19.25	19.13
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				37825/2577.5	38000/2595	38175/2612.5
QPSK	1	Low	23.50	22.00	22.05	21.94
		Middle		22.21	22.32	22.15

		High		22.11	22.05	21.97
	50%	Low	22.50	21.01	21.04	21.06
		Middle		21.19	21.24	21.09
		High		21.08	21.09	21.16
	100%	/	22.50	21.13	21.13	21.04
16QAM	1	Low	22.50	21.19	21.18	21.22
		Middle		21.21	21.31	21.29
		High		21.17	21.14	21.23
	50%	Low	21.50	20.11	20.08	20.23
		Middle		20.21	20.26	20.20
		High		20.06	20.16	20.15
	100%	/	21.50	20.15	20.18	20.17
64QAM	1	Low	21.50	20.19	20.23	20.27
		Middle		20.21	20.28	20.20
		High		20.32	20.40	20.34
	50%	Low	20.50	19.23	19.31	19.14
		Middle		19.25	19.27	19.29
		High		19.26	19.19	19.11
	100%	/	20.50	19.04	19.02	18.95
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				37850/2580	38000/2595	38150/2610
QPSK	1	Low	23.50	22.07	22.09	21.97
		Middle		22.35	**22.36**	22.17
		High		22.18	22.06	22.08
	50%	Low	22.50	21.09	21.12	21.15
		Middle		**21.22**	21.20	21.17
		High		21.16	21.14	21.12
	100%	/	22.50	21.15	**21.20**	21.13
16QAM	1	Low	22.50	21.08	21.14	21.13
		Middle		21.22	21.33	21.25
		High		21.15	21.16	21.21
	50%	Low	21.50	20.08	20.17	20.20
		Middle		20.14	20.25	20.17
		High		20.03	20.16	20.11
	100%	/	21.50	20.13	20.19	20.14
64QAM	1	Low	21.50	20.17	20.24	20.22
		Middle		20.19	20.26	20.21
		High		20.23	20.31	20.30
	50%	Low	20.50	19.15	19.18	19.09
		Middle		19.18	19.20	19.25
		High		19.14	19.11	19.17

	100%	/	20.50	19.12	19.13	19.08

Table 13.4-14: The conducted power for LTE Band 40 (2305MHz-2315MHz)

Full power						
LTE B40			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				38725/2307.5	38750/2310	38775/2312.5
QPSK	1	Low	23.50	22.79	22.71	22.73
		Middle		22.89	22.83	22.83
		High		22.75	22.68	22.69
	50%	Low	22.50	21.69	21.66	21.70
		Middle		21.80	21.76	21.75
		High		21.79	21.74	21.71
	100%	/	22.50	21.77	21.71	21.72
16QAM	1	Low	22.50	21.95	21.67	21.73
		Middle		22.08	21.81	21.84
		High		21.91	21.66	21.70
	50%	Low	22.50	20.75	20.69	20.64
		Middle		20.80	20.74	20.68
		High		20.82	20.70	20.66
	100%	/	22.50	20.70	20.72	20.76
64QAM	1	Low	22.50	21.81	22.10	22.30
		Middle		21.93	22.25	22.40
		High		21.81	22.10	22.26
	50%	Low	21.50	20.78	20.87	20.69
		Middle		20.85	20.93	20.76
		High		20.83	20.91	20.72
	100%	/	21.50	20.85	20.82	20.76
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				/	38750/2310	/
QPSK	1	Low	23.50	/	22.83	/
		Middle		/	22.88	/
		High		/	22.74	/
	50%	Low	22.50	/	21.70	/
		Middle		/	21.79	/
		High		/	21.75	/
	100%	/	22.50	/	21.75	/
16QAM	1	Low	22.50	/	21.89	/
		Middle		/	21.90	/

		High		/	21.80	/
	50%	Low	22.50	/	20.70	/
		Middle		/	20.78	/
		High		/	20.76	/
	100%	/	22.50	/	20.72	/
64QAM	1	Low	22.50	/	21.81	/
		Middle		/	21.82	/
		High		/	21.73	/
	50%	Low	21.50	/	20.83	/
		Middle		/	20.91	/
		High		/	20.90	/
	100%	/	21.50	/	20.82	/

Table 13.4-15: The conducted power for LTE Band 40 (2350MHz-2360MHz)

Full power						
LTE B40			**Maximum Conducted Power (dBm)**			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				39175/2352.5	39200/2355	39225/2357.5
QPSK	1	Low	23.50	22.77	22.79	22.80
		Middle		22.91	22.95	22.95
		High		22.75	22.77	22.83
	50%	Low	22.50	21.76	21.77	21.78
		Middle		21.82	21.82	21.83
		High		21.79	21.80	21.79
	100%	/	22.50	21.79	21.79	21.76
16QAM	1	Low	22.50	21.72	21.81	21.98
		Middle		21.90	21.94	22.13
		High		21.75	21.79	21.99
	50%	Low	22.50	20.79	20.73	20.85
		Middle		20.81	20.78	20.90
		High		20.78	20.73	20.84
	100%	/	22.50	20.77	20.83	20.75
64QAM	1	Low	22.50	21.59	21.95	22.13
		Middle		21.72	22.07	22.26
		High		21.61	21.97	22.11
	50%	Low	21.50	20.61	20.69	20.54
		Middle		20.65	20.75	20.57
		High		20.60	20.73	20.52
	100%	/	21.50	20.65	20.65	20.59
Modulation	RB	RB Offset	Tune up	10MHz		

				Channel/Frequency(MHz)		
				/	39200/2355	/
QPSK	1	Low	23.50	/	22.68	/
		Middle		/	22.74	/
		High		/	22.62	/
	50%	Low	22.50	/	21.55	/
		Middle		/	21.58	/
		High		/	21.52	/
	100%	/	22.50	/	21.56	/
16QAM	1	Low	22.50	/	21.71	/
		Middle		/	21.73	/
		High		/	21.67	/
	50%	Low	22.50	/	20.56	/
		Middle		/	20.62	/
		High		/	20.58	/
	100%	/	22.50	/	20.55	/
64QAM	1	Low	22.50	/	21.58	/
		Middle		/	21.62	/
		High		/	21.58	/
	50%	Low	21.50	/	20.65	/
		Middle		/	20.73	/
		High		/	20.69	/
	100%	/	21.50	/	20.63	/

Table 13.4-16: The conducted power for LTE Band 41

Full power								
LTE B41			**Maximum Conducted Power (dBm)**					
Modulation	RB	RB Offset	Tune up	5MHz				
				Channel/Frequency(MHz)				
				39675/2498.5	40148/2545.8	40620/2593	41093/2640.3	41565/2687.5
QPSK	1	Low	23.50	22.14	22.15	22.13	22.01	22.29
		Middle		22.45	22.36	22.51	22.24	22.50
		High		22.45	22.15	22.04	22.22	22.17
	50%	Low	22.50	21.20	21.32	21.49	21.37	21.48
		Middle		21.49	21.43	21.61	21.42	21.57
		High		21.45	21.34	21.19	21.38	21.62
	100%	/	22.50	21.39	21.34	21.05	21.27	21.39
16QAM	1	Low	22.50	20.96	21.12	20.97	21.18	21.07
		Middle		21.06	21.20	21.14	21.23	21.23
		High		21.17	21.12	21.16	21.13	21.15
	50%	Low	21.50	20.08	20.22	20.06	20.19	20.16

		Middle		20.23	20.18	20.20	20.10	20.28
		High		20.20	20.33	20.22	20.29	20.34
	100%	/	21.50	20.28	20.18	20.19	20.15	20.20
64QAM	1	Low	21.50	20.14	20.21	20.11	20.40	20.28
		Middle		20.19	20.18	20.19	20.31	20.29
		High		20.28	20.24	20.27	20.26	20.15
	50%	Low	20.50	19.21	19.13	19.30	19.45	19.47
		Middle		19.32	19.33	19.25	19.38	19.28
		High		19.17	19.18	19.21	19.38	19.19
	100%	/	20.50	19.29	19.17	19.20	19.15	19.37
Modulation	RB	RB Offset	Tune up	10MHz				
				Channel/Frequency(MHz)				
				39700/2501	40160/2547	40620/2593	41080/2639	41540/2685
QPSK	1	Low	23.50	22.25	22.14	22.06	22.00	22.22
		Middle		22.49	22.41	22.43	22.21	22.50
		High		22.35	22.19	22.01	22.21	22.22
	50%	Low	22.50	21.21	21.27	21.28	21.27	21.41
		Middle		21.57	21.33	21.46	21.27	21.56
		High		21.48	21.41	21.29	21.34	21.70
	100%	/	22.50	21.48	21.53	21.06	21.43	21.38
16QAM	1	Low	22.50	20.91	21.04	21.02	21.07	21.18
		Middle		21.04	21.01	21.11	20.98	21.23
		High		21.03	21.02	21.16	21.08	21.12
	50%	Low	21.50	20.09	20.16	20.05	20.21	20.12
		Middle		20.20	20.03	20.12	20.06	20.25
		High		20.18	19.99	20.13	20.06	20.30
	100%	/	21.50	20.14	20.02	20.18	20.13	20.13
64QAM	1	Low	21.50	20.19	20.25	20.25	20.42	20.44
		Middle		20.17	20.26	20.14	20.34	20.37
		High		20.22	20.34	20.22	20.31	20.23
	50%	Low	20.50	19.19	19.26	19.22	19.50	19.52
		Middle		19.34	19.45	19.20	19.39	19.39
		High		19.20	19.31	19.17	19.40	19.31
	100%	/	20.50	19.32	19.30	19.16	19.17	19.41
Modulation	RB	RB Offset	Tune up	15MHz				
				Channel/Frequency(MHz)				
				39725/2503.5	40173/2548.3	40620/2593	41068/2637.8	41515/2682.5
QPSK	1	Low	23.50	22.22	22.18	22.08	22.04	22.24
		Middle		22.43	22.42	22.54	22.22	22.53
		High		22.30	22.16	22.04	22.15	22.17
	50%	Low	22.50	21.18	21.20	21.34	21.17	21.33
		Middle		21.57	21.51	21.61	21.42	21.57

		High		21.54	21.41	21.28	21.34	21.63
	100%	/	22.50	21.49	21.34	21.09	21.24	21.35
16QAM	1	Low	22.50	21.11	21.19	21.29	21.25	21.31
		Middle		21.10	21.19	21.29	21.22	21.33
		High		21.18	21.09	21.20	21.21	21.14
	50%	Low	21.50	20.14	20.02	20.11	20.13	20.16
		Middle		20.26	20.19	20.19	20.22	20.30
		High		20.21	20.16	20.21	20.23	20.36
	100%	/	21.50	20.18	20.18	20.25	20.23	20.26
64QAM	1	Low	21.50	20.11	20.26	20.28	20.37	20.45
		Middle		20.10	20.23	20.23	20.33	20.38
		High		20.20	20.25	20.26	20.19	20.16
	50%	Low	20.50	19.15	19.22	19.26	19.43	19.45
		Middle		19.24	19.34	19.22	19.28	19.30
		High		19.24	19.27	19.09	19.28	19.12
	100%	/	20.50	19.16	19.07	18.98	18.86	19.15
Modulation	RB	RB Offset	Tune up	20MHz				
				Channel/Frequency(MHz)				
				39750/2506	40185/2549.5	40620/2593	41055/2636.5	41490/2680
QPSK	1	Low	23.50	22.29	22.22	22.11	22.08	22.27
		Middle		22.52	22.46	**22.56**	22.26	22.55
		High		22.40	22.25	22.18	22.24	22.31
	50%	Low	22.50	21.26	21.36	21.43	21.33	21.45
		Middle		21.52	21.47	**21.61**	21.38	21.60
		High		21.54	21.46	21.21	21.39	21.59
	100%	/	22.50	21.43	21.41	21.15	21.31	**21.44**
16QAM	1	Low	22.50	21.09	21.15	21.17	21.18	21.22
		Middle		21.06	21.21	21.25	21.21	21.26
		High		21.16	21.14	21.26	21.23	21.17
	50%	Low	21.50	20.11	20.14	20.16	20.22	20.18
		Middle		20.19	20.18	20.24	20.21	20.32
		High		20.18	20.16	20.25	20.23	20.37
	100%	/	21.50	20.16	20.11	20.22	20.19	20.20
64QAM	1	Low	21.50	20.09	20.19	20.23	20.33	20.37
		Middle		20.16	20.21	20.16	20.26	20.31
		High		20.22	20.27	20.25	20.21	20.18
	50%	Low	20.50	19.18	19.20	19.24	19.41	19.46
		Middle		19.28	19.38	19.21	19.32	19.32
		High		19.15	19.22	19.18	19.31	19.24
	100%	/	20.50	19.27	19.21	19.17	19.08	19.34

Table 13.4-17: The conducted power for LTE Band 41 (ISED)

Full power								
LTE B41			Maximum Conducted Power (dBm)					
Modulation	RB	RB Offset	Tune up	5MHz				
				Channel/Frequency(MHz)				
				39715/2502.5	40148/2545.8	40620/2593	41093/2640.3	41565/2687.5
QPSK	1	Low	23.50	22.22	22.15	22.13	22.01	22.29
		Middle		22.42	22.36	22.51	22.24	22.50
		High		22.43	22.15	22.04	22.22	22.17
	50%	Low	22.50	21.31	21.32	21.49	21.37	21.48
		Middle		21.52	21.43	21.61	21.42	21.57
		High		21.40	21.34	21.19	21.38	21.62
	100%	/	22.50	21.30	21.34	21.05	21.27	21.39
16QAM	1	Low	22.50	21.60	21.12	20.97	21.18	21.07
		Middle		21.62	21.20	21.14	21.23	21.23
		High		21.45	21.12	21.16	21.13	21.15
	50%	Low	21.50	20.32	20.22	20.06	20.19	20.16
		Middle		20.54	20.18	20.20	20.10	20.28
		High		20.43	20.33	20.22	20.29	20.34
	100%	/	21.50	20.50	20.18	20.19	20.15	20.20
64QAM	1	Low	21.50	20.27	20.21	20.11	20.40	20.28
		Middle		20.24	20.18	20.19	20.31	20.29
		High		20.28	20.24	20.27	20.26	20.15
	50%	Low	20.50	19.24	19.13	19.30	19.45	19.47
		Middle		19.14	19.33	19.25	19.38	19.28
		High		19.10	19.18	19.21	19.38	19.19
	100%	/	20.50	19.09	19.17	19.20	19.15	19.37
Modulation	RB	RB Offset	Tune up	10MHz				
				Channel/Frequency(MHz)				
				39740/2505	40160/2547	40620/2593	41080/2639	41540/2685
QPSK	1	Low	23.50	22.33	22.14	22.06	22.00	22.22
		Middle		22.41	22.41	22.43	22.21	22.50
		High		22.33	22.19	22.01	22.21	22.22
	50%	Low	22.50	21.24	21.27	21.28	21.27	21.41
		Middle		21.55	21.33	21.46	21.27	21.56
		High		21.43	21.41	21.29	21.34	21.70
	100%	/	22.50	21.39	21.53	21.06	21.43	21.38
16QAM	1	Low	22.50	21.58	21.04	21.02	21.07	21.18
		Middle		21.71	21.01	21.11	20.98	21.23
		High		21.42	21.02	21.16	21.08	21.12
	50%	Low	21.50	20.36	20.16	20.05	20.21	20.12
		Middle		20.59	20.03	20.12	20.06	20.25

		High		20.46	19.99	20.13	20.06	20.30
	100%	/	21.50	20.33	20.02	20.18	20.13	20.13
64QAM	1	Low	21.50	20.34	20.25	20.25	20.42	20.44
		Middle		20.27	20.26	20.14	20.34	20.37
		High		20.22	20.34	20.22	20.31	20.23
	50%	Low	20.50	19.22	19.26	19.22	19.50	19.52
		Middle		19.16	19.45	19.20	19.39	19.39
		High		19.18	19.31	19.17	19.40	19.31
	100%	/	20.50	19.17	19.30	19.16	19.17	19.41
Modulation	RB	RB Offset	Tune up	15MHz				
				Channel/Frequency(MHz)				
				39765/2507.5	40173/2548.3	40620/2593	41068/2637.8	41515/2682.5
QPSK	1	Low	23.50	22.30	22.18	22.08	22.04	22.24
		Middle		22.35	22.42	22.54	22.22	22.53
		High		22.36	22.16	22.04	22.15	22.17
	50%	Low	22.50	21.26	21.20	21.34	21.17	21.33
		Middle		21.57	21.51	21.61	21.42	21.57
		High		21.46	21.41	21.28	21.34	21.63
	100%	/	22.50	21.37	21.34	21.09	21.24	21.35
16QAM	1	Low	22.50	21.67	21.19	21.29	21.25	21.31
		Middle		21.69	21.19	21.29	21.22	21.33
		High		21.44	21.09	21.20	21.21	21.14
	50%	Low	21.50	20.33	20.02	20.11	20.13	20.16
		Middle		20.57	20.19	20.19	20.22	20.30
		High		20.44	20.16	20.21	20.23	20.36
	100%	/	21.50	20.45	20.18	20.25	20.23	20.26
64QAM	1	Low	21.50	20.24	20.26	20.28	20.37	20.45
		Middle		20.18	20.23	20.23	20.33	20.38
		High		20.23	20.25	20.26	20.19	20.16
	50%	Low	20.50	19.21	19.22	19.26	19.43	19.45
		Middle		19.19	19.34	19.22	19.28	19.30
		High		19.22	19.27	19.09	19.28	19.12
	100%	/	20.50	19.01	19.07	18.98	18.86	19.15
Modulation	RB	RB Offset	Tune up	20MHz				
				Channel/Frequency(MHz)				
				39790/2510	40185/2549.5	40620/2593	41055/2636.5	41490/2680
QPSK	1	Low	23.50	22.37	22.22	22.11	22.08	22.27
		Middle		22.49	22.46	22.56	22.26	22.55
		High		22.43	22.25	22.18	22.24	22.31
	50%	Low	22.50	21.34	21.36	21.43	21.33	21.45
		Middle		21.55	21.47	21.61	21.38	21.60
		High		21.49	21.46	21.21	21.39	21.59

	100%	/	22.50	21.34	21.41	21.15	21.31	21.44
16QAM	1	Low	22.50	21.42	21.15	21.17	21.18	21.22
		Middle		21.65	21.21	21.25	21.21	21.26
		High		21.47	21.14	21.26	21.23	21.17
	50%	Low	21.50	20.35	20.14	20.16	20.22	20.18
		Middle		20.55	20.18	20.24	20.21	20.32
		High		20.46	20.16	20.25	20.23	20.37
	100%	/	21.50	20.43	20.11	20.22	20.19	20.20
64QAM	1	Low	21.50	20.27	20.19	20.23	20.33	20.37
		Middle		20.21	20.21	20.16	20.26	20.31
		High		20.22	20.27	20.25	20.21	20.18
	50%	Low	20.50	19.21	19.20	19.24	19.41	19.46
		Middle		19.15	19.38	19.21	19.32	19.32
		High		19.13	19.22	19.18	19.31	19.24
	100%	/	20.50	19.12	19.21	19.17	19.08	19.34

Table 13.4-18: The conducted power for LTE Band 66

Full power						
LTE B66			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				131979/1710.7	132322/1745	132665/1779.3
QPSK	1	Low	23.50	22.20	22.24	22.15
		Middle		22.37	22.40	22.32
		High		21.71	21.58	21.66
	50%	Low	23.50	22.21	22.07	22.17
		Middle		22.35	22.41	22.41
		High		22.27	22.13	22.18
	100%	/	22.50	21.41	21.42	21.38
16QAM	1	Low	22.50	21.30	21.46	21.27
		Middle		21.32	21.41	21.38
		High		21.25	21.42	21.35
	50%	Low	22.50	21.13	21.18	21.18
		Middle		21.26	21.14	21.23
		High		21.25	21.24	21.30
	100%	/	21.50	20.18	20.18	20.10
64QAM	1	Low	21.50	20.06	20.14	20.15
		Middle		20.12	20.27	20.15
		High		20.04	20.12	20.05
	50%	Low	21.50	19.92	20.01	19.98
		Middle		19.95	20.08	20.02

		High		19.93	20.06	20.02
	100%	/	20.50	19.08	19.06	19.00
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				131987/1711.5	132322/1745	132657/1778.5
QPSK	1	Low	23.50	22.22	22.12	22.05
		Middle		22.33	22.41	22.40
		High		21.68	21.61	21.71
	50%	Low	22.50	21.27	21.29	21.24
		Middle		21.41	21.56	21.49
		High		21.45	21.09	21.24
	100%	/	22.50	21.42	21.30	21.37
16QAM	1	Low	22.50	21.48	21.54	21.24
		Middle		21.47	21.47	21.34
		High		21.44	21.38	21.32
	50%	Low	21.50	20.31	20.26	20.24
		Middle		20.37	20.40	20.29
		High		20.39	20.52	20.33
	100%	/	21.50	20.27	20.40	20.23
64QAM	1	Low	21.50	20.15	20.22	20.21
		Middle		20.21	20.20	20.24
		High		20.12	20.21	20.18
	50%	Low	20.50	19.13	19.16	19.22
		Middle		19.23	19.27	19.22
		High		19.12	19.18	19.13
	100%	/	20.50	19.18	19.18	19.07
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				131997/1712.5	132322/1745	132647/1777.5
QPSK	1	Low	23.50	22.12	22.14	22.13
		Middle		22.38	22.49	22.42
		High		21.79	21.69	21.64
	50%	Low	22.50	21.34	21.27	21.33
		Middle		21.47	21.59	21.48
		High		21.35	21.17	21.31
	100%	/	22.50	21.35	21.25	21.29
16QAM	1	Low	22.50	21.33	21.38	21.17
		Middle		21.35	21.37	21.37
		High		21.31	21.34	21.36
	50%	Low	21.50	20.17	20.30	20.27
		Middle		20.34	20.29	20.28
		High		20.36	20.54	20.34

	100%	/	21.50	20.32	20.33	20.15
64QAM	1	Low	21.50	20.12	20.22	20.01
		Middle		20.27	20.25	20.21
		High		20.22	20.22	20.08
	50%	Low	20.50	19.14	19.09	19.17
		Middle		19.17	19.16	19.18
		High		19.06	19.07	19.06
	100%	/	20.50	19.13	19.05	18.99
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				132022/1715	132322/1745	132622/1775
QPSK	1	Low	23.50	22.23	22.13	22.06
		Middle		22.42	22.46	22.42
		High		21.69	21.65	21.63
	50%	Low	22.50	21.27	21.14	21.17
		Middle		21.44	21.41	21.38
		High		21.27	21.16	21.36
	100%	/	22.50	21.39	21.50	21.25
16QAM	1	Low	22.50	21.28	21.44	21.25
		Middle		21.41	21.32	21.37
		High		21.28	21.41	21.36
	50%	Low	21.50	20.32	20.38	20.26
		Middle		20.39	20.25	20.28
		High		20.39	20.25	20.33
	100%	/	21.50	20.18	20.14	20.11
64QAM	1	Low	21.50	20.14	20.12	20.20
		Middle		20.27	20.16	20.24
		High		20.18	20.21	20.08
	50%	Low	20.50	19.17	19.14	19.17
		Middle		19.22	19.20	19.21
		High		19.12	19.12	19.13
	100%	/	20.50	19.19	19.13	19.06
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				132047/1717.5	132322/1745	132597/1772.5
QPSK	1	Low	23.50	22.20	22.17	22.08
		Middle		22.30	22.47	22.45
		High		21.66	21.70	21.72
	50%	Low	22.50	21.23	21.15	21.26
		Middle		21.41	21.59	21.48
		High		21.33	21.10	21.32
	100%	/	22.50	21.46	21.25	21.25

16QAM	1	Low	22.50	21.46	21.45	21.41
		Middle		21.48	21.36	21.44
		High		21.41	21.42	21.40
	50%	Low	21.50	20.29	20.27	20.26
		Middle		20.34	20.38	20.29
		High		20.34	20.48	20.35
	100%	/	21.50	20.16	20.36	20.15
64QAM	1	Low	21.50	20.03	20.19	20.12
		Middle		20.17	20.27	20.22
		High		20.13	20.29	20.18
	50%	Low	20.50	19.16	19.21	19.24
		Middle		19.20	19.20	19.26
		High		19.16	19.11	19.08
	100%	/	20.50	19.03	18.93	18.94
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				132072/1720	132322/1745	132572/1770
QPSK	1	Low	23.50	22.27	22.21	22.11
		Middle		22.45	22.51	22.47
		High		21.74	21.71	21.78
	50%	Low	22.50	21.32	21.23	21.30
		Middle		21.45	21.55	21.51
		High		21.39	21.21	21.28
	100%	/	22.50	21.40	21.38	21.34
16QAM	1	Low	22.50	21.43	21.47	21.32
		Middle		21.41	21.44	21.40
		High		21.36	21.45	21.38
	50%	Low	21.50	20.23	20.31	20.29
		Middle		20.27	20.32	20.32
		High		20.31	20.40	20.37
	100%	/	21.50	20.20	20.29	20.18
64QAM	1	Low	21.50	20.07	20.12	20.13
		Middle		20.21	20.17	20.18
		High		20.13	20.20	20.09
	50%	Low	20.50	19.08	19.11	19.14
		Middle		19.13	19.16	19.17
		High		19.04	19.06	19.09
	100%	/	20.50	19.11	19.07	19.02
Sensor on						
LTE B66			**Maximum Conducted Power (dBm)**			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		

				131979/1710.7	132322/1745	132665/1779.3
QPSK	1	Low	18.50	17.70	17.75	17.53
		Middle		17.66	17.82	17.75
		High		17.53	17.48	17.43
	50%	Low	18.50	17.60	17.64	17.54
		Middle		17.74	17.88	17.74
		High		17.75	17.49	17.66
	100%	/	18.50	17.64	17.50	17.55
16QAM	1	Low	18.50	17.62	17.59	17.48
		Middle		17.72	17.58	17.49
		High		17.59	17.48	17.49
	50%	Low	18.50	17.62	17.47	17.50
		Middle		17.58	17.64	17.47
		High		17.61	17.59	17.58
	100%	/	18.50	17.63	17.66	17.66
64QAM	1	Low	18.50	17.62	17.61	17.58
		Middle		17.72	17.71	17.57
		High		17.56	17.62	17.63
	5	Low	18.50	17.61	17.61	17.60
		Middle		17.62	17.44	17.57
		High		17.71	17.48	17.42
	100%	/	18.50	17.44	17.49	17.39
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				131987/1711.5	132322/1745	132657/1778.5
QPSK	1	Low	18.50	17.77	17.79	17.56
		Middle		17.75	17.86	17.77
		High		17.47	17.41	17.41
	50%	Low	18.50	17.63	17.72	17.58
		Middle		17.72	17.84	17.77
		High		17.78	17.54	17.62
	100%	/	18.50	17.61	17.57	17.64
16QAM	1	Low	18.50	17.69	17.63	17.47
		Middle		17.68	17.60	17.45
		High		17.71	17.45	17.47
	50%	Low	18.50	17.61	17.46	17.45
		Middle		17.67	17.58	17.42
		High		17.61	17.54	17.52
	100%	/	18.50	17.61	17.62	17.63
64QAM	1	Low	18.50	17.67	17.64	17.53
		Middle		17.70	17.64	17.53
		High		17.63	17.59	17.59

	50%	Low	18.50	17.56	17.51	17.55
		Middle		17.62	17.57	17.53
		High		17.66	17.59	17.48
	100%	/	18.50	17.55	17.63	17.52
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				131997/1712.5	132322/1745	132647/1777.5
QPSK	1	Low	18.50	17.67	17.81	17.64
		Middle		17.72	17.83	17.68
		High		17.58	17.44	17.31
	50%	Low	18.50	17.70	17.65	17.64
		Middle		17.73	17.79	17.70
		High		17.76	17.62	17.71
	100%	/	18.50	17.62	17.64	17.64
16QAM	1	Low	18.50	17.57	17.51	17.40
		Middle		17.59	17.54	17.48
		High		17.71	17.45	17.51
	50%	Low	18.50	17.53	17.54	17.48
		Middle		17.66	17.45	17.41
		High		17.58	17.57	17.53
	100%	/	18.50	17.69	17.58	17.55
64QAM	1	Low	18.50	17.64	17.64	17.33
		Middle		17.67	17.65	17.50
		High		17.64	17.59	17.53
	50%	Low	18.50	17.54	17.49	17.54
		Middle		17.57	17.54	17.47
		High		17.63	17.56	17.42
	100%	/	18.50	17.53	17.61	17.45
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				132022/1715	132322/1745	132622/1775
QPSK	1	Low	18.50	17.78	17.80	17.57
		Middle		17.84	17.88	17.76
		High		17.48	17.42	17.36
	50%	Low	18.50	17.63	17.54	17.54
		Middle		17.81	17.63	17.66
		High		17.66	17.50	17.68
	100%	/	18.50	17.64	17.72	17.52
16QAM	1	Low	18.50	17.47	17.40	17.40
		Middle		17.68	17.40	17.45
		High		17.68	17.43	17.48
	50%	Low	18.50	17.62	17.56	17.44

		Middle		17.71	17.41	17.38
		High		17.63	17.36	17.49
	100%	/	18.50	17.54	17.45	17.51
64QAM	1	Low	18.50	17.68	17.63	17.52
		Middle		17.70	17.65	17.53
		High		17.63	17.61	17.56
	50%	Low	18.50	17.57	17.54	17.56
		Middle		17.59	17.58	17.52
		High		17.64	17.61	17.48
	100%	/	18.50	17.54	17.66	17.51
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				132047/1717.5	132322/1745	132597/1772.5
QPSK	1	Low	18.50	17.75	17.84	17.59
		Middle		17.78	17.89	17.79
		High		17.51	17.47	17.39
	50%	Low	18.50	17.65	17.55	17.57
		Middle		17.78	17.81	17.70
		High		17.67	17.55	17.64
	100%	/	18.50	17.60	17.58	17.52
16QAM	1	Low	18.50	17.62	17.60	17.64
		Middle		17.64	17.55	17.55
		High		17.73	17.53	17.55
	50%	Low	18.50	17.57	17.45	17.55
		Middle		17.67	17.54	17.50
		High		17.61	17.48	17.62
	100%	/	18.50	17.61	17.56	17.63
64QAM	1	Low	18.50	17.63	17.59	17.52
		Middle		17.68	17.67	17.53
		High		17.66	17.60	17.57
	50%	Low	18.50	17.58	17.58	17.55
		Middle		17.59	17.55	17.49
		High		17.70	17.57	17.35
	100%	/	18.50	17.40	17.43	17.31
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				132072/1720	132322/1745	132572/1770
QPSK	1	Low	18.50	17.82	17.88	17.62
		Middle		17.87	17.93	17.81
		High		17.61	17.56	17.53
	50%	Low	18.50	17.76	17.71	17.69
		Middle		17.84	17.85	17.81

		High		17.80	17.68	17.68
	100%	/	18.50	17.67	17.73	17.69
16QAM	1	Low	18.50	17.52	17.56	17.55
		Middle		17.62	17.57	17.51
		High		17.73	17.52	17.53
	50%	Low	18.50	17.56	17.51	17.52
		Middle		17.62	17.50	17.47
		High		17.58	17.45	17.58
	100%	/	18.50	17.59	17.54	17.60
64QAM	1	Low	18.50	17.61	17.57	17.47
		Middle		17.66	17.60	17.49
		High		17.60	17.54	17.53
	50%	Low	18.50	17.53	17.48	17.50
		Middle		17.55	17.51	17.45
		High		17.61	17.52	17.41
	100%	/	18.50	17.51	17.57	17.44

Table 13.4-19: The conducted power for LTE Band 71

Full power						
LTE B71			**Maximum Conducted Power (dBm)**			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				133147/665.5	133297/680.5	133447/695.5
QPSK	1	Low	23.50	21.83	21.94	21.97
		Middle		22.09	22.22	22.09
		High		22.10	22.05	21.86
	50%	Low	22.50	21.10	21.14	21.12
		Middle		21.16	21.09	21.04
		High		21.10	21.21	21.24
	100%	/	22.50	21.10	21.17	21.15
16QAM	1	Low	22.50	21.26	21.32	21.16
		Middle		21.28	21.48	21.46
		High		21.41	21.37	21.35
	50%	Low	21.50	20.25	20.18	20.17
		Middle		20.42	20.16	20.21
		High		20.27	20.32	20.26
	100%	/	21.50	20.34	20.19	20.13
64QAM	1	Low	21.50	20.28	20.31	20.05
		Middle		20.39	20.41	20.35
		High		20.35	20.34	20.29
	50%	Low	20.50	19.31	19.28	19.24

		Middle		19.37	19.25	19.38
		High		19.37	19.47	19.33
	100%	/	20.50	19.30	19.37	19.30
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				133172/668	133297/680.5	133422/693
QPSK	1	Low	23.50	21.94	21.93	21.90
		Middle		22.19	22.19	22.09
		High		22.06	22.07	21.97
	50%	Low	22.50	21.07	21.07	21.08
		Middle		21.23	20.91	21.06
		High		21.14	21.09	21.29
	100%	/	22.50	21.20	21.25	21.11
16QAM	1	Low	22.50	21.24	21.21	21.24
		Middle		21.39	21.28	21.43
		High		21.40	21.37	21.32
	50%	Low	21.50	20.40	20.28	20.11
		Middle		20.53	20.20	20.18
		High		20.36	20.17	20.22
	100%	/	21.50	20.17	20.12	20.09
64QAM	1	Low	21.50	20.22	20.22	20.16
		Middle		20.34	20.39	20.44
		High		20.28	20.36	20.38
	50%	Low	20.50	19.28	19.33	19.30
		Middle		19.39	19.29	19.41
		High		19.40	19.52	19.37
	100%	/	20.50	19.33	19.42	19.34
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				133197/670.5	133297/680.5	133397/690.5
QPSK	1	Low	23.50	21.91	21.97	21.92
		Middle		22.13	22.20	22.12
		High		22.09	22.06	22.00
	50%	Low	22.50	21.11	21.02	21.11
		Middle		21.22	21.09	21.10
		High		21.19	21.12	21.25
	100%	/	22.50	21.20	21.15	21.11
16QAM	1	Low	22.50	21.35	21.37	21.40
		Middle		21.37	21.47	21.53
		High		21.41	21.45	21.39
	50%	Low	21.50	20.31	20.15	20.26
		Middle		20.43	20.33	20.28

		High		20.26	20.31	20.33
	100%	/	21.50	20.22	20.25	20.19
64QAM	1	Low	21.50	20.21	20.26	20.14
		Middle		20.36	20.41	20.36
		High		20.33	20.33	20.31
	50%	Low	20.50	19.31	19.35	19.23
		Middle		19.37	19.20	19.40
		High		19.44	19.42	19.26
	100%	/	20.50	19.17	19.13	19.16
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				133222/673	133322/683	133372/688
QPSK	1	Low	23.50	21.98	22.01	21.95
		Middle		22.22	22.24	22.14
		High		22.11	22.13	22.06
	50%	Low	22.50	21.14	21.16	21.15
		Middle		21.20	21.11	21.13
		High		21.22	21.25	21.21
	100%	/	22.50	21.17	21.24	21.20
16QAM	1	Low	22.50	21.21	21.35	21.31
		Middle		21.33	21.51	21.49
		High		21.45	21.44	21.37
	50%	Low	21.50	20.34	20.21	20.25
		Middle		20.44	20.27	20.33
		High		20.31	20.26	20.37
	100%	/	21.50	20.28	20.21	20.24
64QAM	1	Low	21.50	20.21	20.22	20.17
		Middle		20.34	20.40	20.38
		High		20.27	20.33	20.31
	50%	Low	20.50	19.26	19.31	19.22
		Middle		19.31	19.20	19.32
		High		19.33	19.41	19.28
	100%	/	20.50	19.26	19.31	19.25

13.5 BT Measurement result

Table 13.5-1: The conducted power for Bluetooth

BlueTooth	Maximum Output Power (dBm)					
Channel/Frequency(MHz)	0/2402		39/2441		78/2480	
Mode	Tune up	Output Power	Tune up	Output Power	Tune up	Output Power
DH5	10.00	8.75	11.00	10.03	10.00	9.21
2DH5	10.00	8.01	10.00	9.22	10.00	8.81
3DH5	10.00	8.03	10.00	9.17	10.00	8.79
Mode	Channel/Frequency(MHz)		Tune up		Output Power	
BLE 1M	0/2402		-1.00		-2.66	
	19/2440		-1.00		-1.86	
	39/2480		-2.00		-3.64	
BLE 2M	0/2402		-1.00		-2.81	
	19/2440		-1.00		-2.02	
	39/2480		-2.00		-3.67	

13.6 Wi-Fi Measurement result

Table 13.6-1: The average conducted power for Wi-Fi 2.4G

Wi-Fi 2.4G			Maximum Conducted Power (dBm)	
Mode	BW	Channel/Frequency(MHz)	Tune up(dBm)	Output Power(dBm)
802.11b	20M	1/2412	18.00	17.17
		6/2437	18.00	16.85
		11/2462	18.00	16.53
802.11g	20M	1/2412	16.50	15.34
		6/2437	16.50	15.31
		11/2462	16.50	15.50
802.11n	20M	1/2412	16.50	15.39
		6/2437	16.50	15.85
		11/2462	16.50	15.39
	40M	3/2422	16.50	15.92
		6/2437	16.50	15.28
		9/2452	16.50	14.86

Table 13.6-2: The average conducted power for Wi-Fi 5G

Wi-Fi 5G				Maximum Conducted Power (dBm)	
	Mode	BW	Channel/Frequency(MHz)	Tune up	Output Power
U-NII-1	802.11a	20M	36/5180	16.00	15.38
			40/5200	16.00	15.05
			48/5240	16.00	15.02
	802.11n	20M	36/5180	15.50	14.80
			40/5200	15.50	14.62
			48/5240	15.50	15.03
		40M	38/5190	15.50	14.35

			46/5230	15.50	14.29
	802.11ac	20M	36/5180	15.50	13.63
			40/5200	15.50	14.51
			48/5240	15.50	13.52
		40M	38/5190	14.00	12.67
			46/5230	14.00	12.98
		80M	42/5210	14.00	12.51
U-NII-2A	802.11a	20M	52/5260	16.00	14.76
			56/5280	16.00	14.85
			64/5320	14.00	13.21
	802.11n	20M	52/5260	15.50	14.36
			56/5280	15.50	14.48
			64/5320	14.00	12.90
		40M	54/5270	15.00	14.20
			62/5310	15.00	13.32
	802.11ac	20M	52/5260	14.50	13.35
			56/5280	14.50	13.47
			64/5320	13.00	11.84
		40M	54/5270	13.50	12.86
			62/5310	13.50	12.08
		80M	58/5290	13.50	12.41
U-NII-2C	802.11a	20M	100/5500	15.00	14.24
			116/5580	15.50	14.74
			140/5700	15.00	14.06
	802.11n	20M	100/5500	15.00	14.30
			116/5580	15.00	14.66

			140/5700	15.00	13.98
		40M	102/5510	13.50	12.42
			110/5550	15.50	14.93
			134/5670	15.00	13.83
	802.11ac	20M	100/5500	14.50	13.28
			116/5580	14.50	13.71
			140/5700	14.50	13.25
		40M	102/5510	12.50	11.52
			110/5550	14.00	13.01
			134/5670	13.00	12.09
		80M	106/5530	12.00	10.71
			122/5610	13.00	12.28
U-NII-3	802.11a	20M	149/5745	15.50	14.65
			157/5785	15.50	14.99
			165/5825	15.50	13.80
	802.11n	20M	149/5745	15.50	14.49
			157/5785	15.50	14.84
			165/5825	14.50	13.67
		40M	151/5755	15.00	14.26
			159/5795	15.00	14.58
	802.11ac	20M	149/5745	14.50	13.30
			157/5785	14.50	13.66
			165/5825	13.50	12.65
		40M	151/5755	13.50	12.07
			159/5795	13.50	12.56
		80M	155/5775	13.50	12.30

13.7 NFC Measurement result

Table 13.7-1: The maximum outpower for NFC

Frequency(MHz)	dBμV/m @3m	EIRP(dBm)	Tune up(dBm)
13.56	67.372	-27.856	-26.50
Note: EIRP(dBm)=Radiated field strength(dBμV/m)+20Log(3)-104.77.			

14 Test Results

14.1 Standalone SAR Test Result

14.1.1 Limit/Criterion

At frequencies between 100 kHz and 6 GHz, the MPE (Maximum Permissible Exposure) in population/ uncontrolled environments for electromagnetic field strengths may be exceeded if

(a) The exposure conditions can be shown by appropriate techniques to produce SARs below 0.08W/kg, as averaged over the whole body, and spatial peak SAR values not exceeding 1.6 W/kg, as averaged over any 1g of tissue (defined as a tissue volume in the shape of a cube), except for the hands, wrists, feet, and ankles where the spatial peak SAR shall not exceed 4 W/kg, as averaged over any 10g of tissue (defined as a tissue volume in the shape of a cube); and

(b) The induced currents in the body confirm with the MPE in table 2, Part B in ANSI/IEEE C95.1-1992.

ISED adopts Health Canada's RF exposure guideline entitled Limits of Human Exposure to Radiofrequency Electromagnetic Energy in the Frequency Range from 3 kHz to 300 GHz (Safety Code 6) and its Notice: Localized human exposure limits for radiofrequency fields in the range of 6 GHz to 300 GHz.

SAR basic restrictions limits (100 kHz to 6 GHz):

Body region	Uncontrolled environment average SAR (W/kg)	Controlled environment average SAR (W/kg)	Averaging time (minutes)	Averaging mass (g)
Whole body	0.08	0.4	6	whole body
Localized head, neck and trunk	1.6	8	6	1
Localized limbs	4	20	6	10

14.1.2 Test Results

Table 14.1.2-1: SAR Values for GSM850

Test Position	Power Reduction	Mode	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
								Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR											
Left Touch	Full power	GSM	190	836.6	32.87	33.50	0.08	0.148	1.16	0.171	/
Left Tilt 15°	Full power	GSM	190	836.6	32.87	33.50	0.08	0.097	1.16	0.113	/
Right Touch	Full power	GSM	190	836.6	32.87	33.50	0.04	0.191	1.16	0.221	/
Right Tilt 15°	Full power	GSM	190	836.6	32.87	33.50	0.07	0.099	1.16	0.115	/
Right Touch	Full power	GSM	128	824.2	32.75	33.50	-0.08	0.163	1.19	0.194	/
Right Touch	Full power	GSM	251	848.8	32.84	33.50	-0.05	0.238	1.16	0.277	A.1-1
Body SAR (Body-worn 10mm)											
Front Side	Full power	GPRS 4TS	190	836.6	27.12	28.00	-0.01	0.137	1.22	0.168	/
Back Side	Full power	GPRS 4TS	190	836.6	27.12	28.00	-0.05	0.373	1.22	0.457	/
Back Side	Full power	GPRS 4TS	128	824.2	26.91	28.00	0.03	0.351	1.29	0.451	/
Back Side	Full power	GPRS 4TS	251	848.8	27.15	28.00	-0.02	0.428	1.22	0.521	/
Body SAR (Hotspot 10mm)											
Front Side	Full power	GPRS 4TS	190	836.6	27.12	28.00	-0.01	0.137	1.22	0.168	/
Back Side	Full power	GPRS 4TS	190	836.6	27.12	28.00	-0.05	0.373	1.22	0.457	/
Left Side	Full power	GPRS 4TS	190	836.6	27.12	28.00	0.02	0.101	1.22	0.124	/
Right Side	Full power	GPRS 4TS	190	836.6	27.12	28.00	-0.11	0.217	1.22	0.266	/
Bottom Side	Full power	GPRS 4TS	190	836.6	27.12	28.00	-0.15	0.269	1.22	0.329	/
Back Side	Full power	GPRS 4TS	128	824.2	26.91	28.00	0.03	0.351	1.29	0.451	/
Back Side	Full power	GPRS 4TS	251	848.8	27.15	28.00	-0.02	0.428	1.22	0.521	A.1-2
Test Position	Power Reduction	Mode	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
								Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)											
Front Side	Full power	GPRS 4TS	190	836.6	27.12	28.00	-0.05	0.345	1.22	0.422	/
Back Side	Full power	GPRS 4TS	190	836.6	27.12	28.00	-0.02	0.661	1.22	0.809	/
Left Side	Full power	GPRS 4TS	190	836.6	27.12	28.00	0.02	0.284	1.22	0.348	/
Right Side	Full power	GPRS 4TS	190	836.6	27.12	28.00	0.03	0.208	1.22	0.255	/
Bottom Side	Full power	GPRS 4TS	190	836.6	27.12	28.00	-0.02	0.700	1.22	0.857	/
Bottom Side	Full power	GPRS 4TS	128	824.2	26.91	28.00	0.03	0.641	1.29	0.824	/
Bottom Side	Full power	GPRS 4TS	251	848.8	27.15	28.00	-0.08	0.752	1.22	0.915	A.1-3

Table 14.1.2-2: SAR Values for PCS1900

Test Position	Power Reduction	Mode	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
								Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR											
Left Touch	Full power	GSM	661	1880	29.68	30.50	0.12	0.086	1.21	0.103	/
Left Tilt 15°	Full power	GSM	661	1880	29.68	30.50	-0.12	0.043	1.21	0.052	/
Right Touch	Full power	GSM	661	1880	29.68	30.50	0.05	0.035	1.21	0.043	/
Right Tilt 15°	Full power	GSM	661	1880	29.68	30.50	-0.04	0.033	1.21	0.040	/
Left Touch	Full power	GSM	512	1850.2	29.89	30.50	0.04	0.108	1.15	0.124	A.1-4
Left Touch	Full power	GSM	810	1909.8	29.57	30.50	0.03	0.072	1.24	0.089	/
Body SAR (Body-worn 10mm)											
Front Side	Full power	GPRS 4TS	661	1880	24.21	25.00	-0.11	0.100	1.20	0.120	/
Back Side	Sensor on	GPRS 2TS	661	1880	26.15	27.00	-0.08	0.438	1.22	0.533	/
Back Side	Sensor on	GPRS 2TS	512	1850.2	26.24	27.00	0.05	0.539	1.19	0.642	/
Back Side	Sensor on	GPRS 2TS	810	1909.8	26.11	27.00	0.06	0.324	1.23	0.398	/
Body SAR (Hotspot 10mm)											
Front Side	Full power	GPRS 4TS	661	1880	24.21	25.00	-0.11	0.100	1.20	0.120	/
Back Side	Sensor on	GPRS 2TS	661	1880	26.15	27.00	-0.08	0.438	1.22	0.533	/
Left Side	Full power	GPRS 4TS	661	1880	24.21	25.00	0.02	0.186	1.20	0.223	/
Right Side	Full power	GPRS 4TS	661	1880	24.21	25.00	0.06	0.010	1.20	0.012	/
Bottom Side	Sensor on	GPRS 2TS	661	1880	26.15	27.00	0.02	0.137	1.22	0.167	/
Back Side	Sensor on	GPRS 2TS	512	1850.2	26.24	27.00	0.05	0.539	1.19	0.642	A.1-5
Back Side	Sensor on	GPRS 2TS	810	1909.8	26.11	27.00	0.06	0.324	1.23	0.398	/
Body SAR Define (Back Side:29mm,Bottom Side:19mm)											
Back Side	Full power	GPRS 4TS	661	1880	24.21	25.00	-0.03	0.219	1.20	0.263	/
Bottom Side	Full power	GPRS 4TS	661	1880	24.21	25.00	0.03	0.144	1.20	0.173	/
Test Position	Power Reduction	Mode	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
								Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)											
Front Side	Full power	GPRS 4TS	661	1880	24.21	25.00	-0.09	0.167	1.20	0.200	/
Back Side	Sensor on	GPRS 2TS	661	1880	26.15	27.00	0.04	0.253	1.22	0.308	/
Left Side	Full power	GPRS 4TS	661	1880	24.21	25.00	0.05	0.556	1.20	0.667	/
Right Side	Full power	GPRS 4TS	661	1880	24.21	25.00	-0.06	0.015	1.20	0.018	/
Bottom Side	Sensor on	GPRS 2TS	661	1880	26.15	27.00	0.04	0.259	1.22	0.315	/
Left Side	Full power	GPRS 4TS	512	1850.2	24.29	25.00	-0.04	0.605	1.18	0.712	A.1-6
Left Side	Full power	GPRS 4TS	810	1909.8	24.19	25.00	0.02	0.551	1.21	0.664	/

Table 14.1.2-3: SAR Values for WCDMA Band II

Test Position	Power Reduction	Mode	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
								Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR											
Left Touch	Full power	RMC12.2k	9400	1880	23.71	24.50	0.06	0.173	1.20	0.208	/
Left Tilt 15°	Full power	RMC12.2k	9400	1880	23.71	24.50	-0.04	0.094	1.20	0.112	/
Right Touch	Full power	RMC12.2k	9400	1880	23.71	24.50	0.01	0.069	1.20	0.083	/
Right Tilt 15°	Full power	RMC12.2k	9400	1880	23.71	24.50	-0.07	0.048	1.20	0.057	/
Left Touch	Full power	RMC12.2k	9262	1852.4	23.92	24.50	0.10	0.184	1.14	0.210	/
Left Touch	Full power	RMC12.2k	9538	1907.6	23.79	24.50	-0.10	0.257	1.18	0.303	A.1-7
Body SAR (Body-worn 10mm)											
Front Side	Full power	RMC12.2k	9400	1880	23.71	24.50	-0.02	0.137	1.20	0.164	/
Back Side	Sensor on	RMC12.2k	9400	1880	19.72	20.50	0.03	0.922	1.20	1.103	/
Back Side	Sensor on	RMC12.2k	9262	1852.4	19.92	20.50	-0.04	1.010	1.14	1.154	/
Back Side	Sensor on	RMC12.2k	9538	1907.6	19.83	20.50	0.08	0.845	1.17	0.986	/
Repeat											
Back Side	Sensor on	RMC12.2k	9262	1852.4	19.92	20.50	0.02	1.000	1.14	1.143	/
Body SAR (Hotspot 10mm)											
Front Side	Full power	RMC12.2k	9400	1880	23.71	24.50	-0.02	0.137	1.20	0.164	/
Back Side	Sensor on	RMC12.2k	9400	1880	19.72	20.50	0.03	0.922	1.20	1.103	/
Left Side	Full power	RMC12.2k	9400	1880	23.71	24.50	0.02	0.330	1.20	0.396	/
Right Side	Full power	RMC12.2k	9400	1880	23.71	24.50	0.05	0.029	1.20	0.034	/
Bottom Side	Sensor on	RMC12.2k	9400	1880	19.72	20.50	0.10	0.244	1.20	0.292	/
Back Side	Sensor on	RMC12.2k	9262	1852.4	19.92	20.50	-0.04	1.010	1.14	1.154	A.1-8
Back Side	Sensor on	RMC12.3k	9538	1907.6	19.83	20.50	0.08	0.845	1.17	0.986	/
Repeat											
Back Side	Sensor on	RMC12.2k	9262	1852.4	19.92	20.50	0.02	1.000	1.14	1.143	/
SIM 2											
Back Side	Sensor on	RMC12.2k	9262	1852.4	19.92	20.50	-0.02	0.995	1.14	1.137	/
Body SAR Define (Back Side:29mm,Bottom Side:19mm)											
Back Side	Full power	RMC12.2k	9400	1880	23.71	24.50	0.08	0.388	1.20	0.465	/
Bottom Side	Full power	RMC12.2k	9400	1880	23.71	24.50	0.04	0.331	1.20	0.397	/
Test Position	Power Reduction	Mode	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
								Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)											
Front Side	Full power	RMC12.2k	9400	1880	23.71	24.50	-0.04	0.279	1.20	0.335	/
Back Side	Sensor on	RMC12.2k	9400	1880	19.72	20.50	0.03	0.725	1.20	0.868	/
Left Side	Full power	RMC12.2k	9400	1880	23.71	24.50	0.04	1.100	1.20	1.319	/
Right Side	Full power	RMC12.2k	9400	1880	23.71	24.50	0.03	0.056	1.20	0.067	/
Bottom Side	Sensor on	RMC12.2k	9400	1880	19.72	20.50	0.07	0.646	1.20	0.773	/
Left Side	Full power	RMC12.2k	9262	1852.4	23.92	24.50	0.06	1.070	1.14	1.223	/
Left Side	Full power	RMC12.3k	9538	1907.6	23.79	24.50	0.05	1.240	1.18	1.460	A.1-9

Table 14.1.2-4: SAR Values for WCDMA Band Ⅳ

Test Position	Power Reduction	Mode	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
								Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR											
Left Touch	Full power	RMC12.2k	1413	1732.6	23.98	24.50	-0.06	0.124	1.13	0.140	/
Left Tilt 15°	Full power	RMC12.2k	1413	1732.6	23.98	24.50	0.02	0.058	1.13	0.065	/
Right Touch	Full power	RMC12.2k	1413	1732.6	23.98	24.50	-0.02	0.048	1.13	0.054	/
Right Tilt 15°	Full power	RMC12.2k	1413	1732.6	23.98	24.50	0.03	0.037	1.13	0.042	/
Left Touch	Full power	RMC12.2k	1312	1712.4	23.39	24.50	0.07	0.089	1.29	0.115	/
Left Touch	Full power	RMC12.2k	1513	1752.6	23.58	24.50	0.04	0.125	1.24	0.154	A.1-10
Body SAR (Body-worn 10mm)											
Front Side	Full power	RMC12.2k	1413	1732.6	23.98	24.50	-0.09	0.121	1.13	0.136	/
Back Side	Sensor on	RMC12.2k	1413	1732.6	18.43	18.50	-0.03	0.860	1.02	0.874	/
Back Side	Sensor on	RMC12.2k	1312	1712.4	17.90	18.50	-0.08	0.701	1.15	0.805	/
Back Side	Sensor on	RMC12.2k	1513	1752.6	17.97	18.50	0.06	0.816	1.13	0.922	/
Repeat											
Back Side	Sensor on	RMC12.2k	1413	1732.6	18.43	18.50	0.02	0.810	1.02	0.823	/
Body SAR (Hotspot 10mm)											
Front Side	Full power	RMC12.2k	1413	1732.6	23.98	24.50	-0.09	0.121	1.13	0.136	/
Back Side	Sensor on	RMC12.2k	1413	1732.6	18.43	18.50	-0.03	0.860	1.02	0.874	A.1-11
Left Side	Full power	RMC12.2k	1413	1732.6	23.98	24.50	0.13	0.250	1.13	0.282	/
Right Side	Full power	RMC12.2k	1413	1732.6	23.98	24.50	0.03	0.039	1.13	0.044	/
Bottom Side	Sensor on	RMC12.2k	1413	1732.6	18.43	18.50	0.08	0.263	1.02	0.267	/
Back Side	Sensor on	RMC12.2k	1312	1712.4	17.90	18.50	-0.08	0.701	1.15	0.805	/
Back Side	Sensor on	RMC12.3k	1513	1752.6	17.97	18.50	0.06	0.816	1.13	0.922	/
Repeat											
Back Side	Sensor on	RMC12.2k	1413	1732.6	18.43	18.50	0.02	0.810	1.02	0.823	/
Body SAR Define (Back Side:29mm,Bottom Side:19mm)											
Back Side	Full power	RMC12.2k	1413	1732.6	23.98	24.50	-0.03	0.518	1.13	0.584	/
Bottom Side	Full power	RMC12.2k	1413	1732.6	23.98	24.50	0.03	0.432	1.13	0.487	/
Test Position	Power Reduction	Mode	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
								Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)											
Front Side	Full power	RMC12.2k	1413	1732.6	23.98	24.50	-0.10	0.235	1.13	0.265	/
Back Side	Sensor on	RMC12.2k	1413	1732.6	18.43	18.50	-0.15	0.526	1.02	0.535	/
Left Side	Full power	RMC12.2k	1413	1732.6	23.98	24.50	0.05	0.858	1.13	0.967	A.1-12
Right Side	Full power	RMC12.2k	1413	1732.6	23.98	24.50	-0.13	0.044	1.13	0.049	/
Bottom Side	Sensor on	RMC12.2k	1413	1732.6	18.43	18.50	0.09	0.592	1.02	0.602	/
Left Side	Full power	RMC12.2k	1312	1712.4	23.39	24.50	0.06	0.661	1.29	0.853	/
Left Side	Full power	RMC12.3k	1513	1752.6	23.58	24.50	0.07	0.816	1.24	1.009	/

Table 14.1.2-5: SAR Values for WCDMA Band Ⅴ

Test Position	Power Reduction	Mode	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
								Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR											
Left Touch	Full power	RMC12.2k	4183	836.6	23.69	24.50	-0.03	0.180	1.21	0.217	/
Left Tilt 15°	Full power	RMC12.2k	4183	836.6	23.69	24.50	-0.12	0.113	1.21	0.136	/
Right Touch	Full power	RMC12.2k	4183	836.6	23.69	24.50	-0.02	0.231	1.21	0.278	A.1-13
Right Tilt 15°	Full power	RMC12.2k	4183	836.6	23.69	24.50	0.11	0.123	1.21	0.148	/
Right Touch	Full power	RMC12.2k	4132	826.4	23.71	24.50	-0.11	0.231	1.20	0.277	/
Right Touch	Full power	RMC12.2k	4233	846.6	23.73	24.50	-0.01	0.216	1.19	0.258	/
Body SAR (Body-worn 10mm)											
Front Side	Full power	RMC12.2k	4183	836.6	23.69	24.50	-0.07	0.183	1.21	0.221	/
Back Side	Full power	RMC12.2k	4183	836.6	23.69	24.50	-0.05	0.474	1.21	0.571	/
Back Side	Full power	RMC12.2k	4132	826.4	23.71	24.50	-0.07	0.484	1.20	0.581	/
Back Side	Full power	RMC12.2k	4233	846.6	23.73	24.50	-0.06	0.466	1.19	0.556	/
Body SAR (Hotspot 10mm)											
Front Side	Full power	RMC12.2k	4183	836.6	23.69	24.50	-0.07	0.183	1.21	0.221	/
Back Side	Full power	RMC12.2k	4183	836.6	23.69	24.50	-0.05	0.474	1.21	0.571	/
Left Side	Full power	RMC12.2k	4183	836.6	23.69	24.50	0.02	0.158	1.21	0.190	/
Right Side	Full power	RMC12.2k	4183	836.6	23.69	24.50	-0.11	0.247	1.21	0.298	/
Bottom Side	Full power	RMC12.2k	4183	836.6	23.69	24.50	-0.03	0.315	1.21	0.380	/
Back Side	Full power	RMC12.2k	4132	826.4	23.71	24.50	-0.07	0.484	1.20	0.581	A.1-14
Back Side	Full power	RMC12.3k	4233	846.6	23.73	24.50	-0.06	0.466	1.19	0.556	/
Test Position	Power Reduction	Mode	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
								Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)											
Front Side	Full power	RMC12.2k	4183	836.6	23.69	24.50	0.06	0.433	1.21	0.522	/
Back Side	Full power	RMC12.2k	4183	836.6	23.69	24.50	-0.15	0.412	1.21	0.496	/
Left Side	Full power	RMC12.2k	4183	836.6	23.69	24.50	0.03	0.296	1.21	0.357	/
Right Side	Full power	RMC12.2k	4183	836.6	23.69	24.50	0.02	0.215	1.21	0.259	/
Bottom Side	Full power	RMC12.2k	4183	836.6	23.69	24.50	0.04	0.690	1.21	0.831	/
Bottom Side	Full power	RMC12.2k	4132	826.4	23.71	24.50	-0.06	0.731	1.20	0.877	A.1-15
Bottom Side	Full power	RMC12.3k	4233	846.6	23.73	24.50	-0.10	0.623	1.19	0.744	/

Table 14.1.2-6: SAR Values for LTE Band 7

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	0.10	0.224	1.26	0.283	/
Left Tilt 15°	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	0.07	0.123	1.26	0.155	/
Right Touch	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	-0.03	0.141	1.26	0.178	/
Right Tilt 15°	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	0.02	0.136	1.26	0.172	/
Left Touch	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	0.08	0.178	1.23	0.218	/
Left Tilt 15°	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	0.02	0.099	1.23	0.122	/
Right Touch	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	0.03	0.111	1.23	0.136	/
Right Tilt 15°	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	-0.05	0.104	1.23	0.128	/
Left Touch	Full power	QPSK	20	1	mid	20850	2510	22.41	23.50	0.02	0.324	1.29	0.416	A.1-16
Left Touch	Full power	QPSK	20	1	mid	21350	2560	22.34	23.50	-0.04	0.306	1.31	0.400	/
SIM 2														
Left Touch	Full power	QPSK	20	1	mid	20850	2510	22.41	23.50	-0.05	0.295	1.29	0.379	/
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	-0.05	0.410	1.26	0.517	/
Back Side	Sensor on	QPSK	20	1	mid	21100	2535	20.17	21.00	0.03	0.604	1.21	0.731	/
Front Side	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	-0.08	0.332	1.23	0.408	/
Back Side	Sensor on	QPSK	20	50%	mid	21100	2535	20.20	21.00	-0.05	0.618	1.20	0.743	/
Back Side	Sensor on	QPSK	20	50%	mid	20850	2510	20.18	21.00	0.04	0.729	1.21	0.880	/
Back Side	Sensor on	QPSK	20	50%	mid	21350	2560	20.15	21.00	-0.14	0.503	1.22	0.612	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	-0.05	0.410	1.26	0.517	/
Back Side	Sensor on	QPSK	20	1	mid	21100	2535	20.17	21.00	0.03	0.604	1.21	0.731	/
Left Side	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	0.01	0.547	1.26	0.690	/
Right Side	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	0.12	0.047	1.26	0.059	/
Bottom Side	Sensor on	QPSK	20	1	mid	21100	2535	20.17	21.00	-0.03	0.248	1.21	0.300	/
Front Side	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	-0.08	0.332	1.23	0.408	/
Back Side	Sensor on	QPSK	20	50%	mid	21100	2535	20.20	21.00	-0.05	0.618	1.20	0.743	/
Left Side	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	-0.02	0.444	1.23	0.545	/
Right Side	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	-0.02	0.042	1.23	0.052	/
Bottom Side	Sensor on	QPSK	20	50%	mid	21100	2535	20.20	21.00	-0.02	0.239	1.20	0.287	/
Back Side	Sensor on	QPSK	20	50%	mid	20850	2510	20.18	21.00	0.04	0.729	1.21	0.880	A.1-17
Back Side	Sensor on	QPSK	20	50%	mid	21350	2560	20.15	21.00	-0.14	0.503	1.22	0.612	/
Body SAR Define (Back Side:29mm,Bottom Side:19mm)														
Back Side	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	0.13	0.204	1.26	0.257	/
Bottom Side	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	0.03	0.171	1.26	0.216	/
Back Side	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	-0.04	0.162	1.23	0.199	/
Bottom Side	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	-0.14	0.133	1.23	0.163	/
Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	0.02	0.609	1.26	0.768	/
Back Side	Sensor on	QPSK	20	1	mid	21100	2535	20.17	21.00	0.07	1.200	1.21	1.453	/
Left Side	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	0.02	1.510	1.26	1.905	/
Right Side	Full power	QPSK	20	1	mid	21100	2535	22.49	23.50	0.10	0.088	1.26	0.111	/
Bottom Side	Sensor on	QPSK	20	1	mid	21100	2535	20.17	21.00	0.10	0.471	1.21	0.570	/
Front Side	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	0.02	0.498	1.23	0.611	/
Back Side	Sensor on	QPSK	20	50%	mid	21100	2535	20.20	21.00	0.09	1.260	1.20	1.515	/
Left Side	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	0.04	1.220	1.23	1.497	/
Right Side	Full power	QPSK	20	50%	mid	21100	2535	21.61	22.50	0.10	0.075	1.23	0.092	/
Bottom Side	Sensor on	QPSK	20	50%	mid	21100	2535	20.20	21.00	0.07	0.481	1.20	0.578	/
Left Side	Full power	QPSK	20	1	mid	20850	2510	22.41	23.50	0.09	1.870	1.29	2.403	A.1-18
Left Side	Full power	QPSK	20	1	mid	21350	2560	22.34	23.50	-0.03	1.590	1.31	2.077	/
SIM 2														
Left Side	Full power	QPSK	20	1	mid	20850	2510	22.41	23.50	0.01	1.820	1.29	2.339	/

Table 14.1.2-7: SAR Values for LTE Band 12

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	0.05	0.101	1.21	0.122	A.1-19
Left Tilt 15°	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	0.03	0.044	1.21	0.053	/
Right Touch	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	-0.07	0.100	1.21	0.121	/
Right Tilt 15°	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	0.00	0.041	1.21	0.050	/
Left Touch	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	0.02	0.069	1.21	0.084	/
Left Tilt 15°	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	0.03	0.032	1.21	0.039	/
Right Touch	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	0.04	0.078	1.21	0.095	/
Right Tilt 15°	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	0.12	0.031	1.21	0.037	/
Left Touch	Full power	QPSK	10	1	mid	23060	704	22.66	23.50	-0.12	0.087	1.21	0.105	/
Left Touch	Full power	QPSK	10	1	mid	23130	711	22.59	23.50	0.05	0.093	1.23	0.115	/
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	0.11	0.079	1.21	0.095	/
Back Side	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	-0.06	0.307	1.21	0.371	/
Front Side	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	0.08	0.062	1.21	0.074	/
Back Side	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	-0.02	0.262	1.21	0.317	/
Back Side	Full power	QPSK	10	1	mid	23060	704	22.66	23.50	-0.03	0.291	1.21	0.353	/
Back Side	Full power	QPSK	10	1	mid	23130	711	22.59	23.50	-0.03	0.297	1.23	0.366	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	0.11	0.079	1.21	0.095	/
Back Side	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	-0.06	0.307	1.21	0.371	A.1-20
Left Side	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	0.01	0.080	1.21	0.096	/
Right Side	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	0.06	0.118	1.21	0.143	/
Bottom Side	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	-0.11	0.107	1.21	0.129	/
Front Side	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	0.08	0.062	1.21	0.074	/
Back Side	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	-0.02	0.262	1.21	0.317	/
Left Side	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	0.15	0.062	1.21	0.075	/
Right Side	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	0.06	0.090	1.21	0.109	/
Bottom Side	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	0.02	0.081	1.21	0.098	/
Back Side	Full power	QPSK	10	1	mid	23060	704	22.66	23.50	-0.03	0.291	1.21	0.353	/
Back Side	Full power	QPSK	10	1	mid	23130	711	22.59	23.50	-0.03	0.297	1.23	0.366	/
Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	-0.11	0.221	1.21	0.267	/
Back Side	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	-0.11	0.560	1.21	0.676	/
Left Side	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	0.02	0.112	1.21	0.135	/
Right Side	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	0.16	0.150	1.21	0.181	/
Bottom Side	Full power	QPSK	10	1	mid	23095	707.5	22.68	23.50	0.09	0.327	1.21	0.395	/
Front Side	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	-0.06	0.172	1.21	0.208	/
Back Side	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	-0.07	0.436	1.21	0.528	/
Left Side	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	0.02	0.085	1.21	0.103	/
Right Side	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	0.02	0.117	1.21	0.142	/
Bottom Side	Full power	QPSK	10	50%	mid	23095	707.5	21.67	22.50	0.10	0.253	1.21	0.306	/
Back Side	Full power	QPSK	10	1	mid	23060	704	22.66	23.50	-0.10	0.568	1.21	0.689	A.1-21
Back Side	Full power	QPSK	10	1	mid	23130	711	22.59	23.50	-0.07	0.549	1.23	0.677	/

Table 14.1.2-8: SAR Values for LTE Band 13

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	0.15	0.139	1.20	0.166	/
Left Tilt 15°	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	0.02	0.064	1.20	0.076	/
Right Touch	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	-0.12	0.159	1.20	0.190	A.1-22
Right Tilt 15°	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	-0.01	0.073	1.20	0.087	/
Left Touch	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	0.02	0.099	1.19	0.118	/
Left Tilt 15°	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	0.02	0.050	1.19	0.059	/
Right Touch	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	-0.03	0.127	1.19	0.151	/
Right Tilt 15°	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	-0.09	0.057	1.19	0.068	/
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	0.10	0.092	1.20	0.110	/
Back Side	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	-0.01	0.340	1.20	0.407	/
Front Side	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	0.13	0.072	1.19	0.086	/
Back Side	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	-0.04	0.302	1.19	0.360	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	0.10	0.092	1.20	0.110	/
Back Side	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	-0.01	0.340	1.20	0.407	A.1-23
Left Side	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	0.02	0.083	1.20	0.099	/
Right Side	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	0.04	0.184	1.20	0.220	/
Bottom Side	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	-0.08	0.198	1.20	0.237	/
Front Side	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	0.13	0.072	1.19	0.086	/
Back Side	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	-0.04	0.302	1.19	0.360	/
Left Side	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	0.03	0.067	1.19	0.080	/
Right Side	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	0.07	0.147	1.19	0.175	/
Bottom Side	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	-0.04	0.158	1.19	0.188	/
Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	-0.02	0.292	1.20	0.349	/
Back Side	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	-0.11	0.517	1.20	0.619	A.1-24
Left Side	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	0.03	0.180	1.20	0.215	/
Right Side	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	0.02	0.185	1.20	0.221	/
Bottom Side	Full power	QPSK	10	1	mid	23230	782	22.72	23.50	0.08	0.436	1.20	0.522	/
Front Side	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	-0.02	0.197	1.19	0.235	/
Back Side	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	-0.07	0.427	1.19	0.509	/
Left Side	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	0.03	0.143	1.19	0.170	/
Right Side	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	0.02	0.148	1.19	0.176	/
Bottom Side	Full power	QPSK	10	50%	mid	23230	782	21.74	22.50	0.08	0.350	1.19	0.417	/

Table 14.1.2-9: SAR Values for LTE Band 14

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	10	1	low	23330	793	23.17	23.50	-0.06	0.112	1.08	0.121	/
Left Tilt 15°	Full power	QPSK	10	1	low	23330	793	23.17	23.50	-0.11	0.058	1.08	0.062	/
Right Touch	Full power	QPSK	10	1	low	23330	793	23.17	23.50	-0.04	0.145	1.08	0.156	A.1-25
Right Tilt 15°	Full power	QPSK	10	1	low	23330	793	23.17	23.50	-0.06	0.067	1.08	0.072	/
Left Touch	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	0.07	0.080	1.09	0.087	/
Left Tilt 15°	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	0.06	0.046	1.09	0.051	/
Right Touch	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	0.07	0.115	1.09	0.125	/
Right Tilt 15°	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	-0.01	0.053	1.09	0.058	/
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	10	1	low	23330	793	23.17	23.50	0.05	0.087	1.08	0.094	/
Back Side	Full power	QPSK	10	1	low	23330	793	23.17	23.50	-0.06	0.324	1.08	0.350	/
Front Side	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	0.02	0.069	1.09	0.075	/
Back Side	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	-0.06	0.266	1.09	0.290	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	10	1	low	23330	793	23.17	23.50	0.05	0.087	1.08	0.094	/
Back Side	Full power	QPSK	10	1	low	23330	793	23.17	23.50	-0.06	0.324	1.08	0.350	A.1-26
Left Side	Full power	QPSK	10	1	low	23330	793	23.17	23.50	0.13	0.070	1.08	0.076	/
Right Side	Full power	QPSK	10	1	low	23330	793	23.17	23.50	0.06	0.163	1.08	0.176	/
Bottom Side	Full power	QPSK	10	1	low	23330	793	23.17	23.50	-0.10	0.183	1.08	0.197	/
Front Side	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	0.02	0.069	1.09	0.075	/
Back Side	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	-0.06	0.266	1.09	0.290	/
Left Side	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	0.02	0.058	1.09	0.063	/
Right Side	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	0.06	0.130	1.09	0.142	/
Bottom Side	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	-0.13	0.147	1.09	0.160	/
Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	10	1	low	23330	793	23.17	23.50	0.03	0.220	1.08	0.237	/
Back Side	Full power	QPSK	10	1	low	23330	793	23.17	23.50	-0.08	0.491	1.08	0.530	A.1-27
Left Side	Full power	QPSK	10	1	low	23330	793	23.17	23.50	0.03	0.166	1.08	0.179	/
Right Side	Full power	QPSK	10	1	low	23330	793	23.17	23.50	0.03	0.161	1.08	0.174	/
Bottom Side	Full power	QPSK	10	1	low	23330	793	23.17	23.50	0.09	0.395	1.08	0.426	/
Front Side	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	0.03	0.176	1.09	0.192	/
Back Side	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	-0.02	0.380	1.09	0.414	/
Left Side	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	0.03	0.132	1.09	0.144	/
Right Side	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	0.15	0.126	1.09	0.137	/
Bottom Side	Full power	QPSK	10	50%	mid	23330	793	22.13	22.50	0.07	0.314	1.09	0.342	/

Table 14.1.2-10: SAR Values for LTE Band 25

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	0.04	0.227	1.37	0.310	/
Left Tilt 15°	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	0.00	0.123	1.37	0.168	/
Right Touch	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	-0.03	0.093	1.37	0.127	/
Right Tilt 15°	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	-0.05	0.108	1.37	0.148	/
Left Touch	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	0.09	0.183	1.40	0.257	/
Left Tilt 15°	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	0.11	0.101	1.40	0.142	/
Right Touch	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	0.02	0.078	1.40	0.109	/
Right Tilt 15°	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	0.03	0.095	1.40	0.133	/
Left Touch	Full power	QPSK	20	1	mid	26140	1860	22.13	23.50	0.09	0.192	1.37	0.263	/
Left Touch	Full power	QPSK	20	1	mid	26590	1905	22.10	23.50	0.02	0.241	1.38	0.333	A.1-28
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	-0.11	0.151	1.37	0.207	/
Back Side	Sensor on	QPSK	20	1	mid	26365	1882.5	18.66	19.50	-0.10	0.848	1.21	1.029	/
Front Side	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	0.03	0.121	1.40	0.170	/
Back Side	Sensor on	QPSK	20	50%	mid	26365	1882.5	18.62	19.50	-0.08	0.843	1.22	1.032	/
Back Side	Sensor on	QPSK	20	1	mid	26140	1860	18.60	19.50	-0.06	0.910	1.23	1.120	/
Back Side	Sensor on	QPSK	20	1	mid	26590	1905	18.65	19.50	-0.03	0.809	1.22	0.984	/
Back Side	Sensor on	QPSK	20	50%	mid	26140	1860	18.61	19.50	-0.04	0.897	1.23	1.101	/
Back Side	Sensor on	QPSK	20	50%	mid	26590	1905	18.59	19.50	-0.03	0.811	1.23	1.000	/
Back Side	Sensor on	QPSK	20	100%	low	26365	1882.5	18.57	19.50	-0.02	0.796	1.24	0.986	/
Repeat														
Back Side	Sensor on	QPSK	20	1	mid	26140	1860	18.60	19.50	0.01	0.905	1.23	1.113	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	-0.11	0.151	1.37	0.207	/
Back Side	Sensor on	QPSK	20	1	mid	26365	1882.5	18.66	19.50	-0.10	0.848	1.21	1.029	/
Left Side	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	0.02	0.350	1.37	0.479	/
Right Side	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	0.02	0.026	1.37	0.036	/
Bottom Side	Sensor on	QPSK	20	1	mid	26365	1882.5	18.66	19.50	0.13	0.394	1.21	0.478	/
Front Side	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	0.03	0.121	1.40	0.170	/
Back Side	Sensor on	QPSK	20	50%	mid	26365	1882.5	18.62	19.50	-0.08	0.843	1.22	1.032	/
Left Side	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	-0.02	0.262	1.40	0.368	/
Right Side	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	0.01	0.024	1.40	0.034	/
Bottom Side	Sensor on	QPSK	20	50%	mid	26365	1882.5	18.62	19.50	0.02	0.392	1.22	0.480	/
Back Side	Sensor on	QPSK	20	1	mid	26140	1860	18.60	19.50	-0.06	0.910	1.23	1.120	A.1-29
Back Side	Sensor on	QPSK	20	1	mid	26590	1905	18.65	19.50	-0.03	0.809	1.22	0.984	/
Back Side	Sensor on	QPSK	20	50%	mid	26140	1860	18.61	19.50	-0.04	0.897	1.23	1.101	/
Back Side	Sensor on	QPSK	20	50%	mid	26590	1905	18.59	19.50	-0.03	0.811	1.23	1.000	/
Back Side	Sensor on	QPSK	20	100%	low	26365	1882.5	18.57	19.50	-0.02	0.796	1.24	0.986	/
Repeat														
Back Side	Sensor on	QPSK	20	1	mid	26140	1860	18.60	19.50	0.01	0.905	1.23	1.113	/
Body SAR Define (Back Side:29mm,Bottom Side:19mm)														
Back Side	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	-0.01	0.315	1.37	0.431	/
Bottom Side	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	0.07	0.319	1.37	0.436	/
Back Side	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	0.03	0.266	1.40	0.373	/
Bottom Side	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	0.02	0.259	1.40	0.363	/

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	0.10	0.302	1.37	0.413	/
Back Side	Sensor on	QPSK	20	1	mid	26365	1882.5	18.66	19.50	0.00	0.698	1.21	0.847	/
Left Side	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	0.08	1.140	1.37	1.559	/
Right Side	Full power	QPSK	20	1	mid	26365	1882.5	22.14	23.50	0.09	0.039	1.37	0.054	/
Bottom Side	Sensor on	QPSK	20	1	mid	26365	1882.5	18.66	19.50	0.10	0.670	1.21	0.813	/
Front Side	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	-0.09	0.238	1.40	0.334	/
Back Side	Sensor on	QPSK	20	50%	mid	26365	1882.5	18.62	19.50	0.00	0.703	1.22	0.861	/
Left Side	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	0.11	0.922	1.40	1.293	/
Right Side	Full power	QPSK	20	50%	mid	26365	1882.5	21.03	22.50	0.05	0.031	1.40	0.044	/
Bottom Side	Sensor on	QPSK	20	50%	mid	26365	1882.5	18.62	19.50	0.00	0.679	1.22	0.832	/
Left Side	Full power	QPSK	20	1	mid	26140	1860	22.13	23.50	0.15	1.060	1.37	1.453	/
Left Side	Full power	QPSK	20	1	mid	26590	1905	22.10	23.50	-0.03	1.240	1.38	1.712	A.1-30

Table 14.1.2-11: SAR Values for LTE Band 26

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.08	0.165	1.23	0.203	/
Left Tilt 15°	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.02	0.088	1.23	0.108	/
Right Touch	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	-0.13	0.204	1.23	0.252	A.1-31
Right Tilt 15°	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.04	0.084	1.23	0.103	/
Left Touch	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	0.03	0.126	1.28	0.161	/
Left Tilt 15°	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	0.02	0.066	1.28	0.084	/
Right Touch	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	-0.04	0.144	1.28	0.184	/
Right Tilt 15°	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	-0.02	0.062	1.28	0.079	/
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.01	0.170	1.23	0.210	/
Back Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	-0.02	0.401	1.23	0.494	/
Front Side	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	-0.04	0.123	1.28	0.157	/
Back Side	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	0.03	0.298	1.28	0.381	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.01	0.170	1.23	0.210	/
Back Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	-0.02	0.401	1.23	0.494	A.1-32
Left Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.03	0.141	1.23	0.174	/
Right Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.04	0.255	1.23	0.314	/
Bottom Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	-0.02	0.284	1.23	0.350	/
Front Side	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	-0.04	0.123	1.28	0.157	/
Back Side	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	0.03	0.298	1.28	0.381	/
Left Side	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	0.03	0.106	1.28	0.136	/
Right Side	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	-0.01	0.188	1.28	0.241	/
Bottom Side	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	-0.14	0.207	1.28	0.265	/
Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.02	0.364	1.23	0.449	/
Back Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.03	0.422	1.23	0.520	/
Left Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.06	0.249	1.23	0.307	/
Right Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.00	0.249	1.23	0.307	/
Bottom Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.04	0.725	1.23	0.894	A.1-33
Front Side	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	-0.03	0.265	1.28	0.339	/
Back Side	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	-0.06	0.338	1.28	0.432	/
Left Side	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	0.10	0.182	1.28	0.233	/
Right Side	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	0.06	0.184	1.28	0.235	/
Bottom Side	Full power	QPSK	15	50%	mid	26865	831.5	21.43	22.50	0.03	0.553	1.28	0.707	/

Table 14.1.2-12: SAR Values for LTE Band 26 (ISED)

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	0.07	0.162	1.24	0.202	/
Left Tilt 15°	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	0.10	0.086	1.24	0.107	/
Right Touch	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	-0.07	0.208	1.24	0.259	/
Right Tilt 15°	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	0.03	0.082	1.24	0.102	/
Left Touch	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	0.02	0.124	1.29	0.159	/
Left Tilt 15°	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	0.01	0.065	1.29	0.083	/
Right Touch	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	-0.04	0.141	1.29	0.181	/
Right Tilt 15°	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	-0.01	0.061	1.29	0.078	/
Right Touch	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	-0.13	0.204	1.23	0.252	/
Right Touch	Full power	QPSK	15	1	mid	26965	841.5	22.49	23.50	-0.02	0.209	1.26	0.264	A.1-34
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	0.10	0.167	1.24	0.208	/
Back Side	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	-0.03	0.365	1.24	0.454	/
Front Side	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	-0.02	0.121	1.29	0.156	/
Back Side	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	0.02	0.293	1.29	0.377	/
Back Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	-0.02	0.401	1.23	0.494	/
Back Side	Full power	QPSK	15	1	mid	26965	841.5	22.49	23.50	-0.02	0.370	1.26	0.467	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	0.10	0.167	1.24	0.208	/
Back Side	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	-0.03	0.365	1.24	0.454	/
Left Side	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	0.01	0.138	1.24	0.172	/
Right Side	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	0.03	0.250	1.24	0.311	/
Bottom Side	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	-0.01	0.279	1.24	0.347	/
Front Side	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	-0.02	0.121	1.29	0.156	/
Back Side	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	0.02	0.293	1.29	0.377	/
Left Side	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	0.01	0.104	1.29	0.134	/
Right Side	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	-0.01	0.185	1.29	0.238	/
Bottom Side	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	-0.01	0.203	1.29	0.261	/
Back Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	-0.02	0.401	1.23	0.494	A.1-35
Back Side	Full power	QPSK	15	1	mid	26965	841.5	22.49	23.50	-0.02	0.370	1.26	0.467	/
Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	0.10	0.358	1.24	0.446	/
Back Side	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	0.00	0.414	1.24	0.515	/
Left Side	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	0.03	0.245	1.24	0.305	/
Right Side	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	0.00	0.244	1.24	0.304	/
Bottom Side	Full power	QPSK	15	1	mid	26915	836.5	22.55	23.50	0.02	0.672	1.24	0.836	/
Front Side	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	-0.01	0.261	1.29	0.335	/
Back Side	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	-0.06	0.332	1.29	0.427	/
Left Side	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	0.01	0.179	1.29	0.230	/
Right Side	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	0.04	0.180	1.29	0.231	/
Bottom Side	Full power	QPSK	15	50%	mid	26915	836.5	21.41	22.50	0.03	0.543	1.29	0.698	/
Bottom Side	Full power	QPSK	15	1	mid	26865	831.5	22.59	23.50	0.04	0.725	1.23	0.894	A.1-36
Bottom Side	Full power	QPSK	15	1	mid	26965	841.5	22.49	23.50	0.09	0.650	1.26	0.820	/

Table 14.1.2-13: SAR Values for LTE Band 30

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	-0.06	0.108	1.16	0.125	A.1-37
Left Tilt 15°	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	0.04	0.058	1.16	0.067	/
Right Touch	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	0.11	0.095	1.16	0.109	/
Right Tilt 15°	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	-0.04	0.060	1.16	0.069	/
Left Touch	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	0.10	0.075	1.17	0.088	/
Left Tilt 15°	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	0.04	0.043	1.17	0.050	/
Right Touch	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	-0.12	0.064	1.17	0.075	/
Right Tilt 15°	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	-0.02	0.039	1.17	0.045	/
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	0.07	0.100	1.16	0.116	/
Back Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	0.06	0.976	1.16	1.128	/
Front Side	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	0.08	0.071	1.17	0.084	/
Back Side	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	-0.04	0.730	1.17	0.856	/
Back Side	Full power	QPSK	10	100%	low	27710	2310	21.76	22.50	0.10	0.737	1.19	0.874	/
Repeat														
Back Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	-0.02	0.977	1.16	1.130	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	0.07	0.100	1.16	0.116	/
Back Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	0.06	0.976	1.16	1.128	/
Left Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	0.02	0.424	1.16	0.490	/
Right Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	-0.09	0.014	1.16	0.016	/
Bottom Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	0.02	0.285	1.16	0.329	/
Front Side	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	0.08	0.071	1.17	0.084	/
Back Side	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	-0.04	0.730	1.17	0.856	/
Left Side	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	-0.01	0.313	1.17	0.367	/
Right Side	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	0.00	0.005	1.17	0.006	/
Bottom Side	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	0.14	0.212	1.17	0.249	/
Back Side	Full power	QPSK	10	100%	low	27710	2310	21.76	22.50	0.10	0.737	1.19	0.874	/
Repeat														
Back Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	-0.02	0.977	1.16	1.130	A.1-38
Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	-0.07	0.284	1.16	0.328	/
Back Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	0.07	1.940	1.16	2.243	A.1-39
Left Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	0.02	1.130	1.16	1.306	/
Right Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	0.10	0.005	1.16	0.006	/
Bottom Side	Full power	QPSK	10	1	mid	27710	2310	22.87	23.50	0.13	0.711	1.16	0.822	/
Front Side	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	0.09	0.208	1.17	0.244	/
Back Side	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	-0.04	1.470	1.17	1.723	/
Left Side	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	0.03	0.841	1.17	0.986	/
Right Side	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	0.00	0.001	1.17	0.001	/
Bottom Side	Full power	QPSK	10	50%	low	27710	2310	21.81	22.50	0.15	0.527	1.17	0.618	/

Table 14.1.2-14: SAR Values for LTE Band 40 (2305MHz-2315MHz)

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.03	0.084	1.15	0.096	A.1-40
Left Tilt 15°	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.08	0.039	1.15	0.045	/
Right Touch	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	-0.08	0.050	1.15	0.057	/
Right Tilt 15°	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.03	0.034	1.15	0.039	/
Left Touch	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	0.12	0.062	1.18	0.073	/
Left Tilt 15°	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	0.03	0.030	1.18	0.036	/
Right Touch	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	0.07	0.035	1.18	0.041	/
Right Tilt 15°	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	-0.03	0.029	1.18	0.035	/
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.05	0.071	1.15	0.081	/
Back Side	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.10	0.552	1.15	0.637	/
Front Side	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	-0.02	0.050	1.18	0.058	/
Back Side	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	0.02	0.424	1.18	0.499	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.05	0.071	1.15	0.081	/
Back Side	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.10	0.552	1.15	0.637	A.1-41
Left Side	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.03	0.235	1.15	0.271	/
Right Side	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.06	0.005	1.15	0.006	/
Bottom Side	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	-0.02	0.166	1.15	0.191	/
Front Side	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	-0.02	0.050	1.18	0.058	/
Back Side	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	0.02	0.424	1.18	0.499	/
Left Side	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	0.04	0.185	1.18	0.218	/
Right Side	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	0.07	0.001	1.18	0.001	/
Bottom Side	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	0.06	0.125	1.18	0.147	/
Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.07	0.184	1.15	0.212	/
Back Side	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	-0.06	1.180	1.15	1.361	A.1-42
Left Side	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.04	0.556	1.15	0.641	/
Right Side	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.00	0.011	1.15	0.013	/
Bottom Side	Full power	QPSK	10	1	mid	38750	2310	22.88	23.50	0.02	0.416	1.15	0.480	/
Front Side	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	-0.15	0.136	1.18	0.160	/
Back Side	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	0.03	0.888	1.18	1.046	/
Left Side	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	0.02	0.431	1.18	0.508	/
Right Side	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	0.00	0.004	1.18	0.005	/
Bottom Side	Full power	QPSK	10	50%	mid	38750	2310	21.79	22.50	0.03	0.320	1.18	0.377	/

Table 14.1.2-15: SAR Values for LTE Band 40 (2350MHz-2360MHz)

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	0.05	0.107	1.19	0.127	A.1-43
Left Tilt 15°	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	0.02	0.052	1.19	0.061	/
Right Touch	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	-0.05	0.060	1.19	0.071	/
Right Tilt 15°	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	-0.02	0.055	1.19	0.065	/
Left Touch	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	0.02	0.079	1.24	0.097	/
Left Tilt 15°	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	0.09	0.037	1.24	0.046	/
Right Touch	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	-0.03	0.043	1.24	0.053	/
Right Tilt 15°	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	0.12	0.041	1.24	0.051	/
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	-0.12	0.113	1.19	0.135	/
Back Side	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	0.03	0.636	1.19	0.758	/
Front Side	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	-0.02	0.080	1.24	0.098	/
Back Side	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	0.02	0.486	1.24	0.601	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	-0.12	0.113	1.19	0.135	/
Back Side	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	0.03	0.636	1.19	0.758	A.1-44
Left Side	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	0.16	0.250	1.19	0.298	/
Right Side	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	-0.03	0.006	1.19	0.007	/
Bottom Side	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	-0.02	0.186	1.19	0.222	/
Front Side	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	-0.02	0.080	1.24	0.098	/
Back Side	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	0.02	0.486	1.24	0.601	/
Left Side	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	0.05	0.191	1.24	0.236	/
Right Side	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	-0.10	0.004	1.24	0.005	/
Bottom Side	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	-0.01	0.127	1.24	0.157	/
Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	-0.09	0.256	1.19	0.305	/
Back Side	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	-0.03	1.280	1.19	1.525	A.1-45
Left Side	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	0.03	0.780	1.19	0.929	/
Right Side	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	0.00	0.023	1.19	0.027	/
Bottom Side	Full power	QPSK	10	1	mid	39200	2355	22.74	23.50	0.06	0.400	1.19	0.476	/
Front Side	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	-0.02	0.182	1.24	0.225	/
Back Side	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	0.12	0.971	1.24	1.200	/
Left Side	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	0.02	0.515	1.24	0.637	/
Right Side	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	0.00	0.017	1.24	0.021	/
Bottom Side	Full power	QPSK	10	50%	mid	39200	2355	21.58	22.50	0.10	0.268	1.24	0.331	/

Table 14.1.2-16: SAR Values for LTE Band 41

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	0.04	0.176	1.24	0.219	/
Left Tilt 15°	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	0.02	0.064	1.24	0.080	/
Right Touch	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	0.11	0.087	1.24	0.108	/
Right Tilt 15°	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	-0.02	0.084	1.24	0.105	/
Left Touch	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	0.02	0.129	1.23	0.158	/
Left Tilt 15°	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	0.03	0.045	1.23	0.056	/
Right Touch	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	-0.04	0.060	1.23	0.073	/
Right Tilt 15°	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	0.08	0.061	1.23	0.075	/
Left Touch	Full power	QPSK	20	1	mid	39790	2510	22.49	23.50	0.05	0.169	1.26	0.213	/
Left Touch	Full power	QPSK	20	1	mid	40185	2549.5	22.46	23.50	0.04	0.160	1.27	0.203	/
Left Touch	Full power	QPSK	20	1	mid	41055	2636.5	22.26	23.50	0.05	0.214	1.33	0.285	/
Left Touch	Full power	QPSK	20	1	mid	41490	2680	22.55	23.50	0.07	0.300	1.24	0.373	A.1-46
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	-0.03	0.197	1.24	0.245	/
Back Side	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	-0.02	0.426	1.24	0.529	/
Front Side	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	-0.03	0.143	1.23	0.176	/
Back Side	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	0.10	0.293	1.23	0.360	/
Back Side	Full power	QPSK	20	1	mid	39790	2510	22.49	23.50	-0.03	0.744	1.26	0.939	/
Back Side	Full power	QPSK	20	1	mid	40185	2549.5	22.46	23.50	-0.03	0.543	1.27	0.690	/
Back Side	Full power	QPSK	20	1	mid	41055	2636.5	22.26	23.50	-0.02	0.327	1.33	0.435	/
Back Side	Full power	QPSK	20	1	mid	41490	2680	22.55	23.50	-0.06	0.370	1.24	0.460	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	-0.03	0.197	1.24	0.245	/
Back Side	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	-0.02	0.426	1.24	0.529	/
Left Side	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	0.13	0.330	1.24	0.410	/
Right Side	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	0.04	0.035	1.24	0.043	/
Bottom Side	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	-0.07	0.265	1.24	0.329	/
Front Side	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	-0.03	0.143	1.23	0.176	/
Back Side	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	0.10	0.293	1.23	0.360	/
Left Side	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	0.07	0.235	1.23	0.288	/
Right Side	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	0.12	0.025	1.23	0.030	/
Bottom Side	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	0.04	0.148	1.23	0.182	/
Back Side	Full power	QPSK	20	1	mid	39790	2510	22.49	23.50	-0.03	0.744	1.26	0.939	A.1-47
Back Side	Full power	QPSK	20	1	mid	40185	2549.5	22.46	23.50	-0.03	0.543	1.27	0.690	/
Back Side	Full power	QPSK	20	1	mid	41055	2636.5	22.26	23.50	-0.02	0.327	1.33	0.435	/
Back Side	Full power	QPSK	20	1	mid	41490	2680	22.55	23.50	-0.06	0.370	1.24	0.460	/
Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	-0.03	0.420	1.24	0.521	/
Back Side	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	0.03	0.840	1.24	1.043	/
Left Side	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	0.02	1.050	1.24	1.304	/
Right Side	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	0.02	0.070	1.24	0.087	/
Bottom Side	Full power	QPSK	20	1	mid	40620	2593	22.56	23.50	0.08	0.658	1.24	0.817	/
Front Side	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	0.02	0.299	1.23	0.367	/
Back Side	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	0.04	0.609	1.23	0.748	/
Left Side	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	0.03	0.774	1.23	0.950	/
Right Side	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	-0.04	0.053	1.23	0.065	/
Bottom Side	Full power	QPSK	20	50%	mid	40620	2593	21.61	22.50	0.14	0.494	1.23	0.606	/
Left Side	Full power	QPSK	20	1	mid	39790	2510	22.49	23.50	0.02	1.040	1.26	1.312	/
Left Side	Full power	QPSK	20	1	mid	40185	2549.5	22.46	23.50	0.14	0.969	1.27	1.231	/
Left Side	Full power	QPSK	20	1	mid	41055	2636.5	22.26	23.50	0.15	1.020	1.33	1.357	/
Left Side	Full power	QPSK	20	1	mid	41490	2680	22.55	23.50	0.12	1.220	1.24	1.518	A.1-48

Table 14.1.2-17: SAR Values for LTE Band 66

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	0.02	0.107	1.26	0.134	/
Left Tilt 15°	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	0.02	0.060	1.26	0.076	/
Right Touch	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	-0.02	0.048	1.26	0.060	/
Right Tilt 15°	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	-0.04	0.059	1.26	0.074	/
Left Touch	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	-0.02	0.096	1.24	0.120	/
Left Tilt 15°	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	0.07	0.050	1.24	0.062	/
Right Touch	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	0.05	0.038	1.24	0.047	/
Right Tilt 15°	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	0.03	0.049	1.24	0.061	/
Left Touch	Full power	QPSK	20	1	mid	132072	1720	22.45	23.50	0.07	0.097	1.27	0.124	/
Left Touch	Full power	QPSK	20	1	mid	132572	1770	22.47	23.50	-0.10	0.138	1.27	0.175	A.1-49
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	-0.07	0.091	1.26	0.114	/
Back Side	Sensor on	QPSK	20	1	mid	132322	1745	17.93	18.50	0.06	0.946	1.14	1.079	/
Front Side	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	-0.03	0.074	1.24	0.092	/
Back Side	Sensor on	QPSK	20	50%	mid	132322	1745	17.85	18.50	0.07	0.943	1.16	1.095	/
Back Side	Sensor on	QPSK	20	1	mid	132072	1720	17.87	18.50	-0.03	0.898	1.16	1.038	/
Back Side	Sensor on	QPSK	20	1	mid	132572	1770	17.81	18.50	0.14	0.942	1.17	1.104	/
Back Side	Sensor on	QPSK	20	50%	mid	132072	1720	17.84	18.50	-0.02	0.898	1.16	1.045	/
Back Side	Sensor on	QPSK	20	50%	mid	132572	1770	17.81	18.50	-0.15	0.950	1.17	1.114	/
Back Side	Sensor on	QPSK	20	100%	low	132322	1745	17.73	18.50	-0.03	0.895	1.19	1.069	/
Repeat														
Back Side	Sensor on	QPSK	20	50%	mid	132572	1770	17.81	18.50	-0.03	0.951	1.17	1.115	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	-0.07	0.091	1.26	0.114	/
Back Side	Sensor on	QPSK	20	1	mid	132322	1745	17.93	18.50	0.06	0.946	1.14	1.079	/
Left Side	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	-0.03	0.234	1.26	0.294	/
Right Side	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	-0.09	0.024	1.26	0.030	/
Bottom Side	Sensor on	QPSK	20	1	mid	132322	1745	17.93	18.50	0.02	0.373	1.14	0.425	/
Front Side	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	-0.03	0.074	1.24	0.092	/
Back Side	Sensor on	QPSK	20	50%	mid	132322	1745	17.85	18.50	0.07	0.943	1.16	1.095	/
Left Side	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	0.02	0.198	1.24	0.246	/
Right Side	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	0.04	0.020	1.24	0.025	/
Bottom Side	Sensor on	QPSK	20	50%	mid	132322	1745	17.85	18.50	0.03	0.376	1.16	0.437	/
Back Side	Sensor on	QPSK	20	1	mid	132072	1720	17.87	18.50	-0.03	0.898	1.16	1.038	/
Back Side	Sensor on	QPSK	20	1	mid	132572	1770	17.81	18.50	0.14	0.942	1.17	1.104	/
Back Side	Sensor on	QPSK	20	50%	mid	132072	1720	17.84	18.50	-0.02	0.898	1.16	1.045	/
Back Side	Sensor on	QPSK	20	50%	mid	132572	1770	17.81	18.50	-0.15	0.950	1.17	1.114	/
Back Side	Sensor on	QPSK	20	100%	low	132322	1745	17.73	18.50	-0.03	0.895	1.19	1.069	/
Repeat														
Back Side	Sensor on	QPSK	20	50%	mid	132572	1770	17.81	18.50	-0.03	0.951	1.17	1.115	A.1-50
Body SAR Define (Back Side:29mm,Bottom Side:19mm)														
Back Side	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	0.03	0.382	1.26	0.480	/
Bottom Side	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	0.02	0.360	1.26	0.452	/
Back Side	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	0.00	0.316	1.24	0.393	/
Bottom Side	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	0.09	0.289	1.24	0.360	/

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	-0.08	0.234	1.26	0.294	/
Back Side	Sensor on	QPSK	20	1	mid	132322	1745	17.93	18.50	-0.06	0.580	1.14	0.661	/
Left Side	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	0.03	0.702	1.26	0.882	/
Right Side	Full power	QPSK	20	1	mid	132322	1745	22.51	23.50	0.03	0.021	1.26	0.027	/
Bottom Side	Sensor on	QPSK	20	1	mid	132322	1745	17.93	18.50	0.03	0.604	1.14	0.689	/
Front Side	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	-0.02	0.188	1.24	0.234	/
Back Side	Sensor on	QPSK	20	50%	mid	132322	1745	17.85	18.50	-0.03	0.582	1.16	0.676	/
Left Side	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	0.05	0.600	1.24	0.747	/
Right Side	Full power	QPSK	20	50%	mid	132322	1745	21.55	22.50	0.06	0.026	1.24	0.032	/
Bottom Side	Sensor on	QPSK	20	50%	mid	132322	1745	17.85	18.50	0.02	0.618	1.16	0.718	/
Left Side	Full power	QPSK	20	1	mid	132072	1720	22.45	23.50	0.07	0.697	1.27	0.888	/
Left Side	Full power	QPSK	20	1	mid	132572	1770	22.47	23.50	-0.05	0.868	1.27	1.100	A.1-51

Table 14.1.2-18: SAR Values for LTE Band 71

Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR1g	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	0.02	0.073	1.34	0.097	/
Left Tilt 15°	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	0.02	0.053	1.34	0.071	/
Right Touch	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	-0.05	0.080	1.34	0.107	/
Right Tilt 15°	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	-0.08	0.046	1.34	0.062	/
Left Touch	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	0.02	0.056	1.33	0.075	/
Left Tilt 15°	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	0.06	0.041	1.33	0.055	/
Right Touch	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	0.08	0.066	1.33	0.088	/
Right Tilt 15°	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	-0.13	0.038	1.33	0.050	/
Right Touch	Full power	QPSK	20	1	mid	133222	673	22.22	23.50	-0.06	0.100	1.34	0.134	A.1-52
Right Touch	Full power	QPSK	20	1	mid	133372	688	22.14	23.50	0.17	0.092	1.37	0.126	/
Body SAR (Body-worn 10mm)														
Front Side	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	0.01	0.117	1.34	0.156	/
Back Side	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	-0.06	0.313	1.34	0.418	/
Front Side	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	-0.03	0.095	1.33	0.127	/
Back Side	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	-0.02	0.158	1.33	0.211	/
Back Side	Full power	QPSK	20	1	mid	133222	673	22.22	23.50	-0.02	0.331	1.34	0.444	/
Back Side	Full power	QPSK	20	1	mid	133372	688	22.14	23.50	-0.07	0.310	1.37	0.424	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	0.01	0.117	1.34	0.156	/
Back Side	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	-0.06	0.313	1.34	0.418	/
Left Side	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	-0.03	0.054	1.34	0.072	/
Right Side	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	-0.15	0.073	1.34	0.097	/
Bottom Side	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	-0.12	0.063	1.34	0.085	/
Front Side	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	-0.03	0.095	1.33	0.127	/
Back Side	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	-0.02	0.158	1.33	0.211	/
Left Side	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	0.06	0.048	1.33	0.064	/
Right Side	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	0.10	0.068	1.33	0.090	/
Bottom Side	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	0.05	0.055	1.33	0.074	/
Back Side	Full power	QPSK	20	1	mid	133222	673	22.22	23.50	-0.02	0.331	1.34	0.444	A.1-53
Back Side	Full power	QPSK	20	1	mid	133372	688	22.14	23.50	-0.07	0.310	1.37	0.424	/
Test Position	Power Reduction	Mode				Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)			Figure No.
		Modulation	BW(MHz)	RB Allocation	RB Offset						Measured SAR10g	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	0.06	0.140	1.34	0.187	/
Back Side	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	-0.02	0.600	1.34	0.802	/
Left Side	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	0.02	0.058	1.34	0.078	/
Right Side	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	0.02	0.074	1.34	0.099	/
Bottom Side	Full power	QPSK	20	1	mid	133322	683	22.24	23.50	-0.06	0.196	1.34	0.262	/
Front Side	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	-0.05	0.114	1.33	0.152	/
Back Side	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	0.04	0.500	1.33	0.667	/
Left Side	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	0.04	0.052	1.33	0.070	/
Right Side	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	0.04	0.068	1.33	0.091	/
Bottom Side	Full power	QPSK	20	50%	high	133322	683	21.25	22.50	0.07	0.171	1.33	0.228	/
Back Side	Full power	QPSK	20	1	mid	133222	673	22.22	23.50	-0.04	0.668	1.34	0.897	/
Back Side	Full power	QPSK	20	1	mid	133372	688	22.14	23.50	-0.04	0.693	1.37	0.948	A.1-54

Table 14.1.2-19: SAR Values for LTE Band Wi-Fi 2.4G

Test Position	Power Reduction	Mode	BW(MHz)	Duty Cycle	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)				Figure No.
										Measured SAR1g	Duty Cycle Scaling Factor	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	-0.09	0.798	1.00	1.30	1.045	A.1-55
Left Tilt 15°	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	0.08	0.559	1.00	1.30	0.732	/
Right Touch	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	0.02	0.354	1.00	1.30	0.464	/
Right Tilt 15°	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	0.02	0.313	1.00	1.30	0.410	/
Left Touch	Full power	802.11b	20	99.41%	1	2412	17.17	18.00	0.02	0.789	1.01	1.21	0.961	/
Left Touch	Full power	802.11b	20	99.53%	11	2462	16.53	18.00	0.04	0.701	1.00	1.40	0.988	/
Body SAR (Body-worn 10mm)														
Front Side	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	0.04	0.181	1.00	1.30	0.237	/
Back Side	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	0.02	0.206	1.00	1.30	0.270	/
Back Side	Full power	802.11b	20	99.41%	1	2412	17.17	18.00	0.08	0.292	1.01	1.21	0.356	A.1-56
Back Side	Full power	802.11b	20	99.53%	11	2462	16.53	18.00	0.02	0.243	1.00	1.40	0.342	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	0.04	0.181	1.00	1.30	0.237	/
Back Side	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	0.02	0.206	1.00	1.30	0.270	/
Left Side	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	0.16	0.042	1.00	1.30	0.055	/
Right Side	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	0.06	0.261	1.00	1.30	0.342	/
Top Side	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	-0.04	0.306	1.00	1.30	0.401	A.1-57
Top Side	Full power	802.11b	20	99.41%	1	2412	17.17	18.00	-0.02	0.296	1.01	1.21	0.360	/
Top Side	Full power	802.11b	20	99.53%	11	2462	16.53	18.00	-0.02	0.257	1.00	1.40	0.362	/
Test Position	Power Reduction	Mode	BW(MHz)	Duty Cycle	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)				Figure No.
										Measured SAR10g	Duty Cycle Scaling Factor	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	0.10	0.483	1.00	1.30	0.632	/
Back Side	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	0.15	0.422	1.00	1.30	0.553	/
Left Side	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	-0.02	0.064	1.00	1.30	0.084	/
Right Side	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	0.11	0.664	1.00	1.30	0.869	/
Top Side	Full power	802.11b	20	99.52%	6	2437	16.85	18.00	-0.11	0.595	1.00	1.30	0.779	/
Right Side	Full power	802.11b	20	99.41%	1	2412	17.17	18.00	0.03	0.685	1.01	1.21	0.834	A.1-58
Right Side	Full power	802.11b	20	99.53%	11	2462	16.53	18.00	0.13	0.546	1.00	1.40	0.770	/

Table 14.1.2-20: SAR Values for Wi-Fi 5G U-NII-1

Test Position	Power Reduction	Mode	BW(MHz)	Duty Cycle	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)				Figure No.
										Measured SAR1g	Duty Cycle Scaling Factor	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.10	0.330	1.03	1.24	0.423	/
Left Tilt 15°	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.02	0.243	1.03	1.24	0.311	/
Right Touch	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.00	0.342	1.03	1.24	0.438	/
Right Tilt 15°	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.00	0.337	1.03	1.24	0.431	/
Right Touch	Full power	802.11a	20	97.20%	36	5180	15.38	16.00	0.00	0.327	1.03	1.15	0.388	/
Right Touch	Full power	802.11a	20	97.90%	48	5240	15.02	16.00	0.00	0.393	1.02	1.25	0.503	A.1-59
Body SAR (Body-worn 10mm)														
Front Side	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.00	0.119	1.03	1.24	0.152	/
Back Side	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.10	0.191	1.03	1.24	0.245	/
Back Side	Full power	802.11a	20	97.20%	36	5180	15.38	16.00	0.00	0.184	1.03	1.15	0.218	/
Back Side	Full power	802.11a	20	97.90%	48	5240	15.02	16.00	0.00	0.211	1.02	1.25	0.270	A.1-60
Body SAR (Hotspot 10mm)														
Front Side	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.00	0.119	1.03	1.24	0.152	/
Back Side	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.10	0.191	1.03	1.24	0.245	/
Left Side	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.00	0.000	1.03	1.24	0.000	/
Right Side	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.10	0.186	1.03	1.24	0.238	/
Top Side	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.06	0.220	1.03	1.24	0.282	/
Top Side	Full power	802.11a	20	97.20%	36	5180	15.38	16.00	0.12	0.228	1.03	1.15	0.271	/
Top Side	Full power	802.11a	20	97.90%	48	5240	15.02	16.00	0.03	0.295	1.02	1.25	0.378	A.1-61
Test Position	Power Reduction	Mode	BW(MHz)	Duty Cycle	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)				Figure No.
										Measured SAR10g	Duty Cycle Scaling Factor	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.00	0.144	1.03	1.24	0.184	/
Back Side	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.10	0.255	1.03	1.24	0.326	/
Left Side	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.00	0.000	1.03	1.24	0.000	/
Right Side	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	0.10	0.324	1.03	1.24	0.415	/
Top Side	Full power	802.11a	20	97.20%	40	5200	15.05	16.00	-0.05	0.190	1.03	1.24	0.243	/
Right Side	Full power	802.11a	20	97.20%	36	5180	15.38	16.00	0.05	0.377	1.03	1.15	0.447	/
Right Side	Full power	802.11a	20	97.90%	48	5240	15.02	16.00	0.05	0.434	1.02	1.25	0.556	A.1-62

Table 14.1.2-21: SAR Values for Wi-Fi 5G U-NII-2A

Test Position	Power Reduction	Mode	BW(MHz)	Duty Cycle	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)				Figure No.
										Measured SAR1g	Duty Cycle Scaling Factor	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	-0.12	0.361	1.03	1.30	0.484	/
Left Tilt 15°	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.06	0.338	1.03	1.30	0.453	/
Right Touch	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.00	0.368	1.03	1.30	0.493	/
Right Tilt 15°	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.00	0.409	1.03	1.30	0.548	/
Right Tilt 15°	Full power	802.11a	20	97.20%	52	5260	14.76	16.00	0.00	0.376	1.03	1.33	0.515	/
Right Tilt 15°	Full power	802.11a	20	97.20%	64	5320	13.21	14.00	0.00	0.411	1.03	1.20	0.507	A.1-63
Body SAR (Body-worn 10mm)														
Front Side	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.10	0.152	1.03	1.30	0.204	/
Back Side	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.10	0.232	1.03	1.30	0.311	A.1-64
Back Side	Full power	802.11a	20	97.20%	52	5260	14.76	16.00	0.10	0.214	1.03	1.33	0.293	/
Back Side	Full power	802.11a	20	97.20%	64	5320	13.21	14.00	0.00	0.224	1.03	1.20	0.276	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.10	0.152	1.03	1.30	0.204	/
Back Side	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.10	0.232	1.03	1.30	0.311	/
Left Side	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.00	0.000	1.03	1.30	0.000	/
Right Side	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.11	0.202	1.03	1.30	0.271	/
Top Side	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.08	0.254	1.03	1.30	0.341	/
Top Side	Full power	802.11a	20	97.20%	52	5260	14.76	16.00	0.07	0.247	1.03	1.33	0.338	/
Top Side	Full power	802.11a	20	97.20%	64	5320	13.21	14.00	0.04	0.260	1.03	1.20	0.321	A.1-65
Test Position	Power Reduction	Mode	BW(MHz)	Duty Cycle	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)				Figure No.
										Measured SAR10g	Duty Cycle Scaling Factor	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.00	0.149	1.03	1.30	0.200	/
Back Side	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.00	0.276	1.03	1.30	0.370	/
Left Side	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.00	0.000	1.03	1.30	0.000	/
Right Side	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.05	0.376	1.03	1.30	0.504	A.1-66
Top Side	Full power	802.11a	20	97.20%	56	5280	14.85	16.00	0.07	0.214	1.03	1.30	0.287	/
Right Side	Full power	802.11a	20	97.20%	52	5260	14.76	16.00	0.11	0.334	1.03	1.33	0.457	/
Right Side	Full power	802.11a	20	97.20%	64	5320	13.21	14.00	0.04	0.319	1.03	1.20	0.394	/

Table 14.1.2-22: SAR Values for Wi-Fi 5G U-NII-2C

Test Position	Power Reduction	Mode	BW(MHz)	Duty Cycle	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)				Figure No.
										Measured SAR1g	Duty Cycle Scaling Factor	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.06	0.395	1.02	1.19	0.481	/
Left Tilt 15°	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.10	0.401	1.02	1.19	0.488	/
Right Touch	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.00	0.485	1.02	1.19	0.590	/
Right Tilt 15°	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.00	0.500	1.02	1.19	0.608	A.1-67
Right Tilt 15°	Full power	802.11a	20	97.20%	100	5500	14.24	15.00	0.00	0.488	1.03	1.19	0.598	/
Right Tilt 15°	Full power	802.11a	20	97.90%	140	5700	14.06	15.00	0.00	0.450	1.02	1.24	0.571	/
Body SAR (Body-worn 10mm)														
Front Side	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.00	0.153	1.02	1.19	0.186	/
Back Side	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.10	0.351	1.02	1.19	0.427	/
Back Side	Full power	802.11a	20	97.20%	100	5500	14.24	15.00	-0.02	0.313	1.03	1.19	0.384	/
Back Side	Full power	802.11a	20	97.90%	140	5700	14.06	15.00	0.08	0.428	1.02	1.24	0.543	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.00	0.153	1.02	1.19	0.186	/
Back Side	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.10	0.351	1.02	1.19	0.427	/
Left Side	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.00	0.008	1.02	1.19	0.009	/
Right Side	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.02	0.326	1.02	1.19	0.397	/
Top Side	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.08	0.324	1.02	1.19	0.394	/
Back Side	Full power	802.11a	20	97.20%	100	5500	14.24	15.00	-0.02	0.313	1.03	1.19	0.384	/
Back Side	Full power	802.11a	20	97.90%	140	5700	14.06	15.00	0.08	0.428	1.02	1.24	0.543	A.1-68
Test Position	Power Reduction	Mode	BW(MHz)	Duty Cycle	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)				Figure No.
										Measured SAR10g	Duty Cycle Scaling Factor	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.00	0.262	1.02	1.19	0.319	/
Back Side	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.04	0.506	1.02	1.19	0.616	/
Left Side	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	0.00	0.011	1.02	1.19	0.013	/
Right Side	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	-0.06	0.478	1.02	1.19	0.582	/
Top Side	Full power	802.11a	20	97.90%	116	5580	14.74	15.50	-0.02	0.378	1.02	1.19	0.460	/
Back Side	Full power	802.11a	20	97.20%	100	5500	14.24	15.00	0.10	0.381	1.03	1.19	0.467	/
Back Side	Full power	802.11a	20	97.90%	140	5700	14.06	15.00	-0.03	0.651	1.02	1.24	0.826	A.1-69

Table 14.1.2-23: SAR Values for Wi-Fi 5G U-NII-3

Test Position	Power Reduction	Mode	BW(MHz)	Duty Cycle	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)				Figure No.
										Measured SAR1g	Duty Cycle Scaling Factor	Scaling Factor	Report SAR1g	
Head SAR														
Left Touch	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	-0.02	0.412	1.02	1.12	0.473	A.1-70
Left Tilt 15°	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.02	0.385	1.02	1.12	0.442	/
Right Touch	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.00	0.344	1.02	1.12	0.395	/
Right Tilt 15°	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.00	0.345	1.02	1.12	0.396	/
Left Touch	Full power	802.11a	20	97.90%	149	5745	14.65	15.50	-0.05	0.314	1.02	1.22	0.390	/
Left Touch	Full power	802.11a	20	97.89%	165	5825	13.80	15.50	-0.09	0.314	1.02	1.48	0.474	/
Body SAR (Body-worn 10mm)														
Front Side	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.00	0.107	1.02	1.12	0.123	/
Back Side	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.08	0.405	1.02	1.12	0.465	/
Back Side	Full power	802.11a	20	97.90%	149	5745	14.65	15.50	-0.03	0.381	1.02	1.22	0.473	/
Back Side	Full power	802.11a	20	97.89%	165	5825	13.80	15.50	-0.05	0.372	1.02	1.48	0.562	/
Body SAR (Hotspot 10mm)														
Front Side	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.00	0.107	1.02	1.12	0.123	/
Back Side	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.08	0.405	1.02	1.12	0.465	A.1-71
Left Side	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.00	0.004	1.02	1.12	0.005	/
Right Side	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.14	0.355	1.02	1.12	0.408	/
Top Side	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.05	0.234	1.02	1.12	0.269	/
Back Side	Full power	802.11a	20	97.90%	149	5745	14.65	15.50	-0.03	0.381	1.02	1.22	0.473	/
Back Side	Full power	802.11a	20	97.89%	165	5825	13.80	15.50	-0.05	0.372	1.02	1.48	0.562	/
Test Position	Power Reduction	Mode	BW(MHz)	Duty Cycle	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)				Figure No.
										Measured SAR10g	Duty Cycle Scaling Factor	Scaling Factor	Report SAR10g	
Limb SAR (0mm)														
Front Side	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.00	0.213	1.02	1.12	0.245	/
Back Side	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.00	0.341	1.02	1.12	0.392	/
Left Side	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	0.00	0.009	1.02	1.12	0.010	/
Right Side	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	-0.02	0.626	1.02	1.12	0.719	A.1-72
Top Side	Full power	802.11a	20	97.90%	157	5785	14.99	15.50	-0.10	0.299	1.02	1.12	0.343	/
Right Side	Full power	802.11a	20	97.90%	149	5745	14.65	15.50	0.10	0.594	1.02	1.22	0.738	/
Right Side	Full power	802.11a	20	97.89%	165	5825	13.80	15.50	0.02	0.572	1.02	1.48	0.864	/

Table 14.1.2-24: SAR Values for BT

Test Position	Power Reduction	Mode	Duty Cycle	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 1gSAR 1.6 W/kg (mW/g)				Figure No.
									Measured SAR1g	Duty Cycle Scaling Factor	Scaling Factor	Report SAR1g	
Head SAR													
Left Touch	Full power	DH5	76.80%	39	2441	10.03	11.00	-0.03	0.129	1.30	1.25	0.210	/
Left Tilt 15°	Full power	DH5	76.80%	39	2441	10.03	11.00	-0.02	0.105	1.30	1.25	0.171	/
Right Touch	Full power	DH5	76.80%	39	2441	10.03	11.00	0.06	0.076	1.30	1.25	0.123	/
Right Tilt 15°	Full power	DH5	76.80%	39	2441	10.03	11.00	-0.11	0.043	1.30	1.25	0.070	/
Left Touch	Full power	DH5	76.60%	0	2402	8.75	10.00	-0.05	0.158	1.31	1.33	0.275	A.1-73
Left Touch	Full power	DH5	76.80%	78	2480	9.21	10.00	0.02	0.146	1.30	1.20	0.228	/
Body SAR (Body-worn 10mm)													
Front Side	Full power	DH5	76.80%	39	2441	10.03	11.00	0.10	0.038	1.30	1.25	0.063	/
Back Side	Full power	DH5	76.80%	39	2441	10.03	11.00	0.01	0.051	1.30	1.25	0.083	/
Back Side	Full power	DH5	76.60%	0	2402	8.75	10.00	0.03	0.060	1.31	1.33	0.105	A.1-74
Back Side	Full power	DH5	76.80%	78	2480	9.21	10.00	0.10	0.047	1.30	1.20	0.074	/
Body SAR (Hotspot 10mm)													
Front Side	Full power	DH5	76.80%	39	2441	10.03	11.00	0.10	0.038	1.30	1.25	0.063	/
Back Side	Full power	DH5	76.80%	39	2441	10.03	11.00	0.01	0.051	1.30	1.25	0.083	/
Left Side	Full power	DH5	76.80%	39	2441	10.03	11.00	-0.08	0.007	1.30	1.25	0.012	/
Right Side	Full power	DH5	76.80%	39	2441	10.03	11.00	0.03	0.039	1.30	1.25	0.063	/
Top Side	Full power	DH5	76.80%	39	2441	10.03	11.00	0.15	0.067	1.30	1.25	0.109	A.1-75
Top Side	Full power	DH5	76.60%	0	2402	8.75	10.00	0.05	0.066	1.31	1.33	0.114	/
Top Side	Full power	DH5	76.80%	78	2480	9.21	10.00	0.03	0.060	1.30	1.20	0.093	/
Test Position	Power Reduction	Mode	Duty Cycle	Channel	Frequency (MHz)	Measured power (dBm)	Tune-up (dBm)	Power Drift (dB)	Limit of 10gSAR 4.0 W/kg (mW/g)				Figure No.
									Measured SAR10g	Duty Cycle Scaling Factor	Scaling Factor	Report SAR10g	
Limb SAR (0mm)													
Front Side	Full power	DH5	76.80%	39	2441	10.03	11.00	0.00	0.094	1.30	1.25	0.153	/
Back Side	Full power	DH5	76.80%	39	2441	10.03	11.00	0.05	0.101	1.30	1.25	0.164	/
Left Side	Full power	DH5	76.80%	39	2441	10.03	11.00	-0.05	0.010	1.30	1.25	0.017	/
Right Side	Full power	DH5	76.80%	39	2441	10.03	11.00	-0.09	0.100	1.30	1.25	0.162	/
Top Side	Full power	DH5	76.80%	39	2441	10.03	11.00	-0.05	0.125	1.30	1.25	0.203	/
Top Side	Full power	DH5	76.60%	0	2402	8.75	10.00	-0.04	0.182	1.31	1.33	0.317	A.1-76
Top Side	Full power	DH5	76.80%	78	2480	9.21	10.00	-0.06	0.160	1.30	1.20	0.250	/

14.2 Simultaneous SAR Evaluation

Table 14.2-1 Max. Reported SAR for GSM/WCDMA/LTE

Simultaneous Transmission Table	Report SAR_{1g}(W/kg) / Test Position	Cellular																			Max.Report SAR_{1g} GSM/WCDMA/LTE
		GSM850	GSM1900	WCDMA Band Ⅱ	WCDMA Band Ⅳ	WCDMA Band Ⅴ	LTE B7	LTE B12	LTE B13	LTE B14	LTE B25	LTE B26 FCC	LTE B26 ISED	LTE B30	LTE B40	LTE B40	LTE B41	LTE B66	LTE B71	
Head	Left Touch	0.171	0.124	0.303	0.154	0.217	0.416	0.122	0.166	0.121	0.333	0.203	0.202	0.125	0.096	0.127	0.373	0.175	0.097		0.416
	Left Tilt 15°	0.113	0.052	0.112	0.065	0.136	0.155	0.053	0.076	0.062	0.168	0.108	0.107	0.067	0.045	0.061	0.08	0.076	0.071		0.168
	Right Touch	0.277	0.043	0.083	0.054	0.278	0.178	0.121	0.19	0.156	0.127	0.252	0.264	0.109	0.057	0.071	0.108	0.06	0.134		0.278
	Right Tilt 15°	0.115	0.04	0.057	0.042	0.148	0.172	0.05	0.087	0.072	0.148	0.103	0.102	0.069	0.039	0.065	0.105	0.074	0.062		0.172
Body SAR (Body-worn 10mm)	Front Side	0.168	0.120	0.164	0.136	0.221	0.517	0.095	0.110	0.094	0.207	0.210	0.208	0.116	0.081	0.135	0.245	0.114	0.156		0.517
	Back Side	0.521	0.642	1.154	0.922	0.581	0.880	0.371	0.407	0.350	1.120	0.494	0.494	1.130	0.637	0.758	0.939	1.115	0.444		1.154
Body SAR (Hotspot 10mm)	Front Side	0.168	0.120	0.164	0.136	0.221	0.517	0.095	0.110	0.094	0.207	0.210	0.208	0.116	0.081	0.135	0.245	0.114	0.156		0.517
	Back Side	0.521	0.642	1.154	0.922	0.581	0.880	0.371	0.407	0.350	1.120	0.494	0.494	1.130	0.637	0.758	0.939	1.115	0.444		1.154
	Left Side	0.124	0.223	0.396	0.282	0.190	0.690	0.096	0.099	0.076	0.479	0.174	0.172	0.490	0.271	0.298	0.410	0.294	0.072		0.690
	Right Side	0.266	0.012	0.034	0.044	0.298	0.059	0.143	0.220	0.176	0.036	0.314	0.311	0.016	0.006	0.007	0.043	0.030	0.097		0.314
	Top Side	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.000
	Bottom Side	0.329	0.167	0.292	0.267	0.380	0.300	0.129	0.237	0.197	0.480	0.350	0.347	0.329	0.191	0.222	0.329	0.437	0.085		0.480
Body SAR Define	Back Side(29mm)	N/A	0.263	0.465	0.584	N/A	0.257	N/A	N/A	N/A	0.431	N/A	N/A	N/A	N/A	N/A	N/A	0.480	N/A		0.584
	Bottom Side(19mm)	N/A	0.173	0.397	0.487	N/A	0.216	N/A	N/A	N/A	0.436	N/A	N/A	N/A	N/A	N/A	N/A	0.452	N/A		0.487
Simultaneous Transmission Table	Report SAR_{10g}(W/kg) / Test Position	Cellular																			Max.Report SAR_{10g} GSM/WCDMA/LTE
		GSM850	GSM1900	WCDMA Band Ⅱ	WCDMA Band Ⅳ	WCDMA Band Ⅴ	LTE B7	LTE B12	LTE B13	LTE B14	LTE B25	LTE B26 FCC	LTE B26 IC	LTE B30	LTE B40	LTE B40	LTE B41	LTE B66	LTE B71		
Limb SAR(0mm)	Front Side	0.422	0.200	0.335	0.265	0.522	0.768	0.267	0.349	0.237	0.413	0.449	0.446	0.328	0.212	0.305	0.521	0.294	0.187		0.768
	Back Side	0.809	0.308	0.868	0.535	0.496	1.515	0.689	0.619	0.530	0.861	0.520	0.515	2.243	1.361	1.525	1.043	0.676	0.948		2.243
	Left Side	0.348	0.712	1.460	1.009	0.357	2.403	0.135	0.215	0.179	1.712	0.307	0.305	1.306	0.641	0.929	1.518	1.100	0.078		2.403
	Right Side	0.255	0.018	0.067	0.049	0.259	0.111	0.181	0.221	0.174	0.054	0.307	0.304	0.006	0.013	0.027	0.087	0.032	0.099		0.307
	Top Side	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.000
	Bottom Side	0.915	0.315	0.773	0.602	0.877	0.578	0.395	0.522	0.426	0.832	0.894	0.894	0.822	0.480	0.476	0.817	0.718	0.262		0.915

Note: Data marked in black in the table will be calculated separately, as detailed in Table 14.2-4.

Table 14.2-2 Max. Reported SAR for Wi-Fi/BT

Simultaneous Transmission Table	Report SAR_{1g}(W/kg) / Test Position	Non-Cellular						
		Max.Report SAR_{1g} BT	Max.Report SAR_{1g} Wi-Fi 2.4G	Wi-Fi 5G				Max.Report SAR_{1g} Wi-Fi 5G
				U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	
Head	Left Touch	0.275	1.045	0.423	0.484	0.481	0.474	0.484
	Left Tilt 15°	0.171	0.732	0.311	0.453	0.488	0.442	0.488
	Right Touch	0.123	0.464	0.503	0.493	0.59	0.395	0.590
	Right Tilt 15°	0.070	0.410	0.431	0.548	0.608	0.396	0.608
Body SAR (Body-worn 10mm)	Front Side	0.063	0.237	0.152	0.204	0.186	0.123	0.204
	Back Side	0.105	0.356	0.270	0.311	0.543	0.562	0.562
Body SAR (Hotspot 10mm)	Front Side	0.063	0.237	0.152	0.204	0.186	0.123	0.204
	Back Side	0.083	0.270	0.245	0.311	0.543	0.562	0.562
	Left Side	0.012	0.055	0.000	0.000	0.009	0.005	0.009
	Right Side	0.063	0.342	0.238	0.271	0.397	0.408	0.408
	Top Side	0.114	0.401	0.378	0.341	0.394	0.269	0.394
	Bottom Side	N/A	N/A	N/A	N/A	N/A	N/A	0.000
Body SAR Define	Back Side(29mm)	0.105	0.356	0.270	0.311	0.543	0.562	0.562
	Bottom Side(19mm)	N/A	N/A	N/A	N/A	N/A	N/A	0.000
Simultaneous Transmission Table	Report SAR_{10g}(W/kg) / Test Position	Non-Cellular						
		Max.Report SAR_{10g} BT	Max.Report SAR_{10g} Wi-Fi 2.4G	Wi-Fi 5G				Max.Report SAR_{10g} Wi-Fi 5G
				U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	
Limb SAR(0mm)	Front Side	0.153	0.632	0.184	0.200	0.319	0.245	0.319
	Back Side	0.164	0.553	0.326	0.370	0.826	0.392	0.826
	Left Side	0.017	0.084	0.000	0.000	0.013	0.010	0.013
	Right Side	0.162	0.869	0.556	0.504	0.582	0.864	0.864
	Top Side	0.317	0.779	0.243	0.287	0.460	0.343	0.460
	Bottom Side	N/A	N/A	N/A	N/A	N/A	N/A	0.000

Table 14.2-3 Simultaneous transmission SAR

Simultaneous Transmission Table	Report SAR_{1g}(W/kg) / Test Position	Max.Report SAR_{1g} GSM/WCDMA/LTE	Non-Cellular			WWAN+BT	WWAN+Wi-Fi 2.4G	WWAN+Wi-Fi 5G	MAX.ΣSAR_{1g}
			Max.Report SAR_{1g} BT	Max.Report SAR_{1g} Wi-Fi 2.4G	Max.Report SAR_{1g}Wi-Fi 5G				
Head	Left Touch	0.416	0.275	1.045	0.484	0.691	1.461	0.900	1.46
	Left Tilt 15°	0.168	0.171	0.732	0.488	0.339	0.900	0.656	0.90
	Right Touch	0.278	0.123	0.464	0.590	0.401	0.742	0.868	0.87
	Right Tilt 15°	0.172	0.070	0.410	0.608	0.242	0.582	0.780	0.78
Body SAR (Body-worn 10mm)	Front Side	0.517	0.063	0.237	0.204	0.580	0.754	0.721	0.75
	Back Side	1.154	0.105	0.356	0.562	1.259	1.510	1.501	1.51
Body SAR (Hotspot 10mm)	Front Side	0.517	0.063	0.237	0.204	0.580	0.754	0.721	0.75
	Back Side	1.154	0.083	0.270	0.562	1.237	1.424	1.501	1.50
	Left Side	0.690	0.012	0.055	0.009	0.702	0.745	0.699	0.75
	Right Side	0.314	0.063	0.342	0.408	0.377	0.656	0.722	0.72
	Top Side	0.000	0.114	0.401	0.394	0.114	0.401	0.394	0.40
	Bottom Side	0.480	N/A	N/A	0.000	0.480	0.480	0.480	0.48
Body SAR Define	Back Side(29mm)	0.584	0.105	0.356	0.562	0.689	0.940	1.146	1.15
	Bottom Side(19mm)	0.487	N/A	N/A	0.000	0.487	0.487	0.487	0.49
Simultaneous Transmission Table	Report SAR_{10g}(W/kg) / Test Position	Max.Report SAR_{10g} GSM/WCDMA/LTE	Non-Cellular			WWAN+BT	WWAN+Wi-Fi 2.4G	WWAN+Wi-Fi 5G	MAX.Σ SAR_{10g}
			Max.Report SAR_{10g} BT	Max.Report SAR_{10g} Wi-Fi 2.4G	Max.Report SAR_{10g}Wi-Fi 5G				
Limb SAR(0mm)	Front Side	0.768	0.153	0.632	0.319	0.921	1.400	1.087	1.40
	Back Side	2.243	0.164	0.553	0.826	2.407	2.796	3.069	3.07
	Left Side	2.403	0.017	0.084	0.013	2.420	2.487	2.416	2.49
	Right Side	0.307	0.162	0.869	0.864	0.469	1.176	1.171	1.18
	Top Side	0.000	0.317	0.779	0.460	0.317	0.779	0.460	0.78
	Bottom Side	0.915	N/A	N/A	0.000	0.915	0.915	0.915	0.92

Table 14.2-4 Results of SPLSR(SAR to peak location separation ratio) Analysis

Band	Position	SAR(W/kg)	GAP(mm)	SAR peak location (mm)			Band	Position	SAR (W/kg)	GAP (mm)	SAR peak location (mm)			Summed SAR	3D distance (mm)	SPLSR Results	FCC limit	ISED limit	Figure No.
				X	Y	Z					X	Y	Z						
WCDMA BandⅡ	Back Side	1.154	10	-28	82	-208	U-NII-3	Back Side	0.562	10	-18	-58	-208	1.72	140.36	0.016	≤0.04	≤0.02	14.2-1
LTE B25	Back Side	1.120	10	-30	82	-208	U-NII-3	Back Side	0.562	10	-18	-58	-208	1.68	140.51	0.016	≤0.04	≤0.02	14.2-2
LTE B30	Back Side	1.130	10	-50	68	-208	U-NII-3	Back Side	0.562	10	-18	-58	-208	1.69	130.00	0.017	≤0.04	≤0.02	14.2-3
LTE B66	Back Side	1.115	10	-26	82	-208	U-NII-3	Back Side	0.562	10	-18	-58	-208	1.68	140.23	0.015	≤0.04	≤0.02	14.2-4
Band	Position	SAR(W/kg)	GAP(mm)	SAR peak location (mm)			Band	Position	SAR(W/kg)	GAP(m m)	SAR peak location (mm)			Summed SAR	3D distance (mm)	SPLSR Results	FCC limit	ISED limit	Figure No.
				X	Y	Z					X	Y	Z						
WCDMA BandⅡ	Back Side	1.154	10	-28	82	-208	U-NII-2C	Back Side	0.543	10	-10	-60	-208	1.70	143.14	0.015	≤0.04	≤0.02	14.2-5
LTE B25	Back Side	1.120	10	-30	82	-208	U-NII-2C	Back Side	0.543	10	-10	-60	-208	1.66	143.40	0.015	≤0.04	≤0.02	14.2-6
LTE B30	Back Side	1.130	10	-50	68	-208	U-NII-2C	Back Side	0.543	10	-10	-60	-208	1.67	134.10	0.016	≤0.04	≤0.02	14.2-7
LTE B66	Back Side	1.115	10	-26	82	-208	U-NII-2C	Back Side	0.543	10	-10	-60	-208	1.66	142.90	0.015	≤0.04	≤0.02	14.2-8

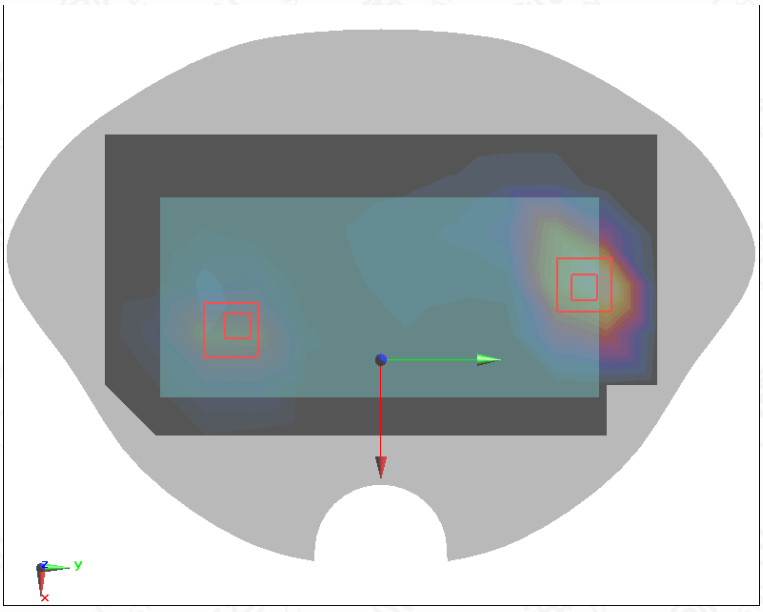


Figure 14.2-1

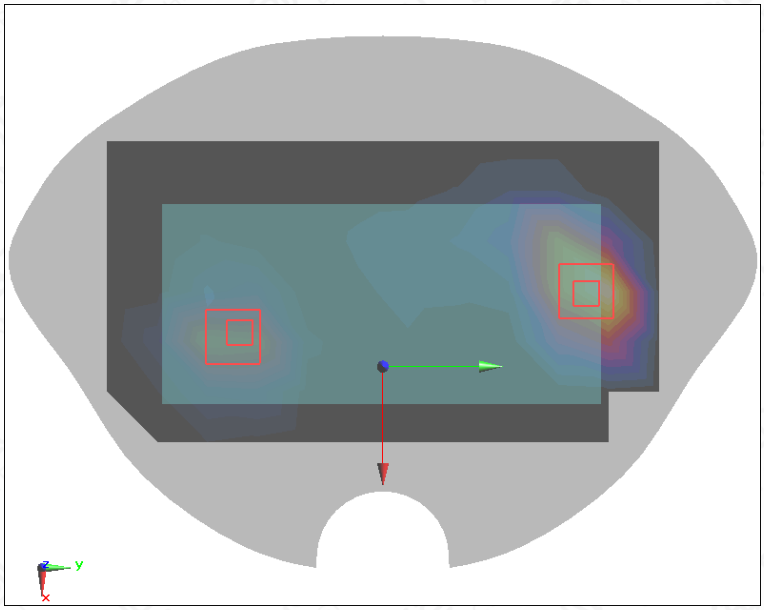


Figure 14.2-2

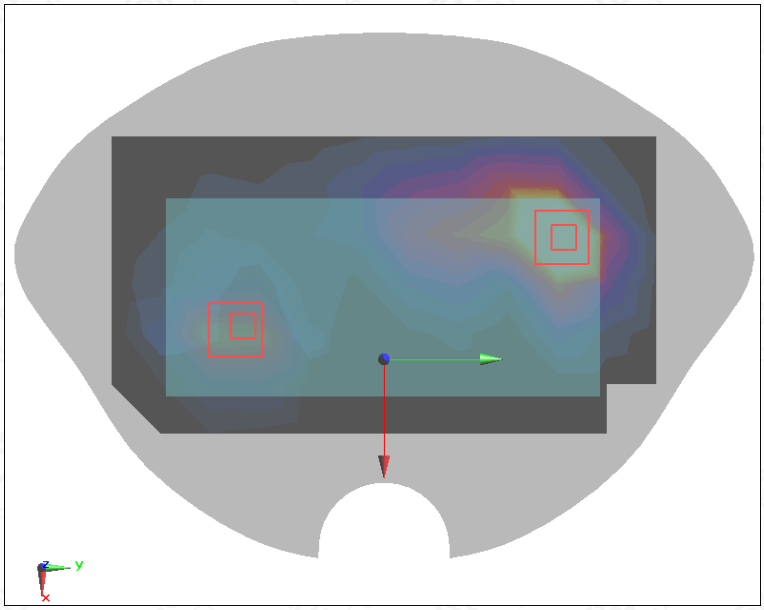


Figure 14.2-3

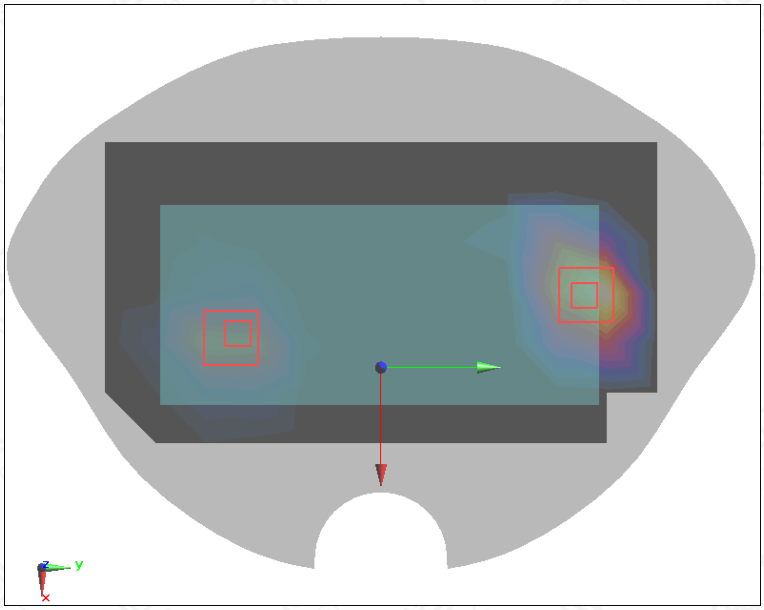


Figure 14.2-4

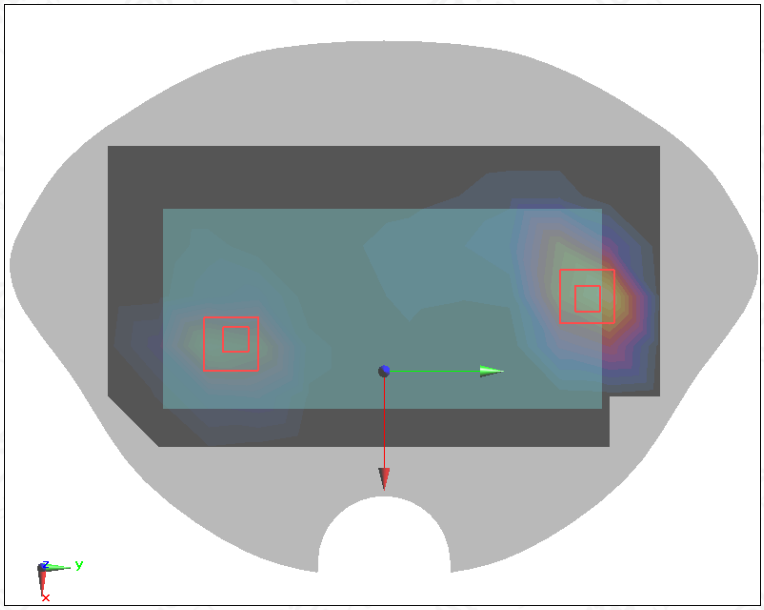


Figure 14.2-5

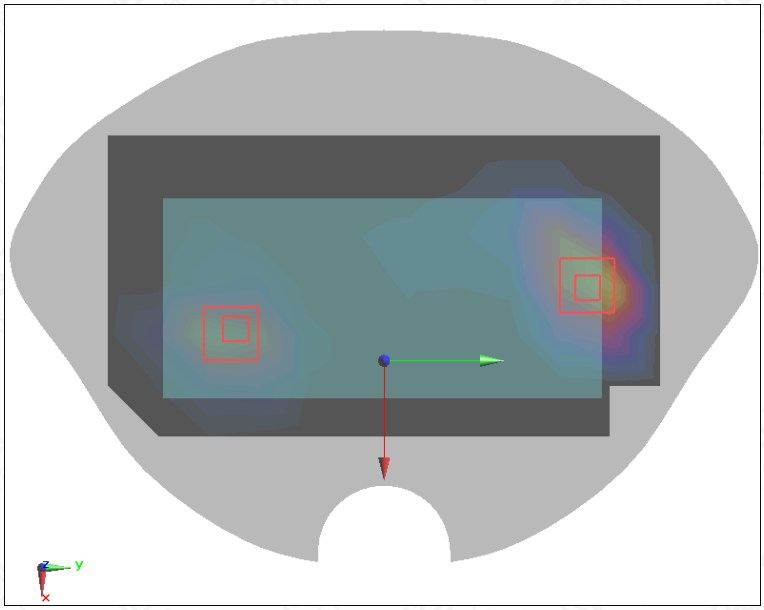


Figure 14.2-6

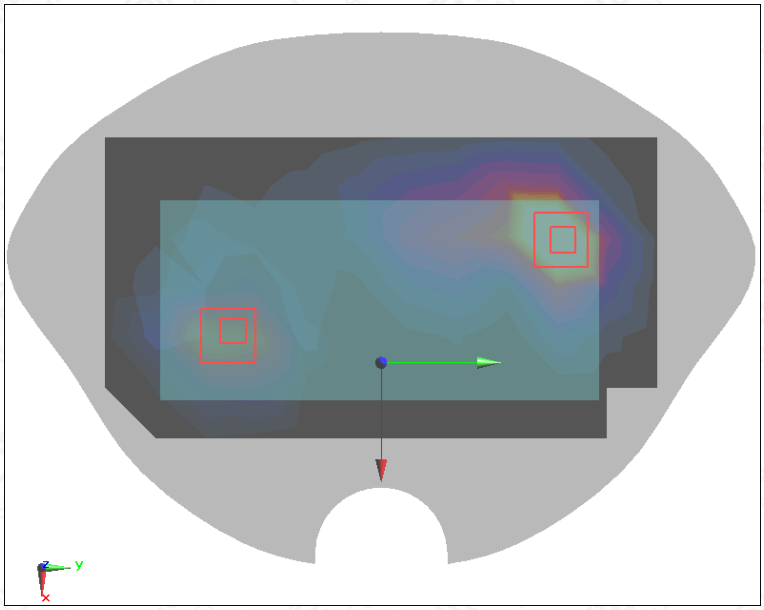


Figure 14.2-7

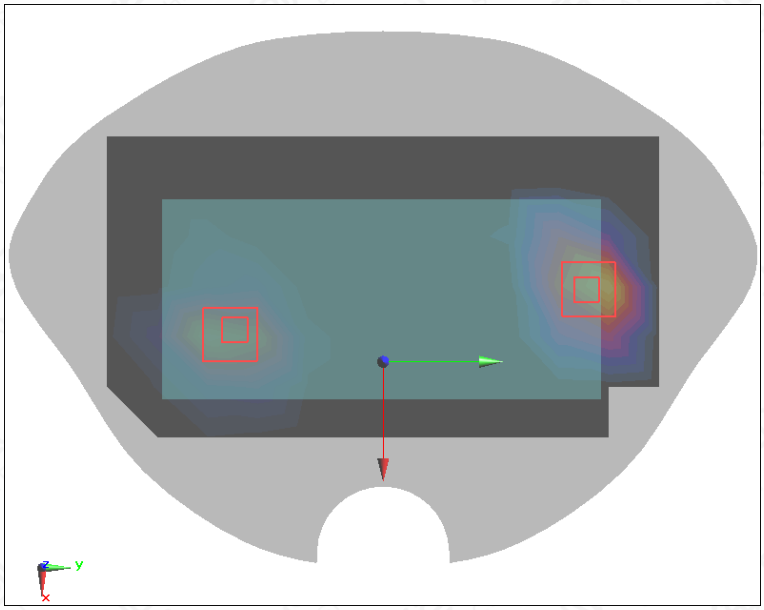


Figure 14.2-8

14.3 SAR Measurement Variability

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

The following procedures are applied to determine if repeated measurements are required.

(a) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps(b) through (d) do not apply.

(b) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.

(c) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45W/kg (~ 10% from the 1-g SAR limit).

(d) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

Table 14.3-1: SAR Measurement Variability (1g)

Frequency		Configuration	Test Position	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio
MHz	Ch.					
1852.4	9262	RMC12.2k	Back Side 10mm	1.010	1.000	1.010
1732.6	1413	RMC12.2k	Back Side 10mm	0.860	0.810	1.062
1860	26140	20MHz 1RB 50offset	Back Side 10mm	0.910	0.905	1.006
2310	27710	10MHz 1RB 25offset	Back Side 10mm	0.976	0.977	1.001
1770	132572	20MHz 50RB 25offset	Back Side 10mm	0.950	0.951	1.001

Note: According to the KDB 865664 D01 repeated measurement is not required when the original highest measured SAR is < 0.8 W/kg.

15 SAR Reduction Function Validation Procedure

15.1 Reference Document (Power Reduction for Proximity Sensor)

A proximity sensor for power reduction is implemented in this device to address RF exposure compliance when the cellular antenna is positioned close to the user's body. The sensor's mechanical structure is designed to fit within the enclosure design used in this device and also extended around the edge and top of the antenna element in order to optimize sensitivity in these orientations.

15.2 Procedures for Determining Proximity Sensor Triggering Distances

The following procedures should be applied to determine proximity sensor triggering distances for the back surface and individual edges of a tablet. Conducted power is monitored qualitatively to identify the general triggering characteristics and recorded quantitatively, versus spacing, as required by the procedures. Unless there is built-in test software that reports the triggering conditions and enables the power levels to be confirmed separately, monitoring of conducted power during the triggering tests typically requires internal access to the antenna ports inside the tablet, which may interfere with the triggering tests.

(a) The relevant transmitter should be set to operate at its normal maximum output power.

(b) The entire back surface or edge of the tablet is positioned below a flat phantom filled with the required tissue-equivalent medium, and positioned at least 20 mm further than the distance that triggers power reduction.

(c) It should be ensured that the cables required for power measurements are not interfering with the proximity sensor. Cable losses should be properly compensated to report the measured power results.

(d) The back surface or edge is moved toward the phantom in 3 mm steps until the sensor triggers.

(e) The back surface or edge is then moved back (further away) from the phantom by at least 5 mm or until maximum output power is returned to the normal maximum level.

(f) If the tablet is not touching the phantom, it is moved in 3 mm steps until it touches the phantom to confirm that the sensor remains triggered and the maximum power stays reduced.

(g) The process is then reversed by moving the tablet away from the phantom according to steps 4) to 7), to determine triggering release, until it is at least 10 mm beyond the point that triggers the return of normal maximum power.

(h) The measured output power within ± 5 mm of the triggering points, or until the tablet is touching the phantom, for movements to and from the phantom should be tabulated in the SAR report.

(i) (9) If the sensor design and implementation allow additional variations for triggering distance tolerances, multiple samples should be tested to determine the most conservative distance required for SAR evaluation.

To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for movements to and from the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.

15.3 Procedures for Determining Antenna and Proximity Sensor Coverage

The sensing regions are usually limited to areas near the sensor element. If a sensor is spatially offset

from the antenna(s), it is necessary to verify sensor triggering for conditions where the antenna is next to the user but the sensor is laterally further away to ensure sensor coverage is sufficient for reducing the power to maintain compliance. The following are used to determine if additional SAR measurements may be necessary due to sensor and antenna offset. 25 These procedures do not apply and are not required for configurations where the antenna and sensor are collocated and the peak SAR location is overlapping with the sensor.

(a) The back surface or edge of the tablet is positioned at a test separation distance less than or equal to the distance required for back surface or edge triggering, with both the antenna and sensor pad located at least 20 mm laterally outside the edge (boundary) of the phantom, along the direction of maximum antenna and sensor offset. For the back surface, if the direction of maximum offset is not aligned with the tablet coordinates (physical edges) the tablet test position would not be aligned with the phantom coordinates (orientations). Each applicable tablet edge should be positioned perpendicularly to the phantom to determine sensor coverage. For antennas and/or sensors located near the corner of a tablet, both adjacent edges must be considered.

(b) The similar sequence of steps applied to determine sensor triggering distance are used to verify back surface and edge sensor coverage by moving the tablet (sensor and antenna) horizontally toward the phantom while maintaining the same vertical separation between the back surface or edge and the phantom.

(c) After the exact location where triggering of power reduction is determined, with respect to the sensor and antenna, the tablet movement should be continued, in 3 mm increments, until both the sensor and antenna(s) are fully under the phantom and at least 20 mm inside the phantom edge.

(d) The process is then repeated from the opposite direction, starting at the other end of the maximum antenna and sensor offset, by rotating the tablet 180° along the vertical axis.

(e) The triggering points should be documented graphically, with the antenna and sensor clearly identified, along with all relevant dimensions.

If the subsequently measured peak SAR location for the antenna is not between the triggering points, established by the sensor coverage tests from opposite ends of the antenna and sensor, additional SAR tests may be required for conditions where only part of the back surface or edge of a tablet corresponding to the antenna is in proximity to the user and the sensor may not be triggering as desired. A KDB inquiry must be submitted by the test lab to determine if additional tests are required and the proper test configurations to use for testing. This may include situations where the sensor coverage region is too small for the antenna, the sensor is located too far away from the antenna, the sensor location is insufficient to cover multiple antennas or the antenna is at the corner of a tablet etc.

15.4 Proximity Sensor Status Table of Trigger Distance

Proximity Sensor Status Table when DUT is moving towards the phantom:

The following tables summarize the key power reduction information for proximity sensor. The test procedures be applied to determine proximity sensor triggering distances, and sensor coverage for normal and tilt positions.

Table 15.4-1 Power reduction for proximity sensor

Main Antenna			
Band	Test position	Sensor Trigger Distance range (DUT to Phantom)	Power reduction amount(dB)
PCS1900 GPRS 1TS	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	1.5
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	1.5
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	1.5
		distance>20mm	0.0
PCS1900 GPRS 2TS	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	1.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	1.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	1.0
		distance>20mm	0.0
PCS1900 GPRS 3TS	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	1.5
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	1.5
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	1.5
		distance>20mm	0.0
PCS1900 GPRS 4TS	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	2.5
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	2.5
		distance>6mm	0.0

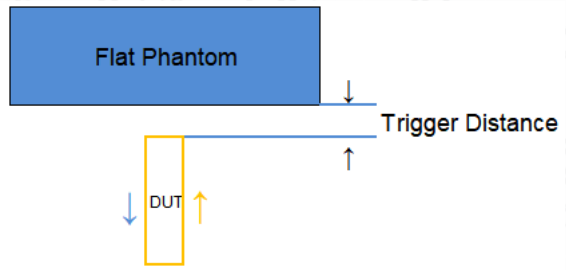
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	2.5
		distance>20mm	0.0
WCDMA Band Ⅱ RMC	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	4.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	4.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	4.0
		distance>20mm	0.0
WCDMA Band Ⅳ RMC	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	6.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	6.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	6.0
		distance>20mm	0.0
LTE Band 2 QPSK	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	4.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	4.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	4.0
		distance>20mm	0.0
LTE Band 4 QPSK	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	5.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	5.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	5.0
		distance>20mm	0.0
LTE Band 7 QPSK	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	2.5

		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	2.5
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	2.5
		distance>20mm	0.0
LTE Band 25 QPSK	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	4.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	4.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	4.0
		distance>20mm	0.0
LTE Band 66 QPSK	Front side	N/A	0.0
	Back side	0mm≤distance≤30mm	5.0
		distance>30mm	0.0
	Left side	0mm≤distance≤6mm	5.0
		distance>6mm	0.0
	Right side	N/A	0.0
	Top side	N/A	0.0
	Bottom side	0mm≤distance≤20mm	5.0
		distance>20mm	0.0

Procedures for determining proximity sensor triggering distances:

The device was tested by the test lab to determine the proximity sensor triggering distances for the Back/Bottom/Left side of the device. To ensure all production units are compliant, the smallest separation distance determined by the sensor triggering minus 1 mm, must be used as the test separation distance for SAR testing.

The Proximity sensor triggering distance measurement method are as below:



The following table is the summary of the trigger distance.

Table 15.4-2 Trigger distance

Band	Trigger distance-Back side		Trigger distance-Bottom side		Trigger distance-Left side	
	Moving toward Phantom	Moving away from Phantom	Moving toward Phantom	Moving away from Phantom	Moving toward Phantom	Moving away from Phantom
PCS1900	30mm	30mm	20mm	20mm	6mm	6mm
WCDMA Band Ⅱ	30mm	30mm	20mm	20mm	6mm	6mm
WCDMA BandⅣ	30mm	30mm	20mm	20mm	6mm	6mm
LTE Band 2	30mm	30mm	20mm	20mm	6mm	6mm
LTE Band 4	30mm	30mm	20mm	20mm	6mm	6mm
LTE Band 7	30mm	30mm	20mm	20mm	6mm	6mm
LTE Band 25	30mm	30mm	20mm	20mm	6mm	6mm
LTE Band 66	30mm	30mm	20mm	20mm	6mm	6mm

15.5 Tilt Angle Influences to Proximity Sensor Triggering

The following procedure is used to determine the tilt angle influences to proximity sensor triggering.

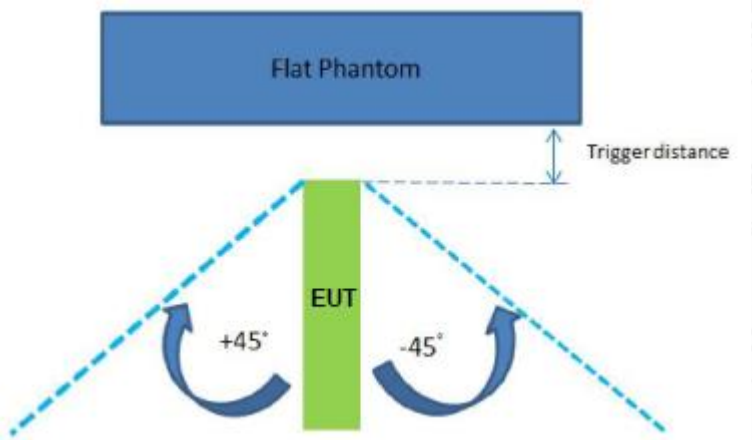


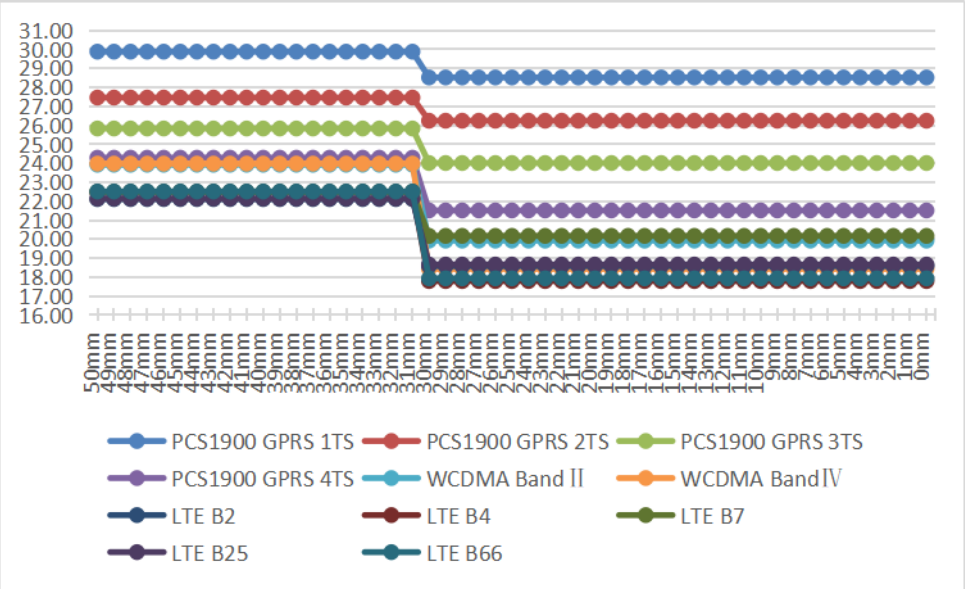
Table 15.5-1 Summary of tilt angle

Test position	Minimum trigger distance at which power reduction was maintained over ±45°	Power Reduction Status										
		-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
Back side	30mm	on	on	on	on	on	on	on	on	on	on	on
Bottom side	20mm	on	on	on	on	on	on	on	on	on	on	on
Left side	6mm	on	on	on	on	on	on	on	on	on	on	on

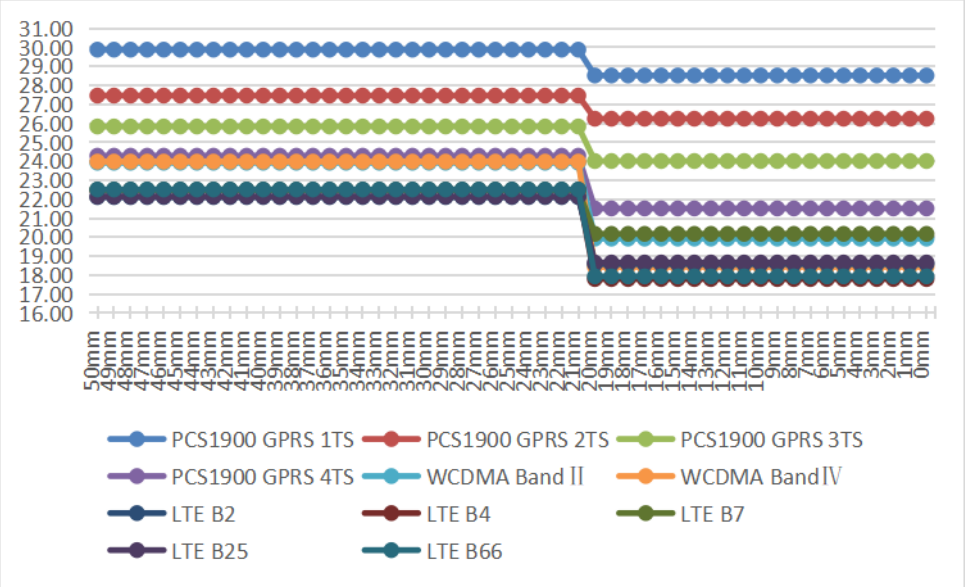
15.6 Power Reduction per Air-interface

The following graphs show the detailed conducted power and the distance from the DUT to the flat phantom for the Back/Bottom/Left side.

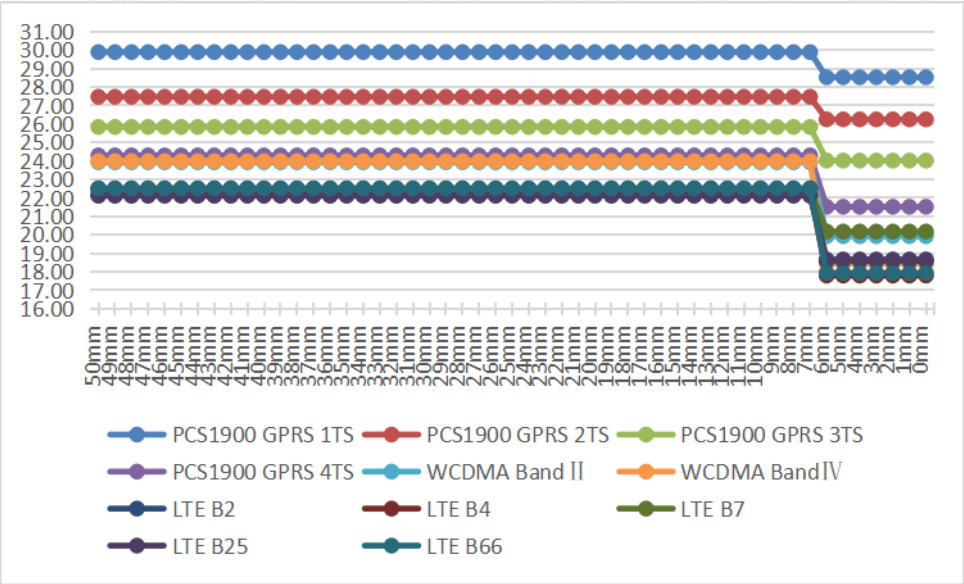
Back Side:



Bottom Side:



Left Side:



15.7 Proximity Sensor Coverage Area

Proximity Sensor Coverage Area of not request when the antenna and sensor are collocated and the peak SAR location is overlapping with the sensor.

Annex A: Measurement Data

A.1 SAR Graph Results

GSM850 Right Touch Mode High

Date/Time: 2024/12/19

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.907 S/m; ε_r = 42.402; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.3°C

Communication System: Generic GSM 900MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Probe: EX3DV4 - SN7634ConvF(10.19, 10.19, 10.19) @ 848.8 MHz

GSM850 Right Touch Mode High/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.274 W/kg

GSM850 Right Touch Mode High/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.665 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.326 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.174 W/kg

Smallest distance from peaks to all points 3 dB below = 22.7 mm

Ratio of SAR at M2 to SAR at M1 = 75.1%

Maximum of SAR (measured) = 0.290 W/kg

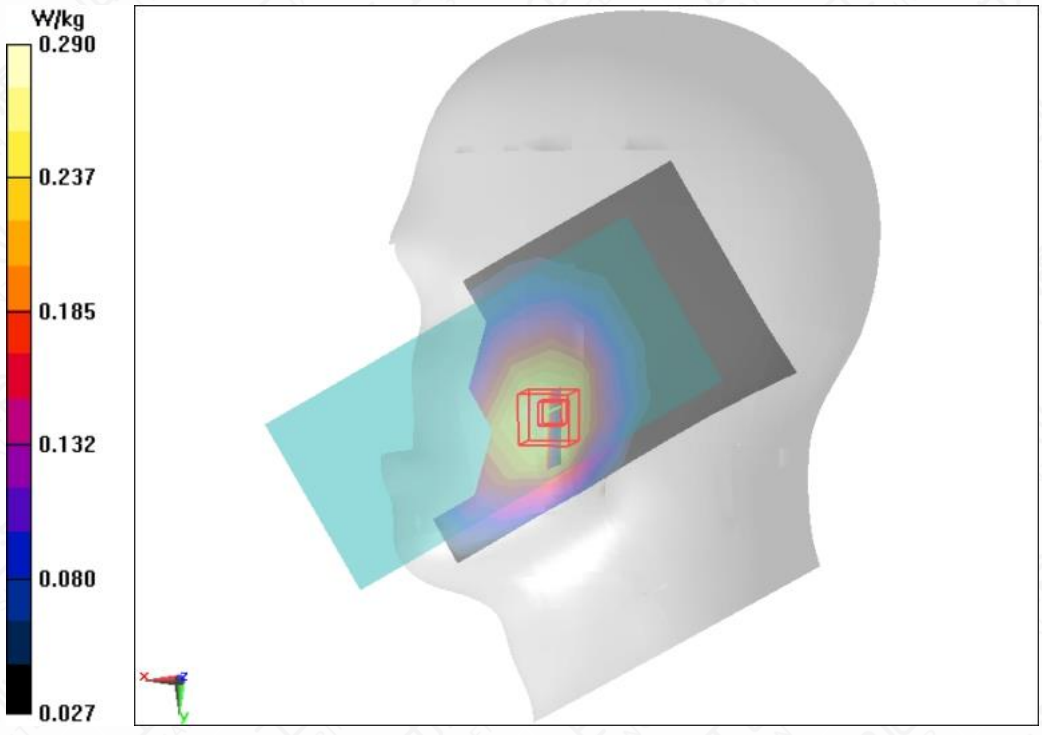


Figure A.1-1 GSM850 Right Touch Mode High

GSM850 GPRS4TS Back Side Mode High 10mm

Date/Time: 2024/12/19

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.907 S/m; ε_r = 42.402; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.3°C

Communication System: GPRS 850 4TS 900MHz; Frequency: 848.8 MHz; Duty Cycle: 1:2

Probe: EX3DV4 - SN7634ConvF(10.19, 10.19, 10.19) @ 848.8 MHz

GSM850 GPRS4TS Back Side Mode High 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.499 W/kg

GSM850 GPRS4TS Back Side Mode High 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.95 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.816 W/kg

SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.231 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 54.2%

Maximum of SAR (measured) = 0.656 W/kg

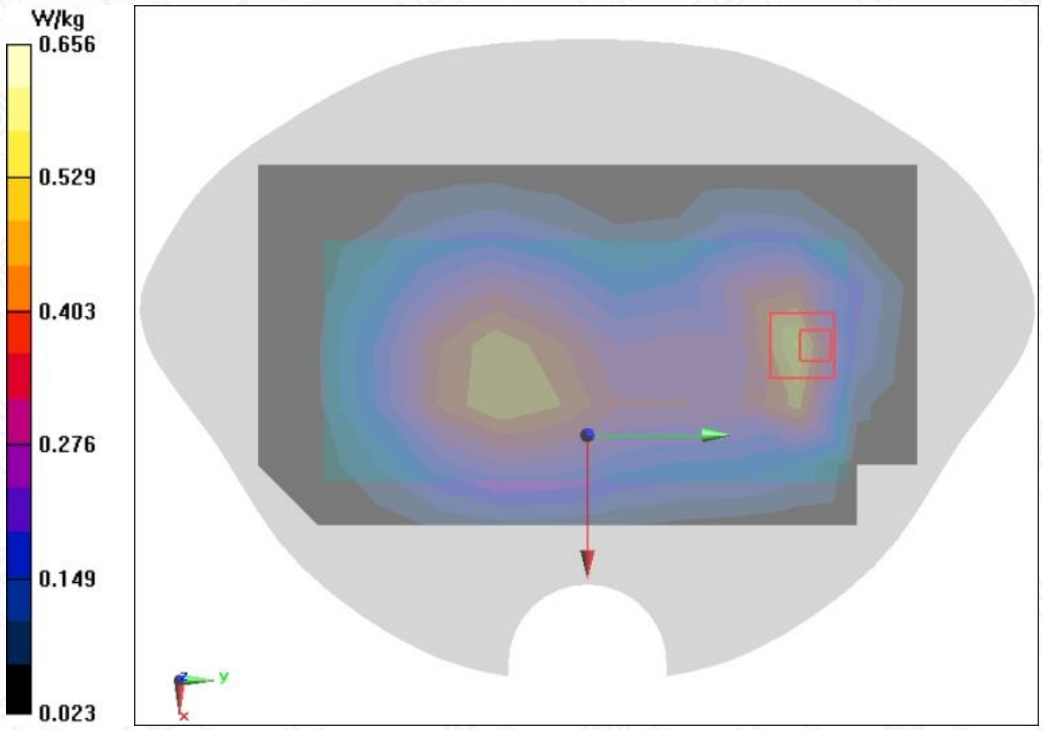


Figure A.1-2 GSM850 GPRS4TS Back Side Mode High 10mm

GSM850 GPRS4TS Bottom Side Mode High 0mm

Date/Time: 2024/12/19

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.907 S/m; ε_r = 42.402; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.3°C

Communication System: GPRS 850 4TS 900MHz; Frequency: 848.8 MHz; Duty Cycle: 1:2

Probe: EX3DV4 - SN7634ConvF(10.19, 10.19, 10.19) @ 848.8 MHz

GSM850 GPRS4TS Bottom Side Mode High 0mm/Area Scan (5x7x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.70 W/kg

GSM850 GPRS4TS Bottom Side Mode High 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.93 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 4.84 W/kg

SAR(1 g) = 1.47 W/kg; SAR(10 g) = 0.752 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 43.1%

Maximum of SAR (measured) = 2.82 W/kg

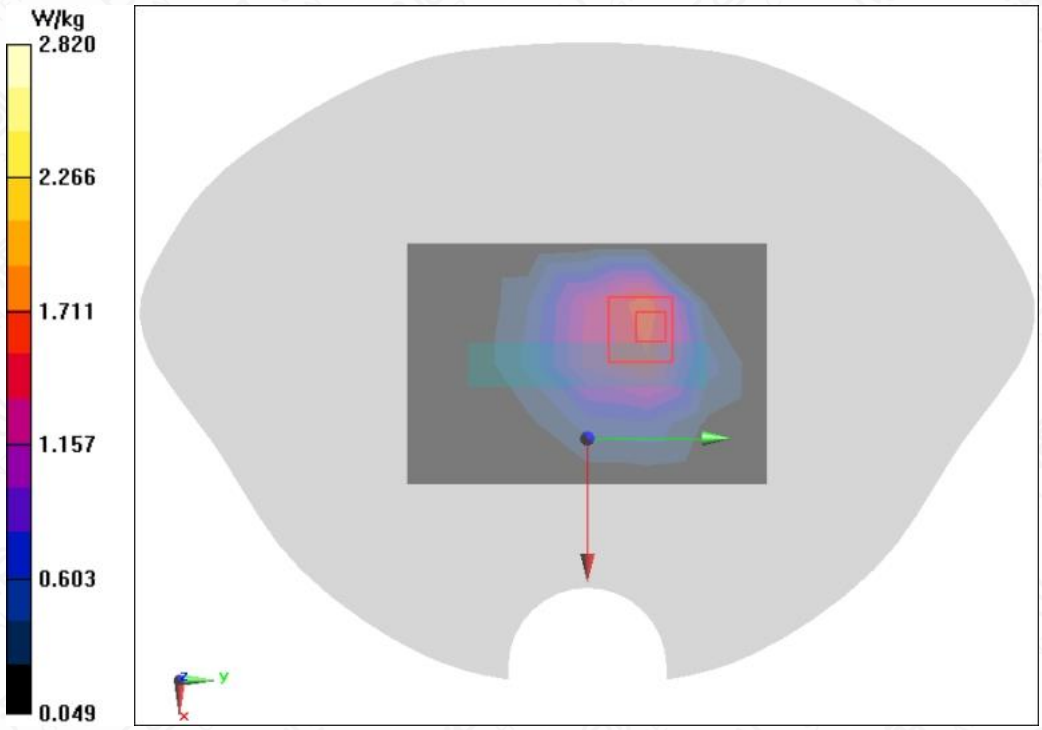


Figure A.1-3 GSM850 GPRS4TS Bottom Side Mode High 0mm

PCS1900 Left Touch Mode Low

Date/Time: 2024/12/26

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.378 S/m; ε_r = 39.082; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.5°C

Communication System: GSM Professional 1750MHz; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Probe: EX3DV4 - SN7634ConvF(8.51, 8.51, 8.51) @ 1850.2 MHz

PCS1900 Left Touch Mode Low/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.147 W/kg

PCS1900 Left Touch Mode Low/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.232 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.175 W/kg

SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.065 W/kg

Smallest distance from peaks to all points 3 dB below = 13.5 mm

Ratio of SAR at M2 to SAR at M1 = 62.7%

Maximum value of SAR (measured) = 0.151 W/kg

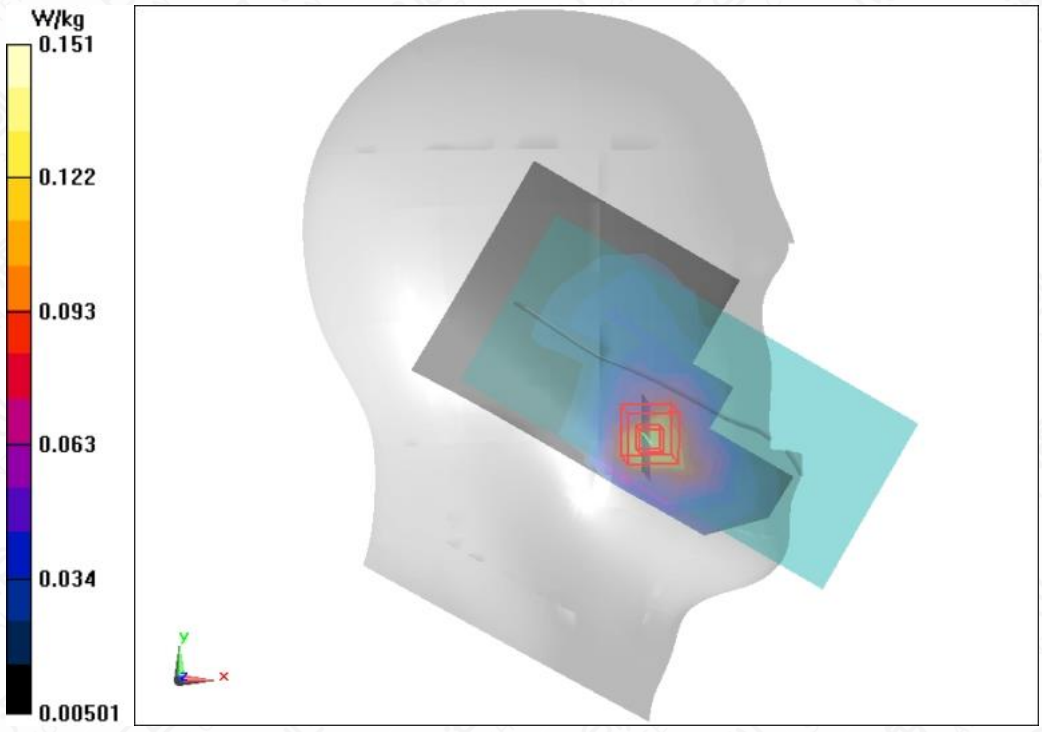


Figure A.1-4 PCS1900 Left Touch Mode Low

PCS1900 GPRS2TS Back Side Mode Low 10mm

Date/Time: 2025/1/14

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.37 S/m; ε_r = 38.535; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.4°C

Communication System: GPRS1900 2TS 1900MHz; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Probe: EX3DV4 - SN7634ConvF(8.51, 8.51, 8.51) @ 1850.2 MHz

PCS1900 GPRS2TS Back Side Mode Low 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.444 W/kg

PCS1900 GPRS2TS Back Side Mode Low 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.725 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.986 W/kg

SAR(1 g) = 0.539 W/kg; SAR(10 g) = 0.279 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 56.2%

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

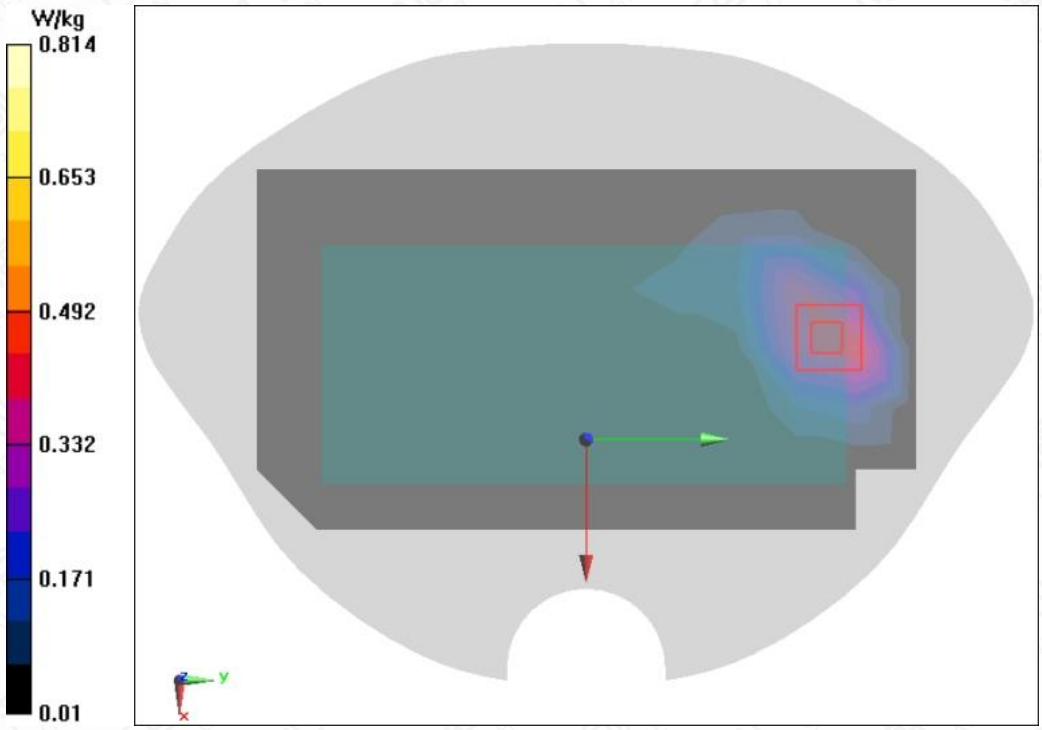


Figure A.1-5 PCS1900 GPRS2TS Back Side Mode Low 10mm

PCS1900 GPRS4TS Left Side Mode Low 0mm

Date/Time: 2024/12/26

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.378 S/m; ε_r = 39.082; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.5°C

Communication System: GPRS1900 4TS 1900MHz; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Probe: EX3DV4 - SN7634ConvF(8.51, 8.51, 8.51) @ 1850.2 MHz

PCS1900 GPRS4TS Left Side Mode Low 0mm/Area Scan (5x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.10 W/kg

PCS1900 GPRS4TS Left Side Mode Low 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.18 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.54 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.605 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 47.5%

Maximum value of SAR (measured) = 2.00 W/kg

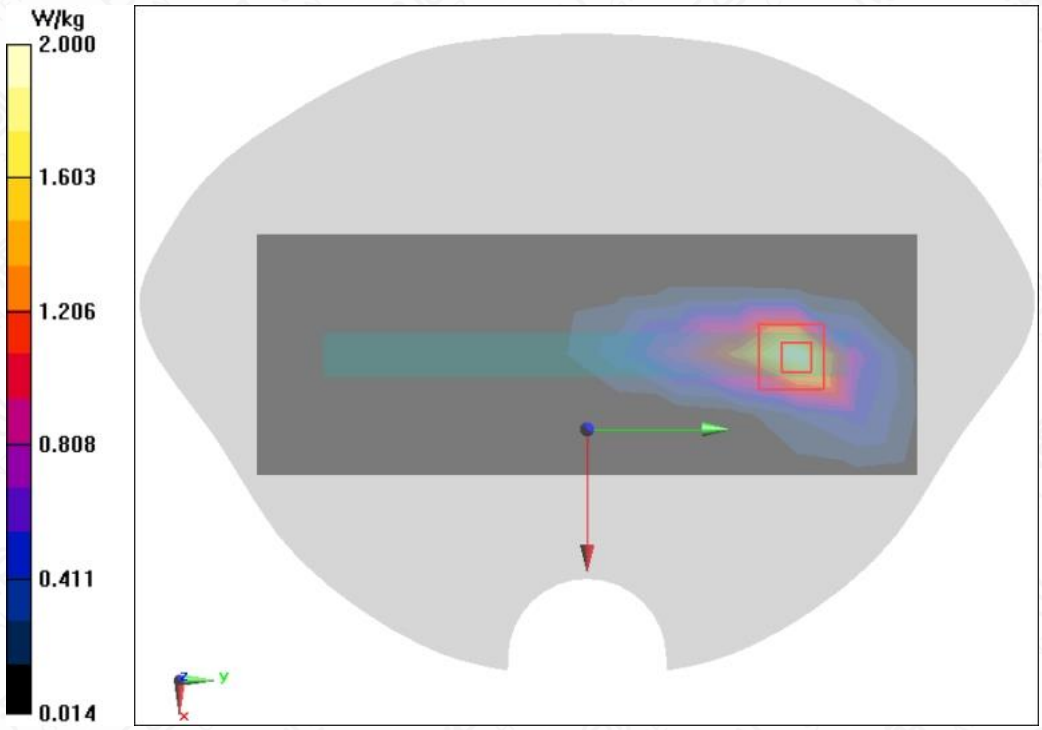


Figure A.1-6 PCS1900 GPRS4TS Left Side Mode Low 0mm

WCDMA Band Ⅱ Left Touch Mode High

Date/Time: 2024/12/26

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.416 S/m; ε_r = 39.023; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.5°C

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

Probe: EX3DV4 - SN7634ConvF(8.51, 8.51, 8.51) @ 1907.6 MHz

WCDMA Band Ⅱ Left Touch Mode High/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.315 W/kg

WCDMA Band Ⅱ Left Touch Mode High/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.069 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.551 W/kg

SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.136 W/kg

Smallest distance from peaks to all points 3 dB below = 8.7 mm

Ratio of SAR at M2 to SAR at M1 = 61.2%

Maximum of SAR (measured) = 0.302 W/kg

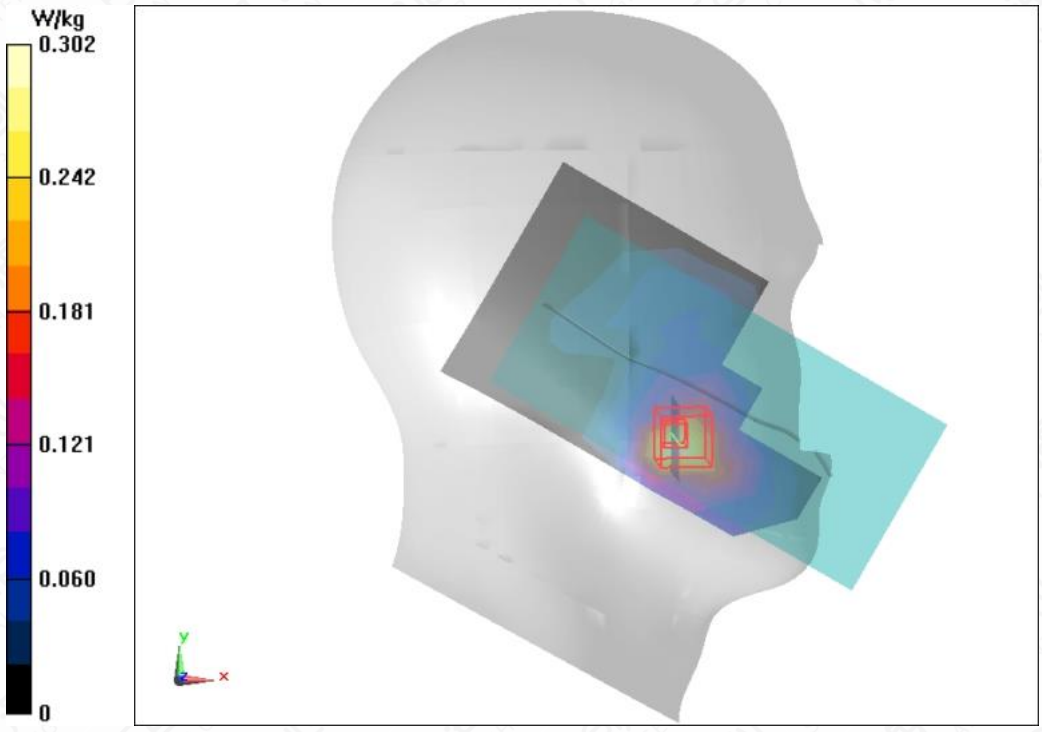


Figure A.1-7 WCDMA Band Ⅱ Left Touch Mode High

WCDMA Band Ⅱ Back Side Mode Low 10mm

Date/Time: 2025/1/14

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.372 S/m; ε_r = 38.534; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.4°C

Communication System: WCDMA Band Ⅱ; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.51, 8.51, 8.51) @ 1852.4 MHz

WCDMA Band Ⅱ Back Side Mode Low 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.880 W/kg

WCDMA Band Ⅱ Back Side Mode Low 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.260 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.526 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 55.7%

Maximum value of SAR (measured) = 1.55 W/kg

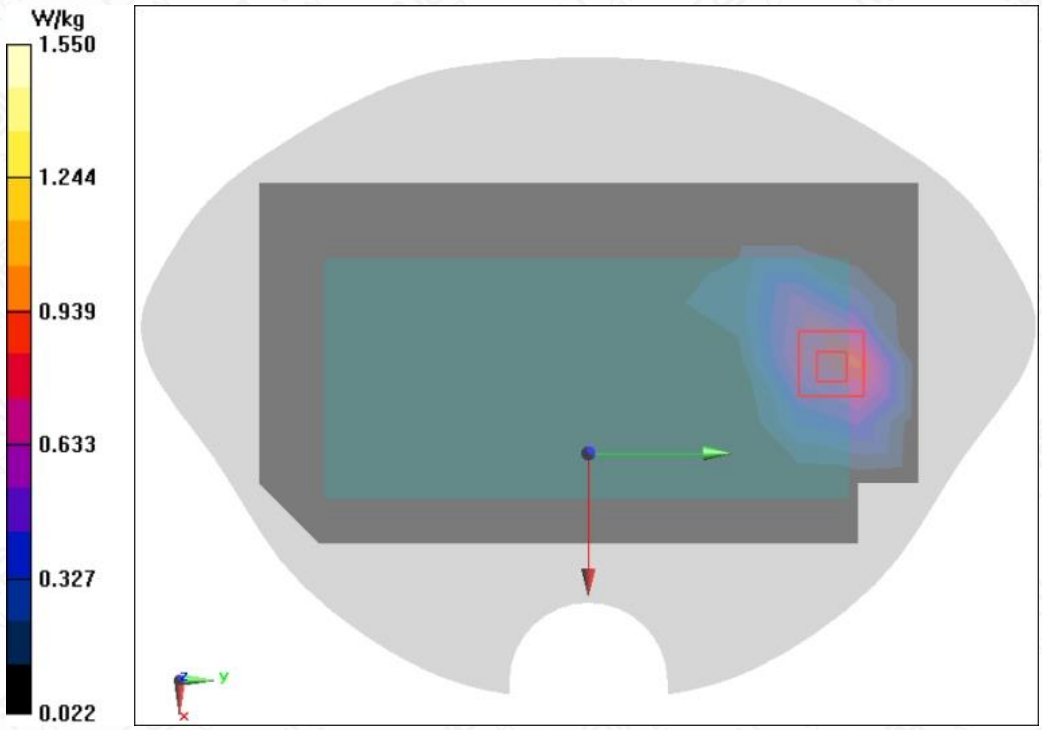


Figure A.1-8 WCDMA Band Ⅱ Back Side Mode Low 10mm

WCDMA Band Ⅱ Left Side Mode High 0mm

Date/Time: 2024/12/26

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.416 S/m; ε_r = 39.023; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.5°C

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

Probe: EX3DV4 - SN7634ConvF(8.51, 8.51, 8.51) @ 1907.6 MHz

WCDMA Band Ⅱ Left Side Mode High 0mm/Area Scan (5x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 3.30 W/kg

WCDMA Band Ⅱ Left Side Mode High 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.93 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 6.38 W/kg

SAR(1 g) = 2.64 W/kg; SAR(10 g) = 1.24 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 39.7%

Maximum of SAR (measured) = 4.59 W/kg

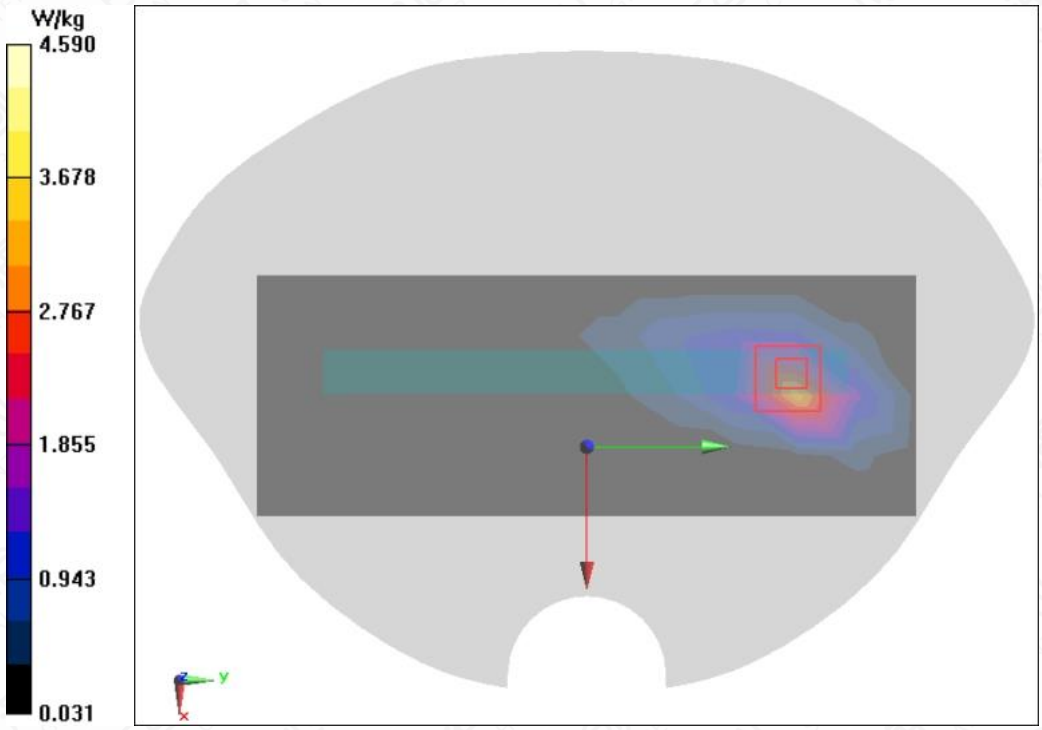


Figure A.1-9 WCDMA Band Ⅱ Left Side Mode High 0mm

WCDMA BandⅣ Left Touch Mode High

Date/Time: 2024/12/25

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.324 S/m; ε_r = 39.187; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.5°C

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

Probe: EX3DV4 - SN7634ConvF(8.86, 8.86, 8.86) @ 1752.6 MHz

WCDMA BandⅣ Left Touch Mode High/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.174 W/kg

WCDMA BandⅣ Left Touch Mode High/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.076 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.207 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.075 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 63.3%

Maximum value of SAR (measured) = 0.173 W/kg

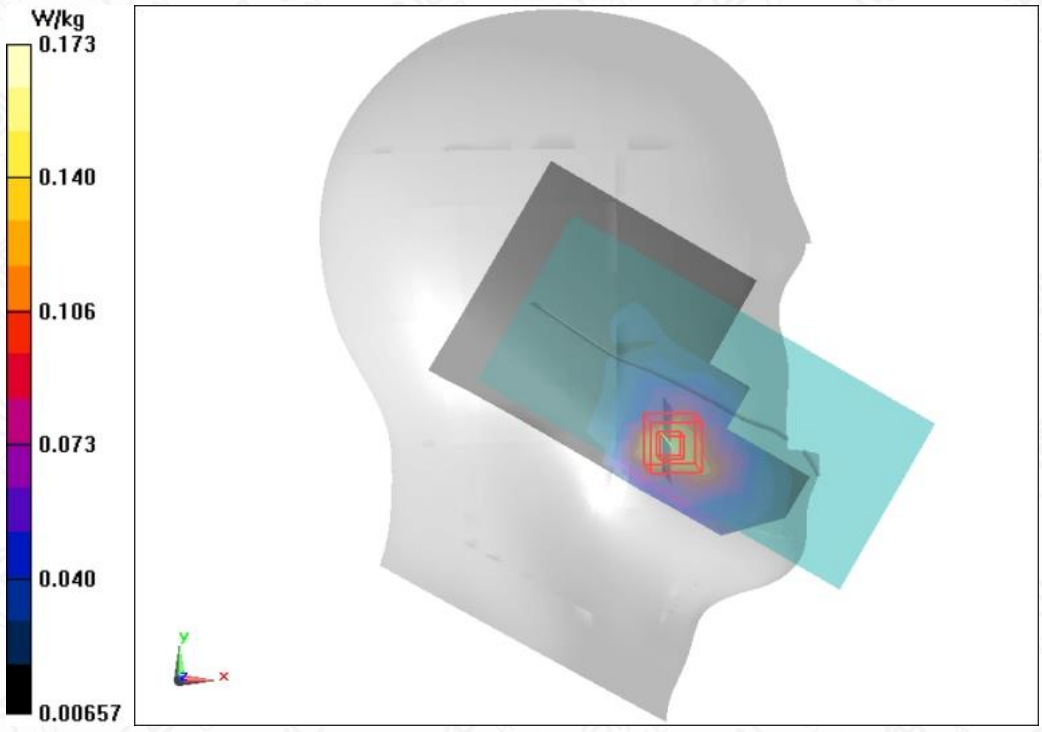


Figure A.1-10 WCDMA BandⅣ Left Touch Mode High

WCDMA BandⅣ Back Side Mode Middle 10mm

Date/Time: 2025/1/15

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.307 S/m; ε_r = 38.662; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.3°C

Communication System: WCDMA Band Ⅳ; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.86, 8.86, 8.86) @ 1732.6 MHz

WCDMA BandⅣ Back Side Mode Middle 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.721 W/kg

WCDMA BandⅣ Back Side Mode Middle 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.662 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.860 W/kg; SAR(10 g) = 0.447 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 56.8%

Maximum value of SAR (measured) = 1.27 W/kg

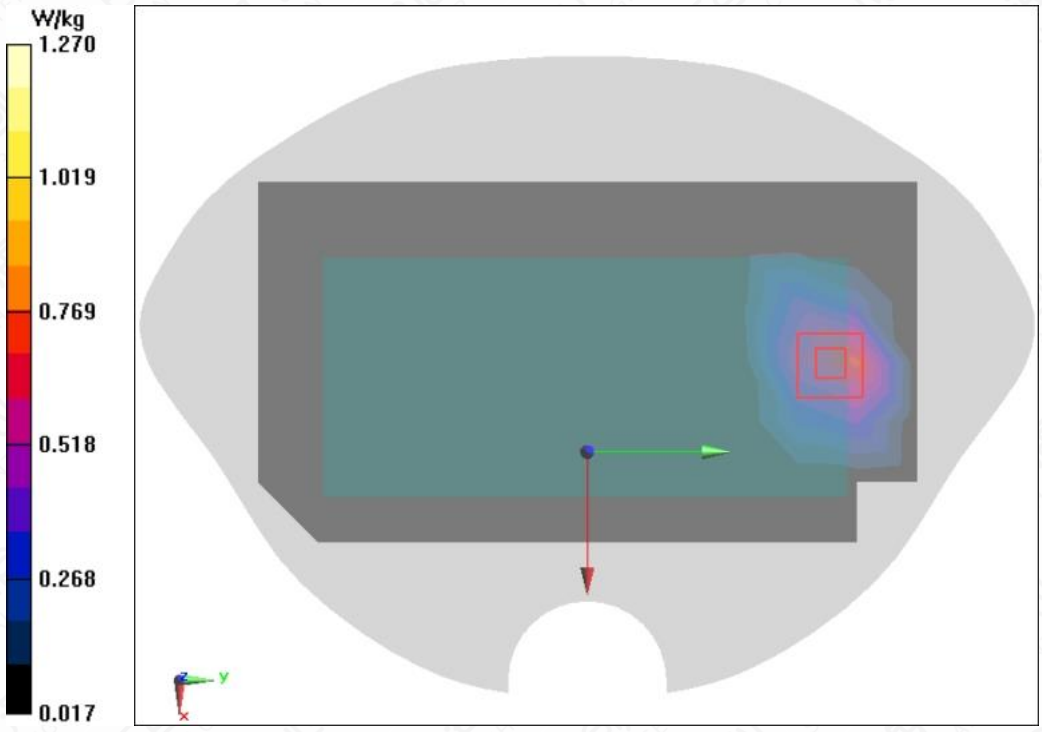


Figure A.1-11 WCDMA BandⅣ Back Side Mode Middle 10mm

WCDMA BandⅣ Left Side Mode Middle 0mm

Date/Time: 2024/12/25

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.314 S/m; ε_r = 39.219; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.5°C

Communication System: WCDMA Band Ⅳ; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.86, 8.86, 8.86) @ 1732.6 MHz

WCDMA BandⅣ Left Side Mode Middle 0mm/Area Scan (5x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.50 W/kg

WCDMA BandⅣ Left Side Mode Middle 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.13 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.94 W/kg

SAR(1 g) = 1.76 W/kg; SAR(10 g) = 0.858 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 46.5%

Maximum value of SAR (measured) = 2.80 W/kg

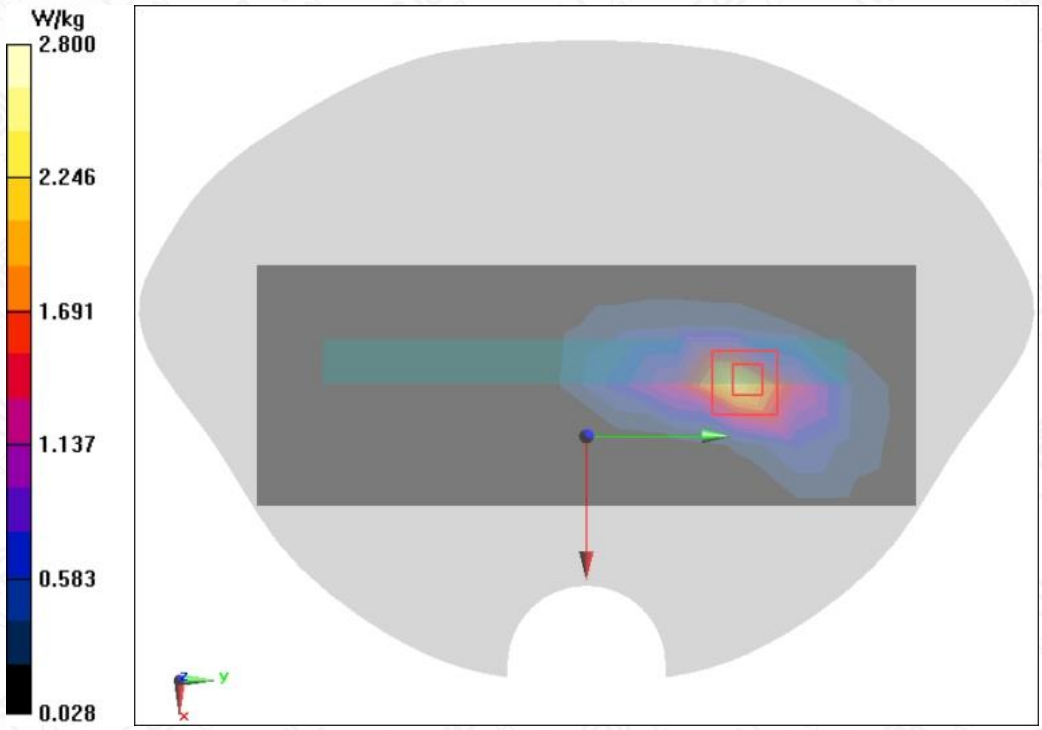


Figure A.1-12 WCDMA BandⅣ Left Side Mode Middle 0mm

WCDMA Band Ⅴ Right Touch Mode Middle

Date/Time: 2024/12/19

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.903 S/m; ε_r = 42.425; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.3°C

Communication System: WCDMA Professional Band Ⅴ; Frequency: 836.6 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.19, 10.19, 10.19) @ 836.6 MHz

WCDMA Band Ⅴ Right Touch Mode Middle/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.262 W/kg

WCDMA Band Ⅴ Right Touch Mode Middle/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.656 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.171 W/kg

Smallest distance from peaks to all points 3 dB below = 18.8 mm

Ratio of SAR at M2 to SAR at M1 = 74.5%

Maximum of SAR (measured) = 0.285 W/kg

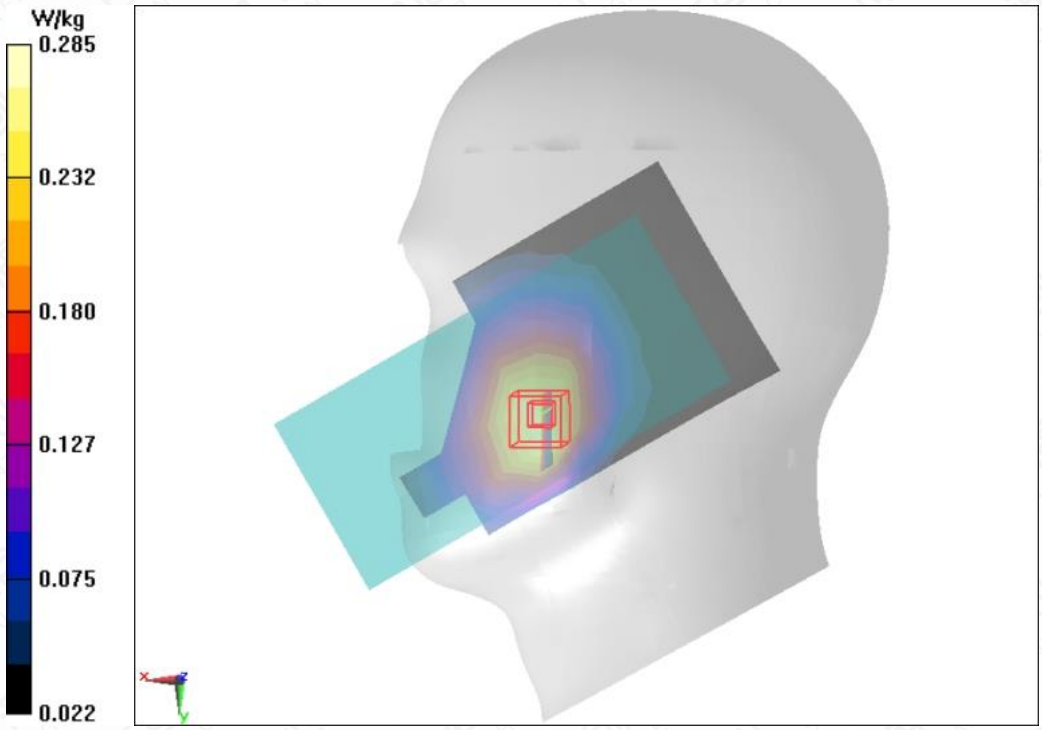


Figure A.1-13 WCDMA Band Ⅴ Right Touch Mode Middle

WCDMA Band Ⅴ Back Side Mode Low 10mm

Date/Time: 2024/12/19

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.899 S/m; ε_r = 42.459; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.3°C

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

Probe: EX3DV4 - SN7634ConvF(10.19, 10.19, 10.19) @ 826.4 MHz

WCDMA Band Ⅴ Back Side Mode Low 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.521 W/kg

WCDMA Band Ⅴ Back Side Mode Low 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.62 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.262 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 49.4%

Maximum value of SAR (measured) = 0.784 W/kg

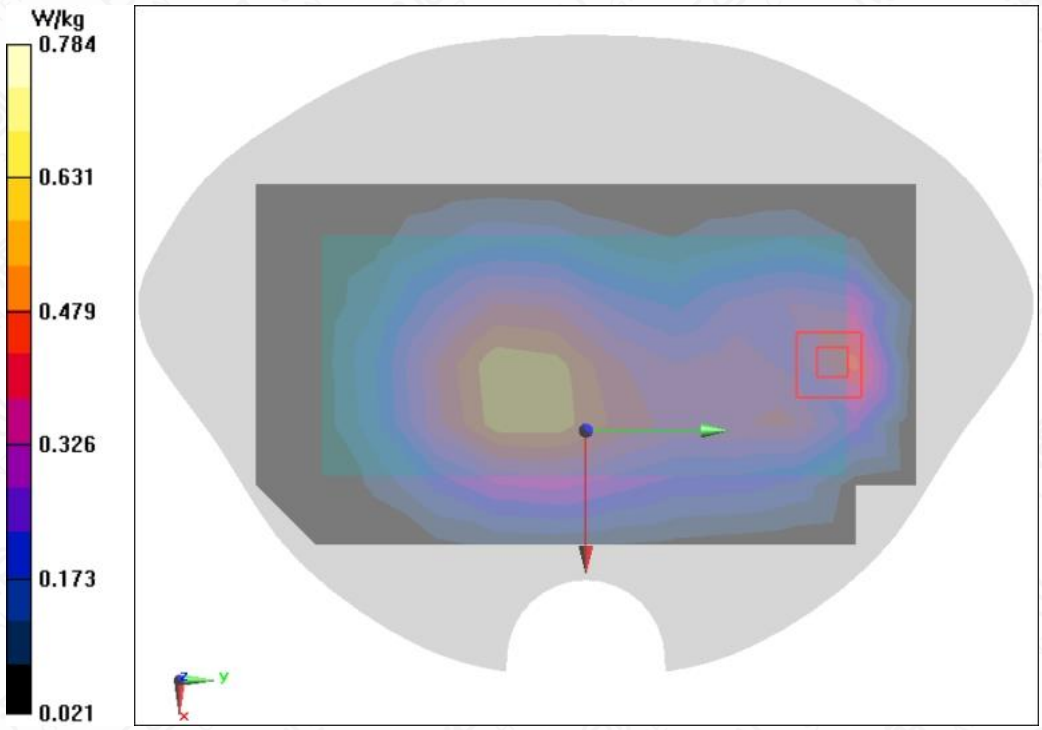


Figure A.1-14 WCDMA Band Ⅴ Back Side Mode Low 10mm

WCDMA Band Ⅴ Bottom Side Mode Low 0mm

Date/Time: 2024/12/19

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.899 S/m; ε_r = 42.459; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.3°C

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

Probe: EX3DV4 - SN7634ConvF(10.19, 10.19, 10.19) @ 826.4 MHz

WCDMA Band Ⅴ Bottom Side Mode Low 0mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.31 W/kg

WCDMA Band Ⅴ Bottom Side Mode Low 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.66 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 4.43 W/kg

SAR(1 g) = 1.47 W/kg; SAR(10 g) = 0.731 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 41.5%

Maximum of SAR (measured) = 2.58 W/kg

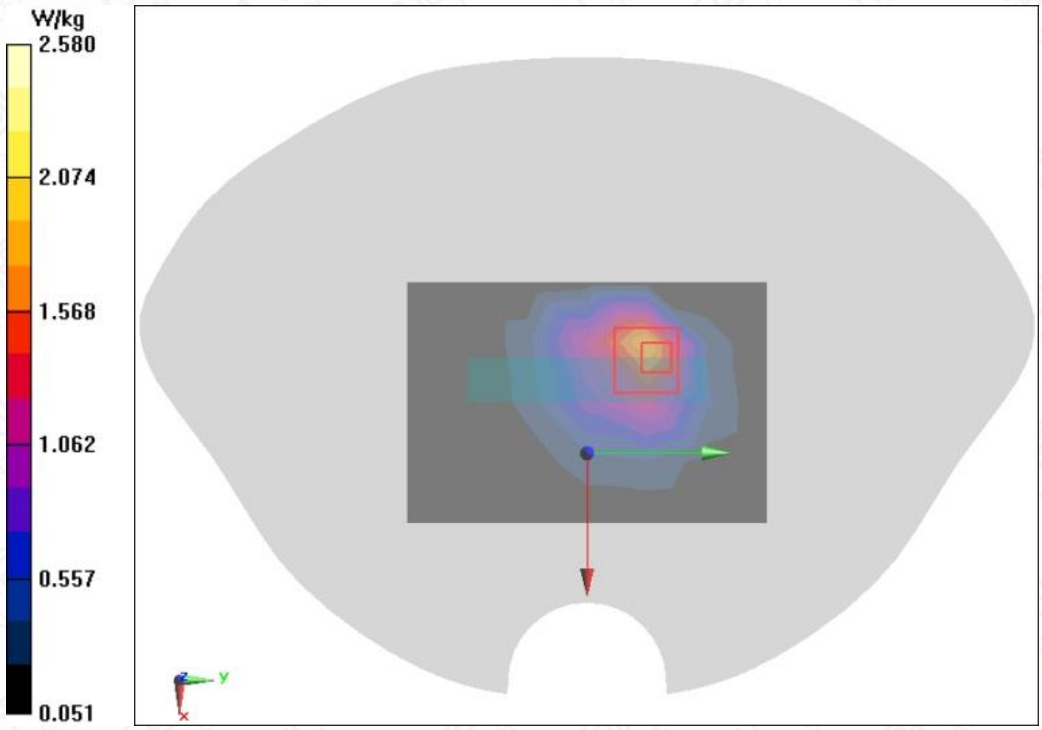


Figure A.1-15 WCDMA Band Ⅴ Bottom Side Mode Low 0mm

LTE Band7 20MHz 1RB 50offset Left Touch Mode Low

Date/Time: 2025/1/3

Electronics: DAE4 Sn1581

Medium parameters used: f = 2510 MHz; σ = 1.894 S/m; ε_r = 40.142; ρ = 1000 kg/m^3

Ambient Temperature:21.2°C Liquid Temperature:20.2°C

Communication System: LTE B7 2450MHz; Frequency: 2510 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.05, 8.05, 8.05) @ 2510 MHz

LTE Band7 20MHz 1RB 50offset Left Touch Mode Low/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.492 W/kg

LTE Band7 20MHz 1RB 50offset Left Touch Mode Low/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.610 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.594 W/kg

SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.173 W/kg

Smallest distance from peaks to all points 3 dB below = 13.6 mm

Ratio of SAR at M2 to SAR at M1 = 54.5%

Maximum value of SAR (measured) = 0.494 W/kg

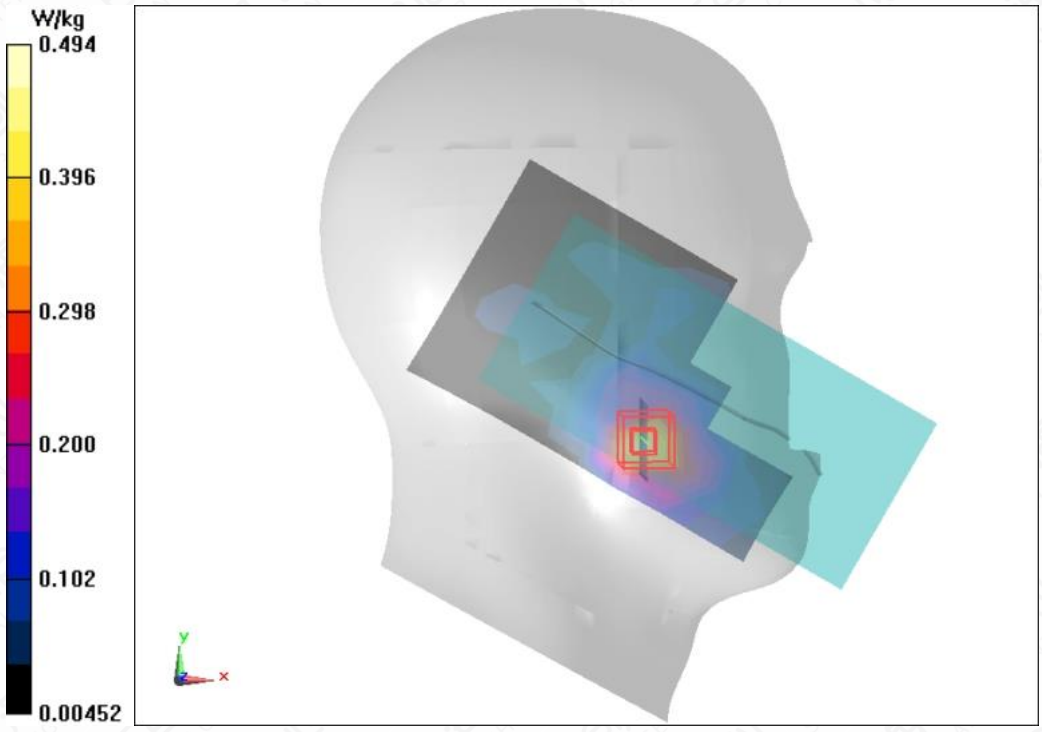


Figure A.1-16 LTE Band7 20MHz 1RB 50offset Left Touch Mode Low

LTE Band7 20MHz 50RB 25offset Back Side Mode Low 10mm

Date/Time: 2025/1/3

Electronics: DAE4 Sn1581

Medium parameters used: f = 2510 MHz; σ = 1.894 S/m; ε_r = 40.142; ρ = 1000 kg/m^3

Ambient Temperature:21.2°C Liquid Temperature:20.2°C

Communication System: LTE B7 2450MHz; Frequency: 2510 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.05, 8.05, 8.05) @ 2510 MHz

LTE Band7 20MHz 50RB 25offset Back Side Mode Low 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

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

LTE Band7 20MHz 50RB 25offset Back Side Mode Low 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.854 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.354 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 50%

Maximum of SAR (measured) = 1.11 W/kg

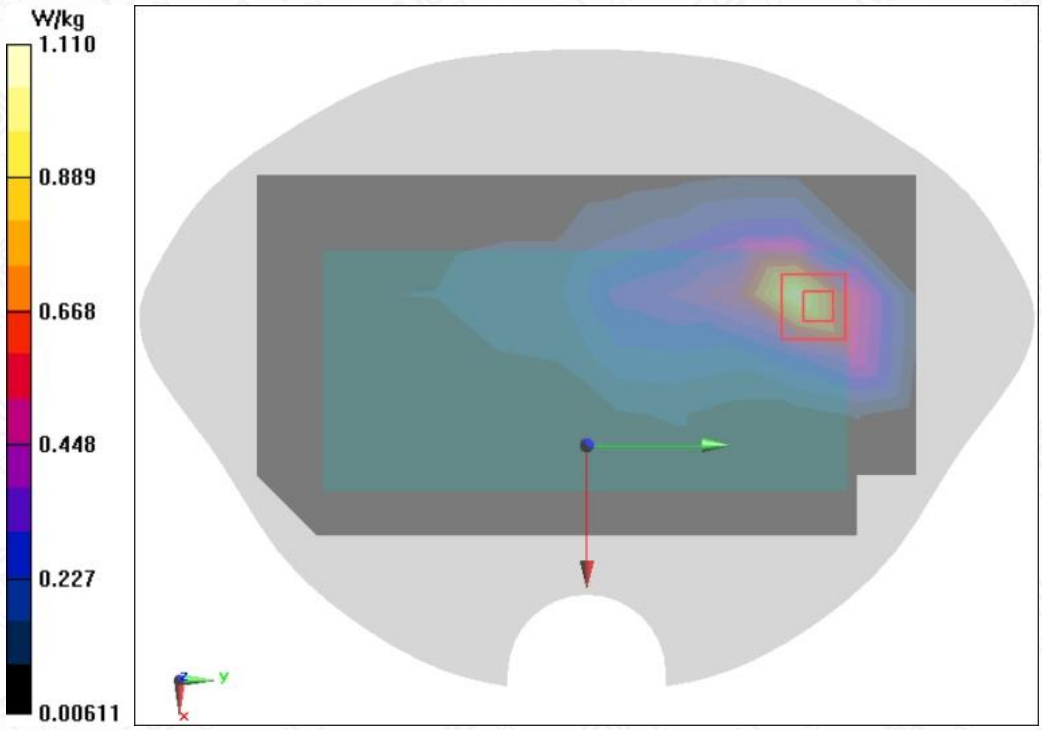


Figure A.1-17 LTE Band7 20MHz 50RB 25offset Back Side Mode Low 10mm

LTE Band7 20MHz 1RB 50offset Left Side Mode Low 0mm

Date/Time: 2025/1/3

Electronics: DAE4 Sn1581

Medium parameters used: f = 2510 MHz; σ = 1.894 S/m; ε_r = 40.142; ρ = 1000 kg/m^3

Ambient Temperature:21.2°C Liquid Temperature:20.2°C

Communication System: LTE B7 2450MHz; Frequency: 2510 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.05, 8.05, 8.05) @ 2510 MHz

LTE Band7 20MHz 1RB 50offset Left Side Mode Low 0mm/Area Scan (5x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 6.91 W/kg

LTE Band7 20MHz 1RB 50offset Left Side Mode Low 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.03 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 9.53 W/kg

SAR(1 g) = 4.18 W/kg; SAR(10 g) = 1.87 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 46.7%

Maximum of SAR (measured) = 6.79 W/kg

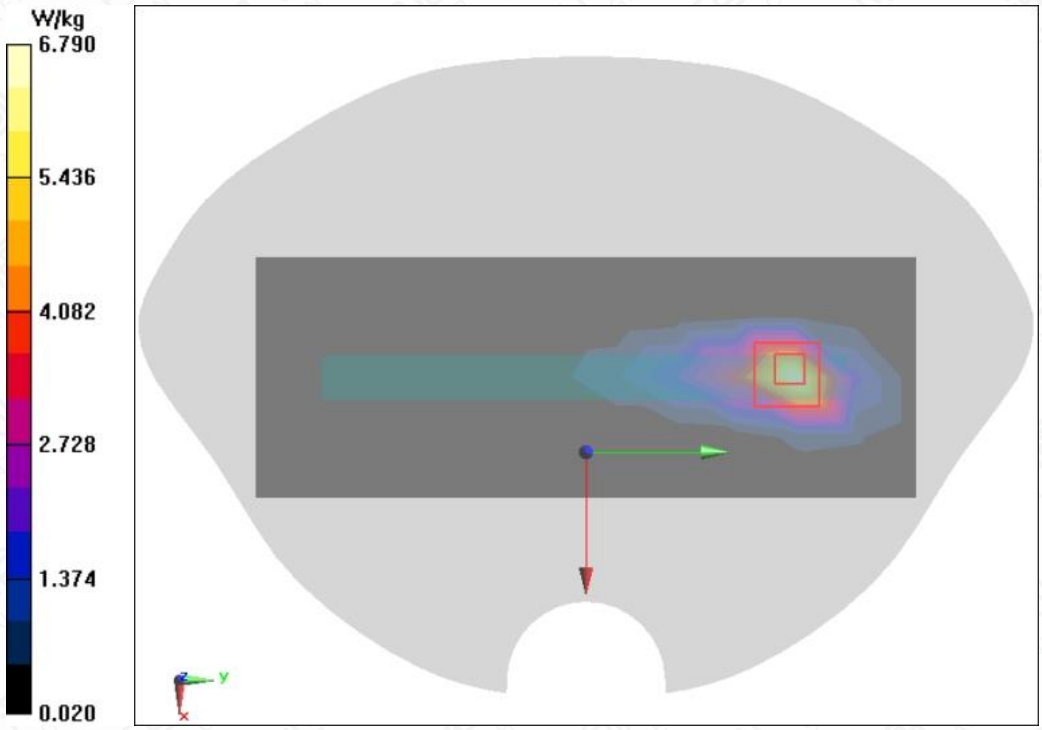


Figure A.1-18 LTE Band7 20MHz 1RB 50offset Left Side Mode Low 0mm

LTE Band12 10MHz 1RB 25offset Left Touch Mode Middle

Date/Time: 2024/12/6

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.873 S/m; ε_r = 41.92; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.4°C

Communication System: LTE Band 12 Professional 900MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.6, 10.6, 10.6) @ 707.5 MHz

LTE Band12 10MHz 1RB 25offset Left Touch Mode Middle/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.113 W/kg

LTE Band12 10MHz 1RB 25offset Left Touch Mode Middle/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.136 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.123 W/kg

SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.083 W/kg

Smallest distance from peaks to all points 3 dB below = 10.4 mm

Ratio of SAR at M2 to SAR at M1 = 82.6%

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

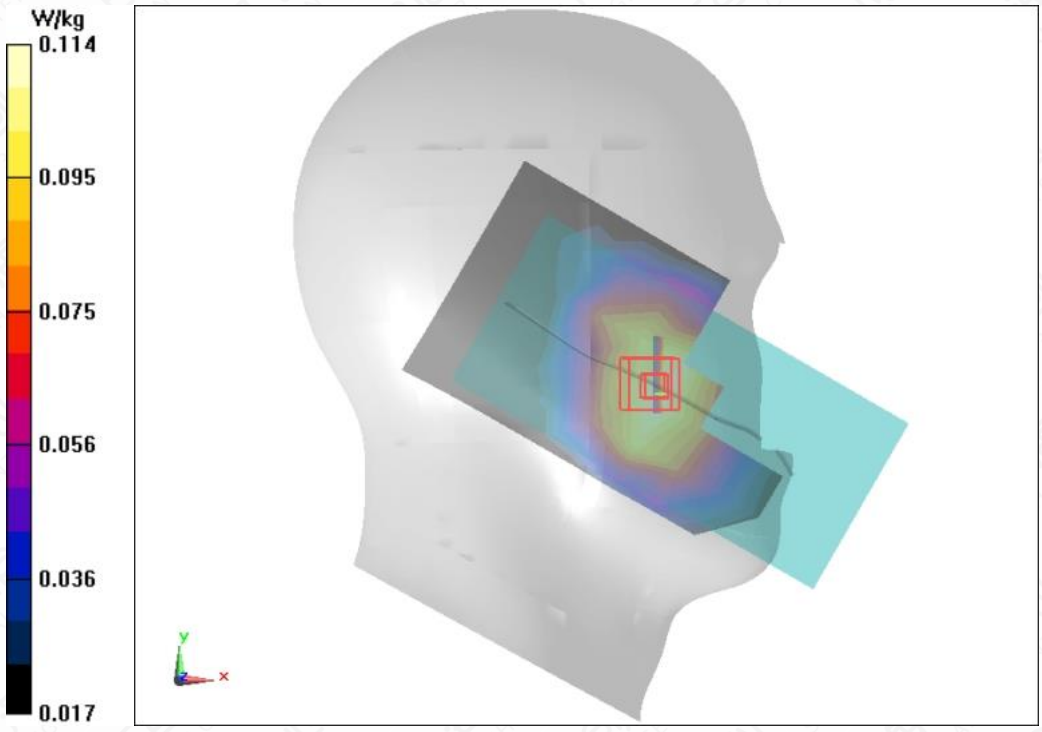


Figure A.1-19 LTE Band12 10MHz 1RB 25offset Left Touch Mode Middle

LTE Band12 10MHz 1RB 25offset Back Side Mode Middle 10mm

Date/Time: 2024/12/6

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.873 S/m; ε_r = 41.92; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.4°C

Communication System: LTE Band 12 Professional 900MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.6, 10.6, 10.6) @ 707.5 MHz

LTE Band12 10MHz 1RB 25offset Back Side Mode Middle 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.373 W/kg

LTE Band12 10MHz 1RB 25offset Back Side Mode Middle 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.44 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.430 W/kg

SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.232 W/kg

Smallest distance from peaks to all points 3 dB below = 10.6 mm

Ratio of SAR at M2 to SAR at M1 = 71.7%

Maximum value of SAR (measured) = 0.382 W/kg

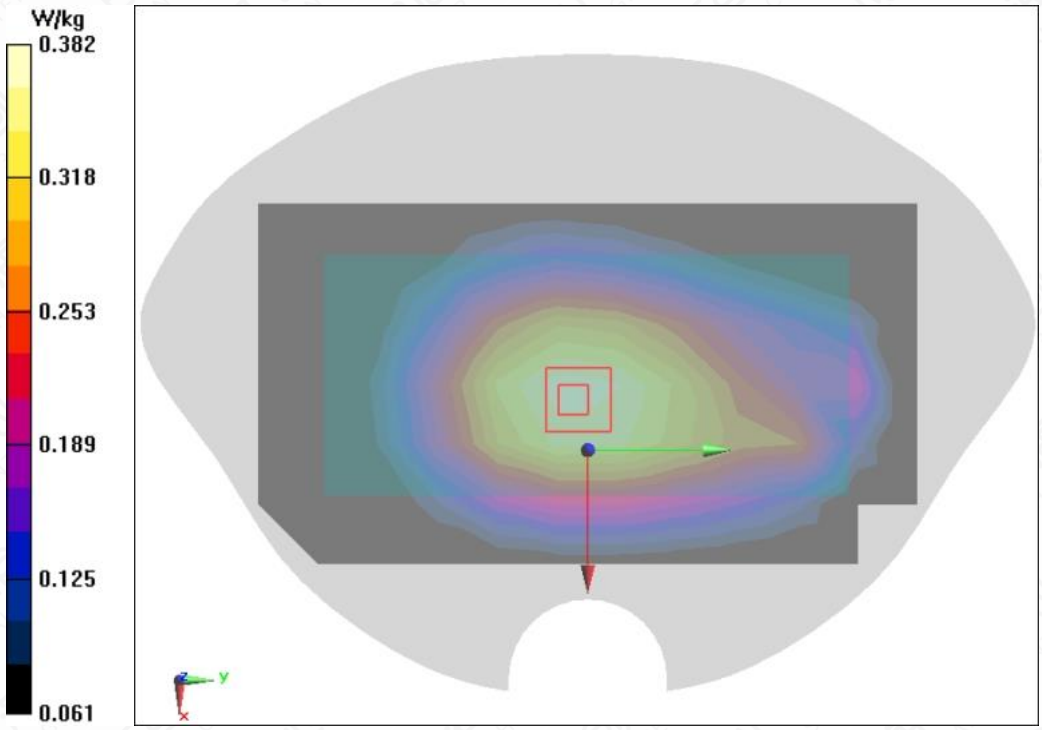


Figure A.1-20 LTE Band12 10MHz 1RB 25offset Back Side Mode Middle 10mm

LTE Band12 10MHz 1RB 25offset Back Side Mode Low 0mm

Date/Time: 2024/12/6

Electronics: DAE4 Sn1581

Medium parameters used: f = 704 MHz; σ = 0.872 S/m; ε_r = 41.937; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.4°C

Communication System: LTE Band 12 Professional 900MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.6, 10.6, 10.6) @ 704 MHz

LTE Band12 10MHz 1RB 25offset Back Side Mode Low 0mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.38 W/kg

LTE Band12 10MHz 1RB 25offset Back Side Mode Low 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.97 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.78 W/kg

SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.568 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 38.8%

Maximum of SAR (measured) = 2.39 W/kg

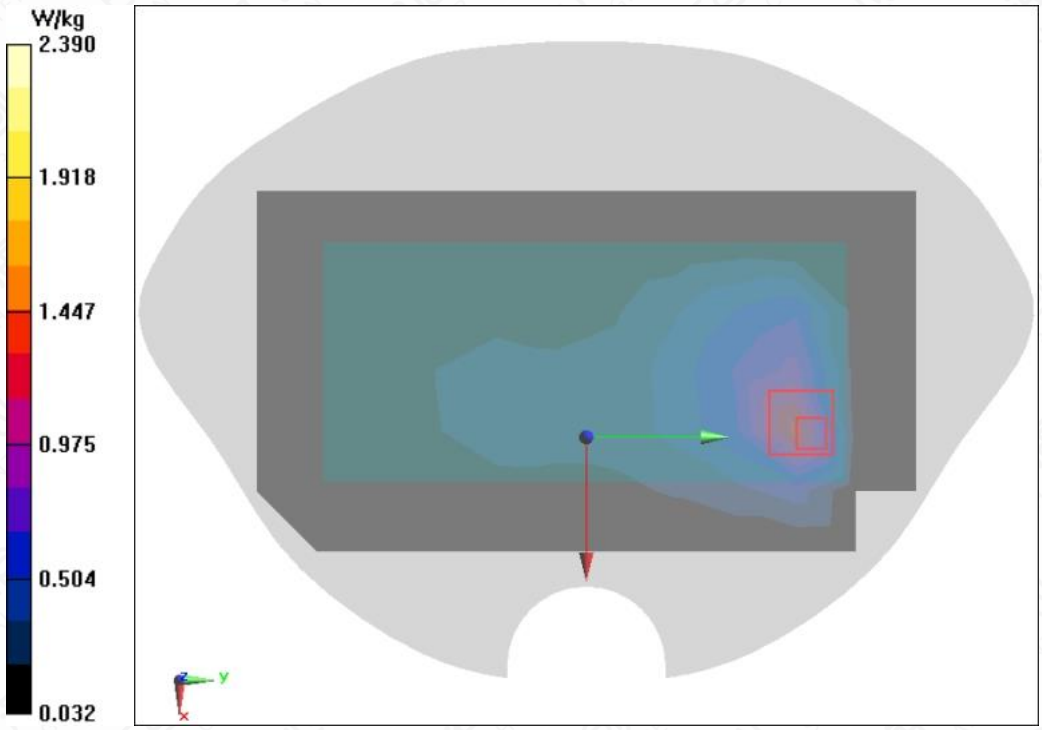


Figure A.1-21 LTE Band12 10MHz 1RB 25offset Back Side Mode Middle 10mm

LTE Band13 10MHz 1RB 25offset Right Touch Mode Middle

Date/Time: 2024/12/6

Electronics: DAE4 Sn1581

Medium parameters used: f = 782 MHz; σ = 0.899 S/m; ε_r = 41.663; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.4°C

Communication System: LTE Band 13 Professional 900MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.6, 10.6, 10.6) @ 782 MHz

LTE Band13 10MHz 1RB 25offset Right Touch Mode Middle/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

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

LTE Band13 10MHz 1RB 25offset Right Touch Mode Middle/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.605 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.119 W/kg

Smallest distance from peaks to all points 3 dB below = 21.1 mm

Ratio of SAR at M2 to SAR at M1 = 75.1%

Maximum of SAR (measured) = 0.195 W/kg

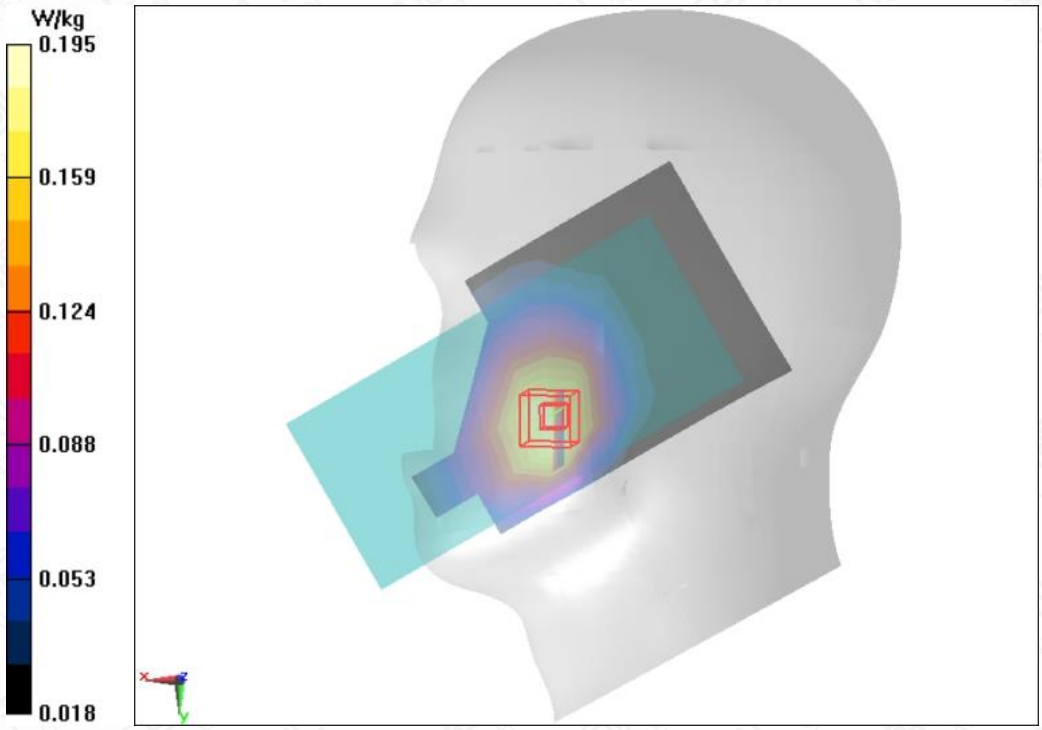


Figure A.1-22 LTE Band13 10MHz 1RB 25offset Right Touch Mode Middle

LTE Band13 10MHz 1RB 25offset Back Side Mode Middle 10mm

Date/Time: 2024/12/6

Electronics: DAE4 Sn1581

Medium parameters used: f = 782 MHz; σ = 0.899 S/m; ε_r = 41.663; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.4°C

Communication System: LTE Band 13 Professional 900MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.6, 10.6, 10.6) @ 782 MHz

LTE Band13 10MHz 1RB 25offset Back Side Mode Middle 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.346 W/kg

LTE Band13 10MHz 1RB 25offset Back Side Mode Middle 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.86 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.699 W/kg

SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.188 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 50.6%

Maximum value of SAR (measured) = 0.536 W/kg

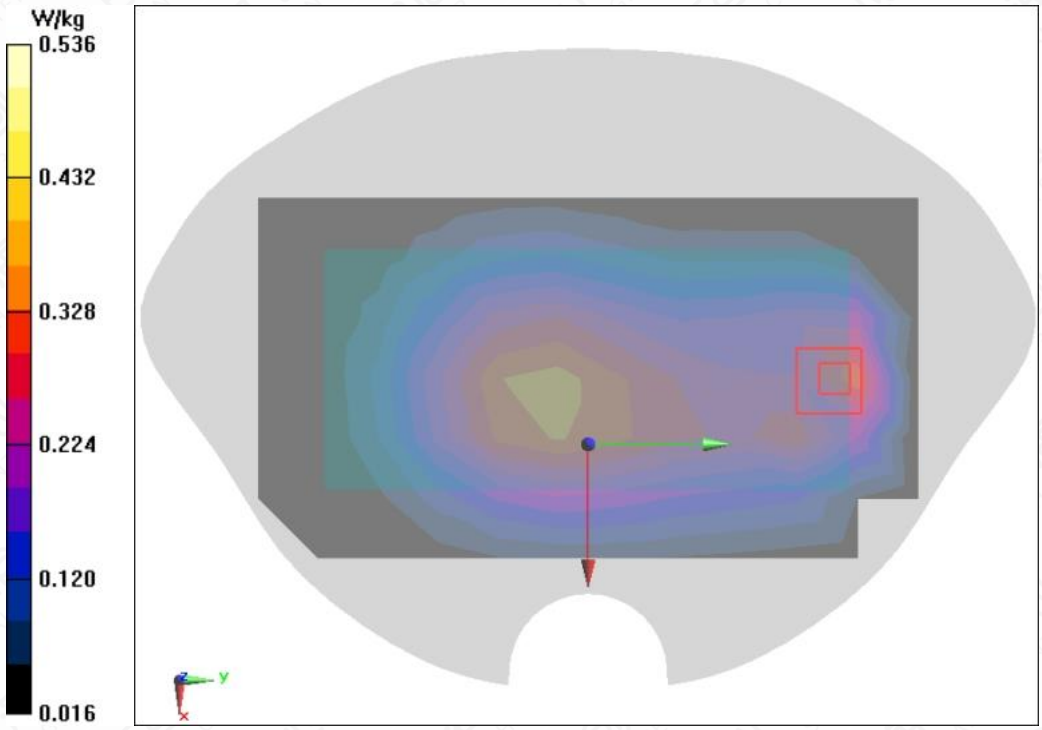


Figure A.1-23 LTE Band13 10MHz 1RB 25offset Back Side Mode Middle 10mm

LTE Band13 10MHz 1RB 25offset Back Side Mode Middle 0mm

Date/Time: 2024/12/6

Electronics: DAE4 Sn1581

Medium parameters used: f = 782 MHz; σ = 0.899 S/m; ε_r = 41.663; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.4°C

Communication System: LTE Band 13 Professional 900MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.6, 10.6, 10.6) @ 782 MHz

LTE Band13 10MHz 1RB 25offset Back Side Mode Middle 0mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.24 W/kg

LTE Band13 10MHz 1RB 25offset Back Side Mode Middle 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.58 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.19 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.517 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 32.2%

Maximum of SAR (measured) = 2.07 W/kg

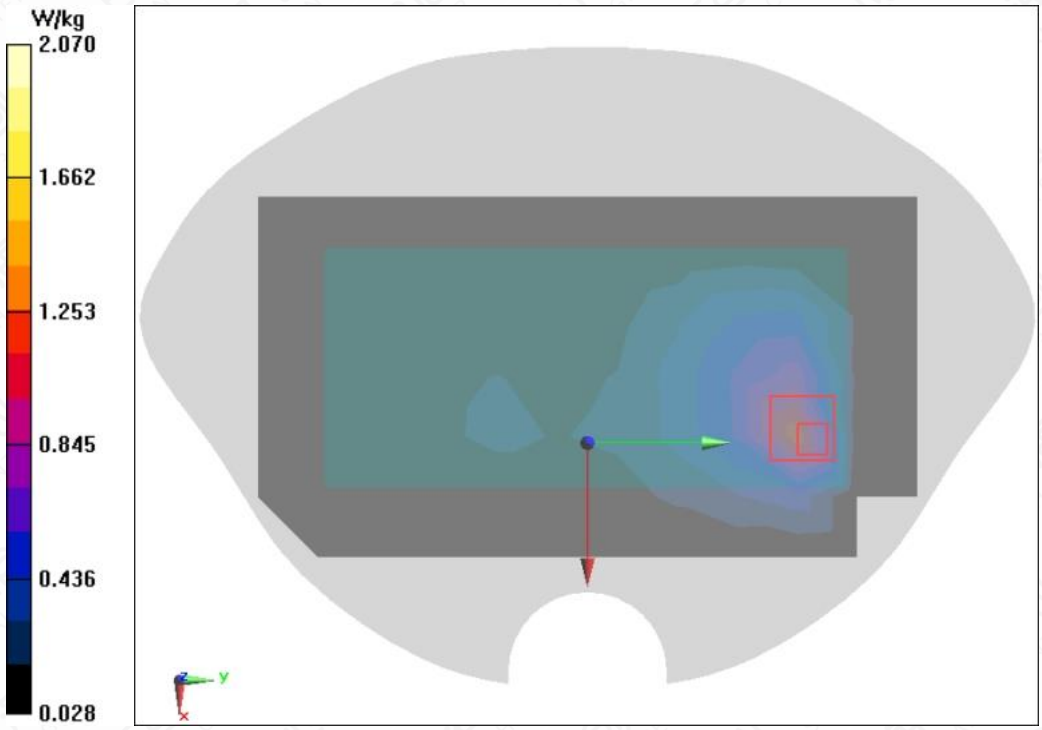


Figure A.1-24 LTE Band13 10MHz 1RB 25offset Back Side Mode Middle 0mm

LTE Band14 10MHz 1RB 0offset Right Touch Mode Middle

Date/Time: 2024/12/23

Electronics: DAE4 Sn1581

Medium parameters used: f = 793 MHz; σ = 0.883 S/m; ε_r = 43.134; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.6°C

Communication System: LTE Band 14 Professional 900MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.6, 10.6, 10.6) @ 793 MHz

LTE Band14 10MHz 1RB 0offset Right Touch Mode Middle/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.168 W/kg

LTE Band14 10MHz 1RB 0offset Right Touch Mode Middle/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.231 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.203 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.108 W/kg

Smallest distance from peaks to all points 3 dB below = 20 mm

Ratio of SAR at M2 to SAR at M1 = 74.6%

Maximum of SAR (measured) = 0.178 W/kg

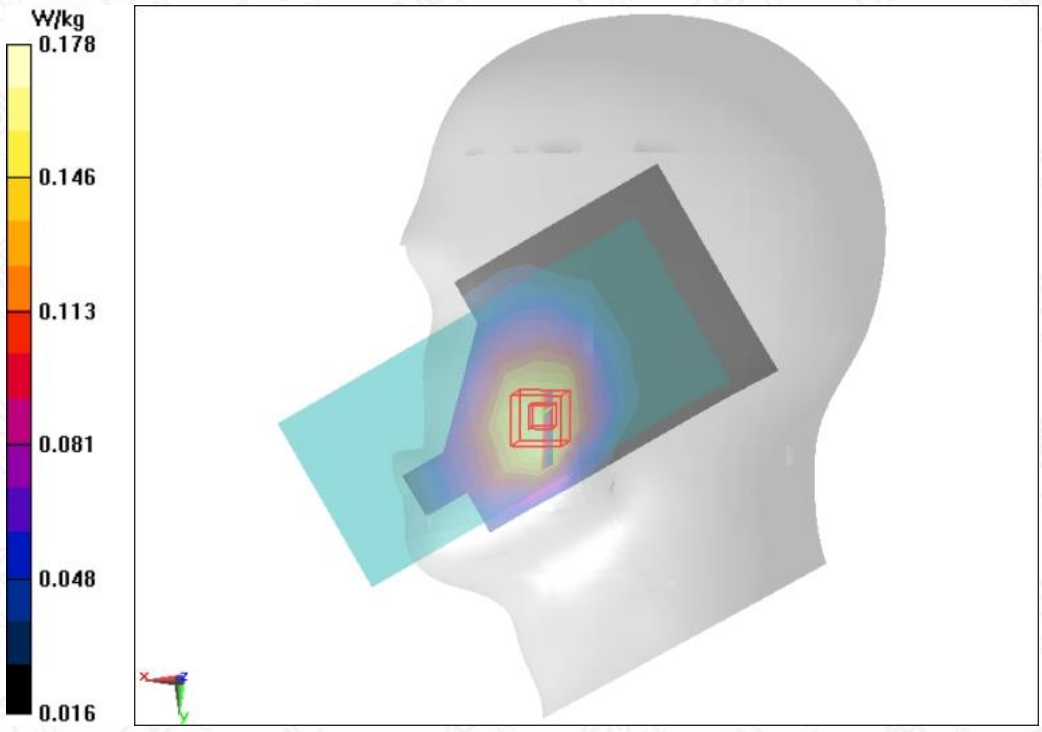


Figure A.1-25 LTE Band14 10MHz 1RB 0offset Right Touch Mode Middle

LTE Band14 10MHz 1RB 0offset Back Side Mode Middle 10mm

Date/Time: 2024/12/23

Electronics: DAE4 Sn1581

Medium parameters used: f = 793 MHz; σ = 0.883 S/m; ε_r = 43.134; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.6°C

Communication System: LTE Band 14 Professional 900MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.6, 10.6, 10.6) @ 793 MHz

LTE Band14 10MHz 1RB 0offset Back Side Mode Middle 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.307 W/kg

LTE Band14 10MHz 1RB 0offset Back Side Mode Middle 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.70 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.660 W/kg

SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.179 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 51%

Maximum value of SAR (measured) = 0.509 W/kg

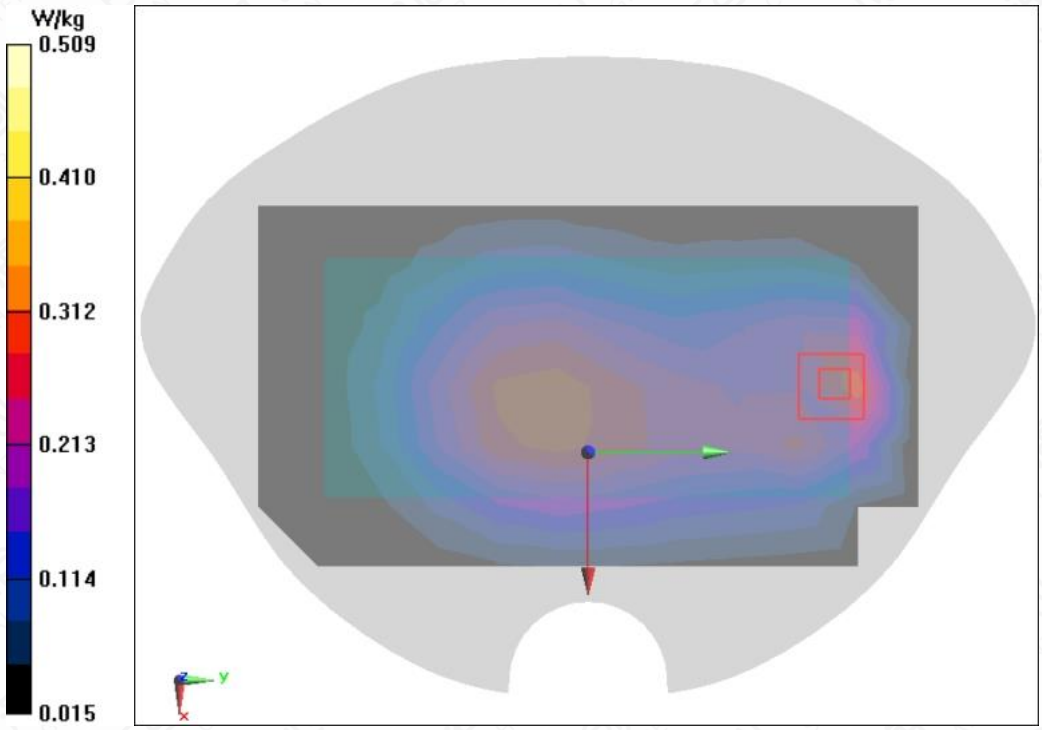


Figure A.1-26 LTE Band14 10MHz 1RB 0offset Back Side Mode Middle 10mm

LTE Band14 10MHz 1RB 0offset Back Side Mode Middle 0mm

Date/Time: 2024/12/23

Electronics: DAE4 Sn1581

Medium parameters used: f = 793 MHz; σ = 0.883 S/m; ε_r = 43.134; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.6°C

Communication System: LTE Band 14 Professional 900MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.6, 10.6, 10.6) @ 793 MHz

LTE Band14 10MHz 1RB 0offset Back Side Mode Middle 0mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.18 W/kg

LTE Band14 10MHz 1RB 0offset Back Side Mode Middle 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.10 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.06 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.491 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 32%

Maximum of SAR (measured) = 1.98 W/kg

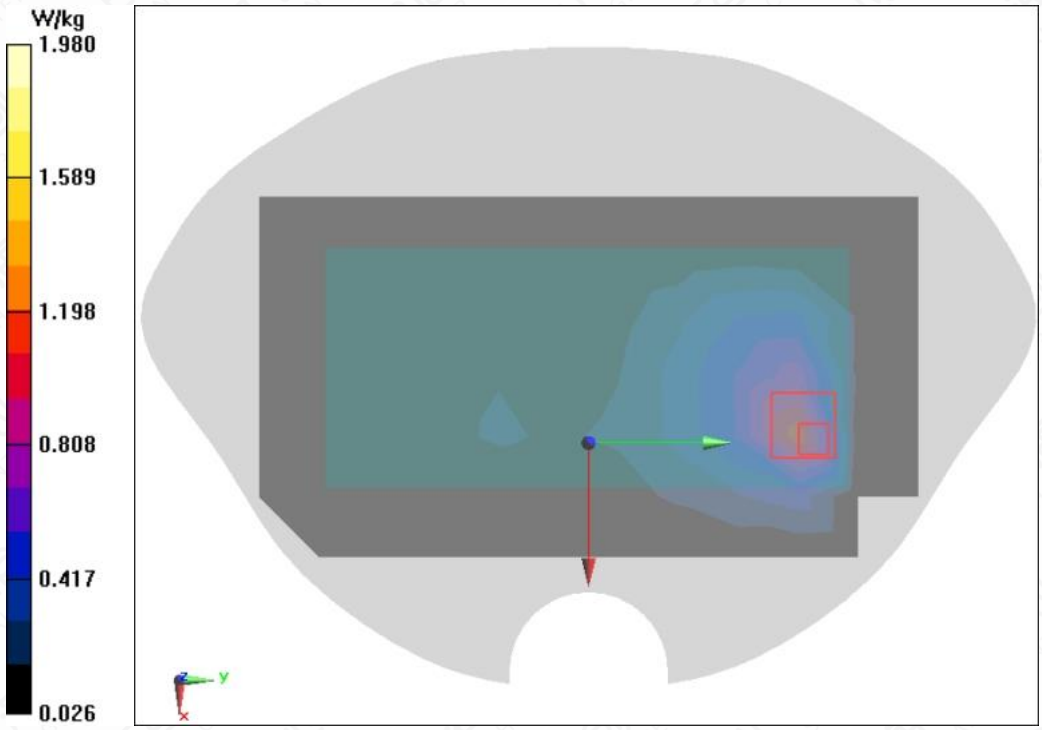


Figure A.1-27 LTE Band14 10MHz 1RB 0offset Back Side Mode Middle 0mm

LTE Band25 20MHz 1RB 50offset Left Touch Mode High

Date/Time: 2024/12/17

Electronics: DAE4 Sn1581

Medium parameters used: f = 1905 MHz; σ = 1.414 S/m; ε_r = 38.978; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.5°C

Communication System: LTE B25 1900MHz; Frequency: 1905 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.51, 8.51, 8.51) @ 1905 MHz

LTE Band25 20MHz 1RB 50offset Left Touch Mode High/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.297 W/kg

LTE Band25 20MHz 1RB 50offset Left Touch Mode High/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.883 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.406 W/kg

SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.143 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 58.5%

Maximum value of SAR (measured) = 0.344 W/kg

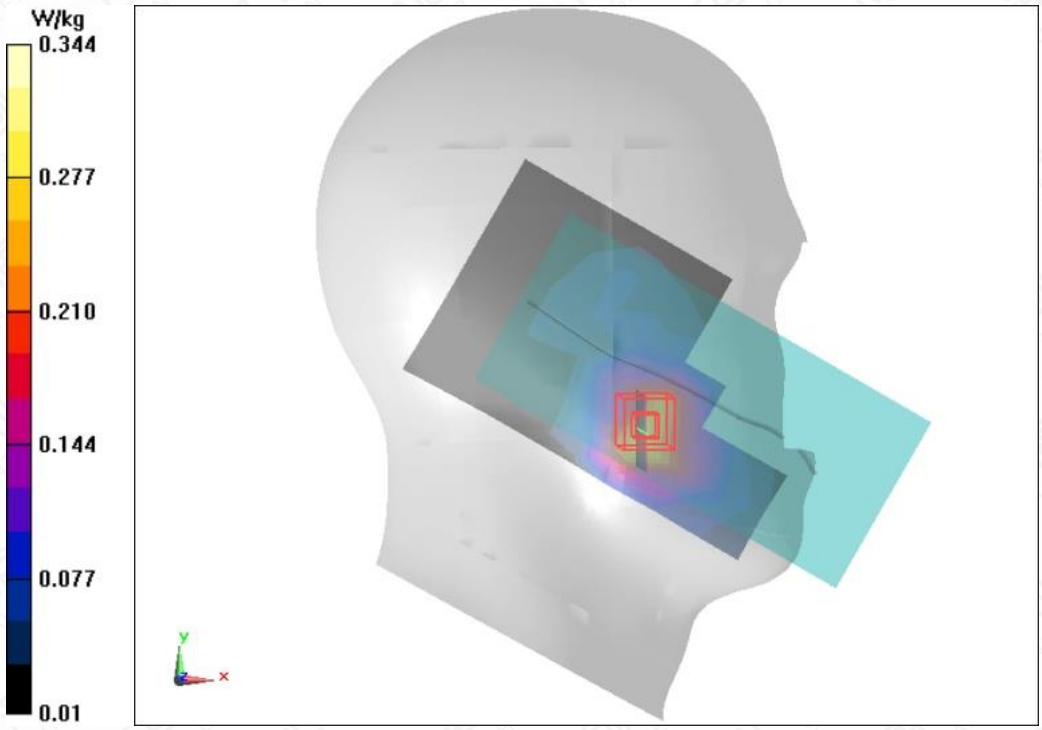


Figure A.1-28 LTE Band25 20MHz 1RB 50offset Left Touch Mode High

LTE Band25 20MHz 1RB 50offset Back Side Mode Low 10mm

Date/Time: 2025/1/14

Electronics: DAE4 Sn1581

Medium parameters used: f = 1860 MHz; σ = 1.377 S/m; ε_r = 38.529; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.5°C

Communication System: LTE B25 1900MHz; Frequency: 1860 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.51, 8.51, 8.51) @ 1860 MHz

LTE Band25 20MHz 1RB 50offset Back Side Mode Low 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.809 W/kg

LTE Band25 20MHz 1RB 50offset Back Side Mode Low 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.053 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.910 W/kg; SAR(10 g) = 0.474 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 56%

Maximum value of SAR (measured) = 1.39 W/kg

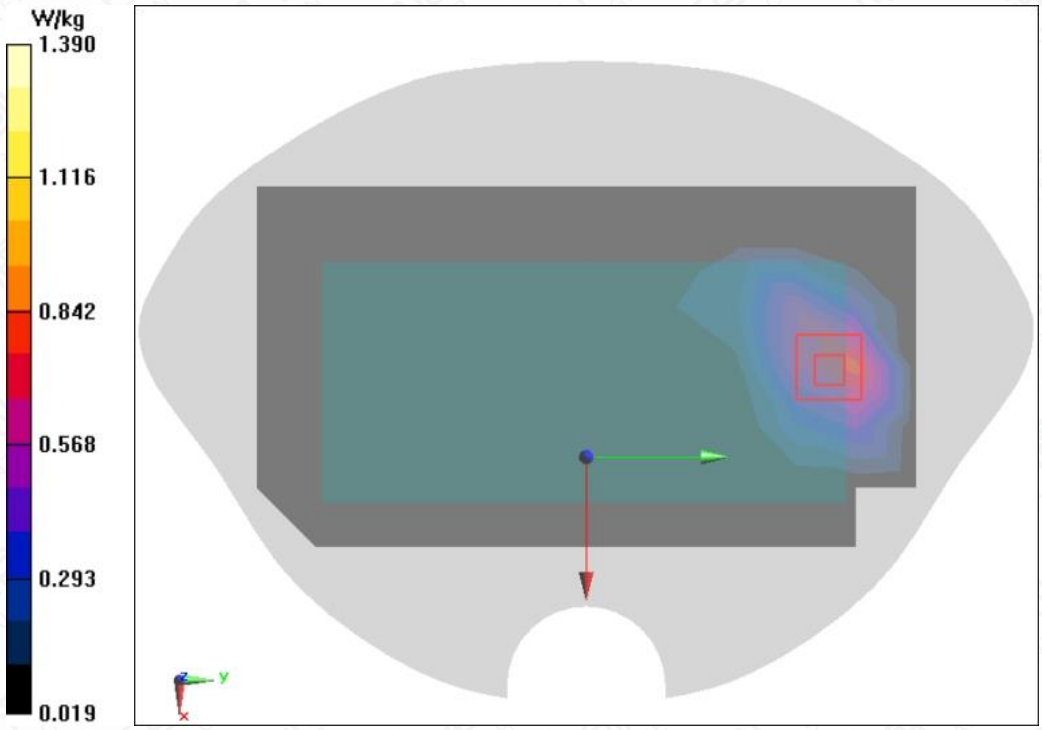


Figure A.1-29 LTE Band25 20MHz 1RB 50offset Back Side Mode Low 10mm

LTE Band25 20MHz 1RB 50offset Left Side Mode High 0mm

Date/Time: 2024/12/17

Electronics: DAE4 Sn1581

Medium parameters used: f = 1905 MHz; σ = 1.414 S/m; ε_r = 38.978; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.5°C

Communication System: LTE B25 1900MHz; Frequency: 1905 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.51, 8.51, 8.51) @ 1905 MHz

LTE Band25 20MHz 1RB 50offset Left Side Mode High 0mm/Area Scan (5x12x1):

Measurement grid: dx=12mm, dy=12mm

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

LTE Band25 20MHz 1RB 50offset Left Side Mode High 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.65 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 5.51 W/kg

SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.24 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 47.7%

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

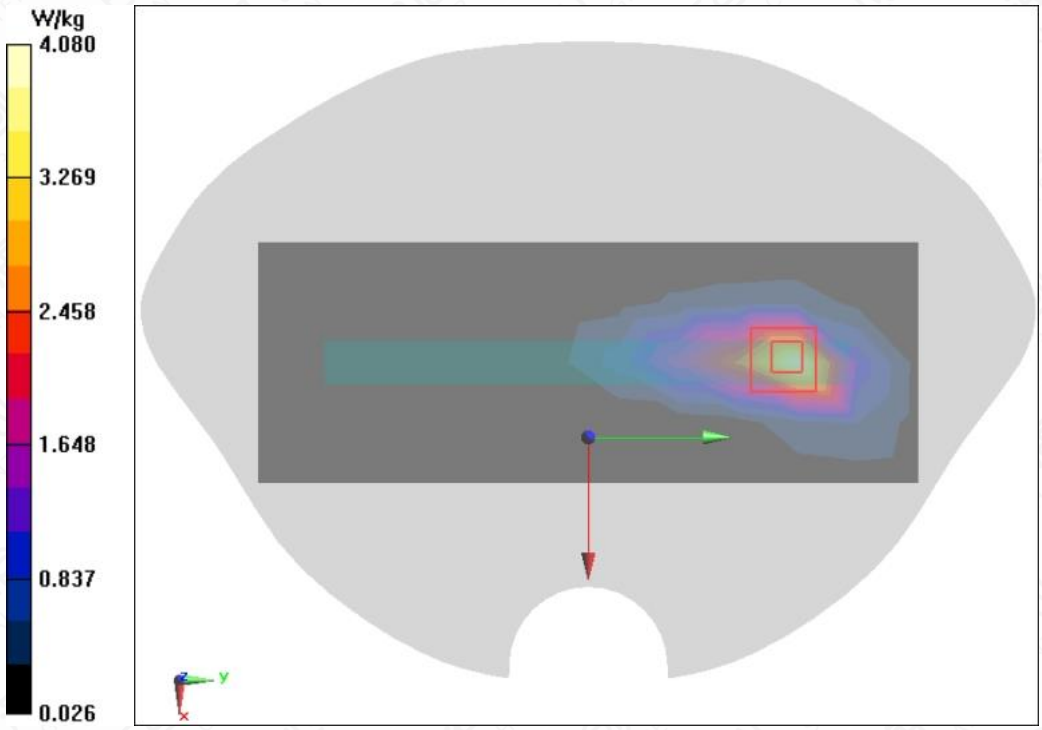


Figure A.1-30 LTE Band25 20MHz 1RB 50offset Left Side Mode High 0mm

LTE Band26 15MHz 1RB 38offset Right Touch Mode Middle

Date/Time: 2024/12/9

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.92 S/m; ε_r = 42.149; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.7°C

Communication System: LTE B26 900MHz; Frequency: 831.5 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.19, 10.19, 10.19) @ 831.5 MHz

LTE Band26 15MHz 1RB 38offset Right Touch Mode Middle/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

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

LTE Band26 15MHz 1RB 38offset Right Touch Mode Middle/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.721 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.264 W/kg

SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.154 W/kg

Smallest distance from peaks to all points 3 dB below = 26.4 mm

Ratio of SAR at M2 to SAR at M1 = 78.5%

Maximum of SAR (measured) = 0.243 W/kg

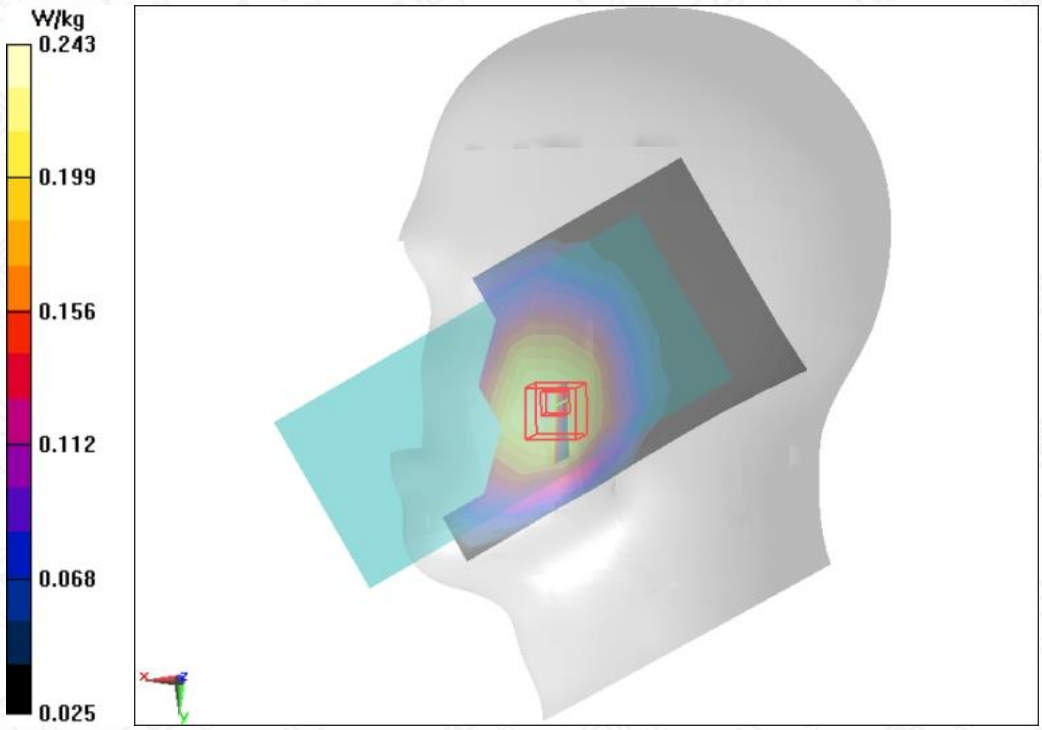


Figure A.1-31 LTE Band26 15MHz 1RB 38offset Right Touch Mode Middle

LTE Band26 15MHz 1RB 38offset Back Side Mode Middle 10mm

Date/Time: 2024/12/9

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.92 S/m; ε_r = 42.149; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.7°C

Communication System: LTE B26 900MHz; Frequency: 831.5 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.19, 10.19, 10.19) @ 831.5 MHz

LTE Band26 15MHz 1RB 38offset Back Side Mode Middle 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.587 W/kg

LTE Band26 15MHz 1RB 38offset Back Side Mode Middle 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.17 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.762 W/kg

SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.225 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 54.5%

Maximum value of SAR (measured) = 0.600 W/kg

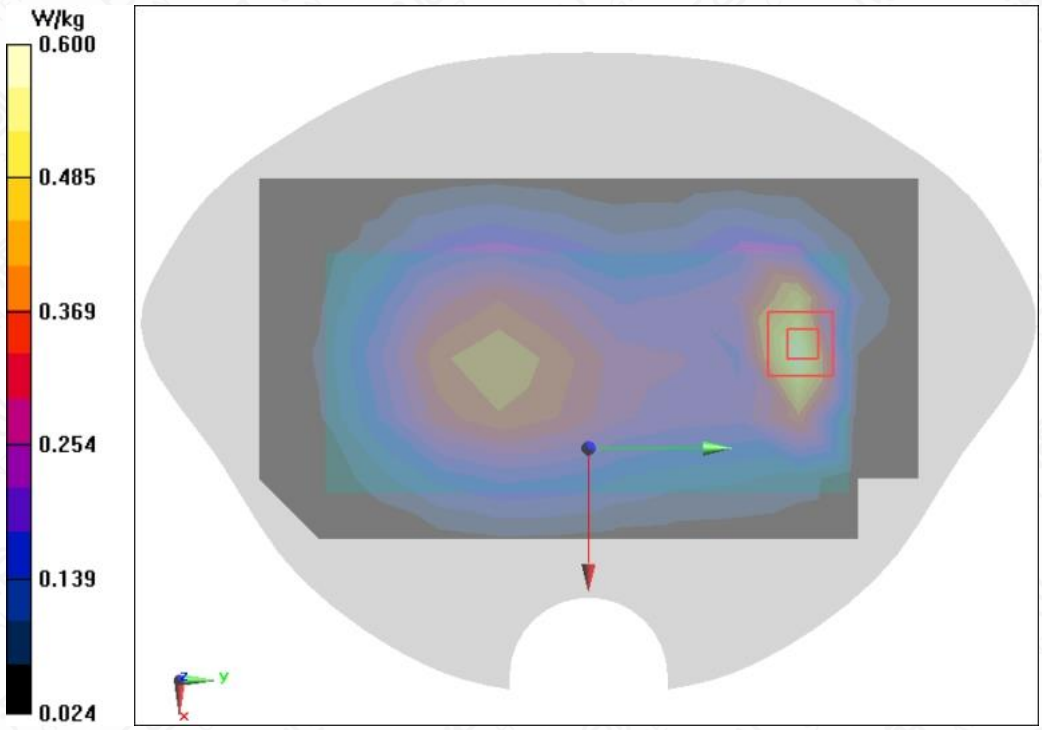


Figure A.1-32 LTE Band26 15MHz 1RB 38offset Back Side Mode Middle 10mm

LTE Band26 15MHz 1RB 38offset Bottom Side Mode Middle 0mm

Date/Time: 2024/12/9

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.92 S/m; ε_r = 42.149; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.7°C

Communication System: LTE B26 900MHz; Frequency: 831.5 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.19, 10.19, 10.19) @ 831.5 MHz

LTE Band26 15MHz 1RB 38offset Bottom Side Mode Middle 0mm/Area Scan (5x7x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.64 W/kg

LTE Band26 15MHz 1RB 38offset Bottom Side Mode Middle 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 40.69 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.59 W/kg

SAR(1 g) = 1.45 W/kg; SAR(10 g) = 0.725 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 37.7%

Maximum value of SAR (measured) = 2.78 W/kg

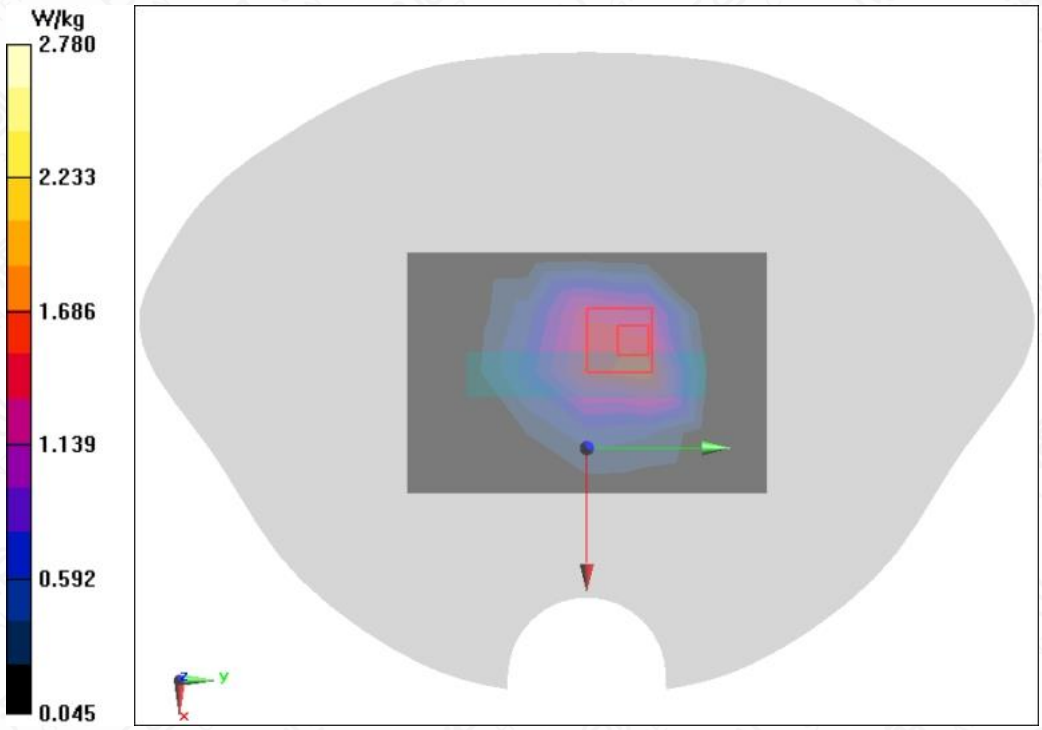


Figure A.1-33 LTE Band26 15MHz 1RB 38offset Bottom Side Mode Middle 0mm

LTE Band26 15MHz 1RB 38offset Right Touch Mode High

Date/Time: 2024/12/24

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 841.5 MHz; σ = 0.904 S/m; ε_r = 43.019; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.5°C

Communication System: LTE B26 900MHz; Frequency: 841.5 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.19, 10.19, 10.19) @ 841.5 MHz

LTE Band26 15MHz 1RB 38offset Right Touch Mode High/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

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

LTE Band26 15MHz 1RB 38offset Right Touch Mode High/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.525 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.283 W/kg

SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.155 W/kg

Smallest distance from peaks to all points 3 dB below = 21.8 mm

Ratio of SAR at M2 to SAR at M1 = 73.6%

Maximum of SAR (measured) = 0.251 W/kg

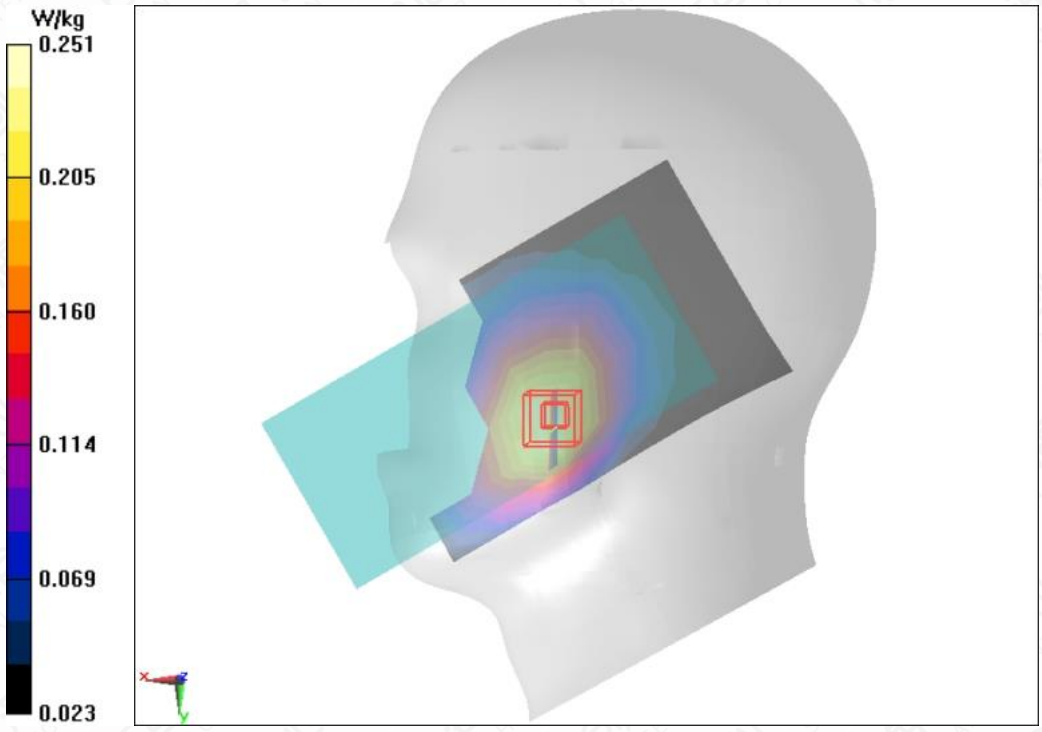


Figure A.1-34 LTE Band26 15MHz 1RB 38offset Right Touch Mode High

LTE Band26 15MHz 1RB 38offset Back Side Mode Middle 10mm

Date/Time: 2024/12/9

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.92 S/m; ε_r = 42.149; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.7°C

Communication System: LTE B26 900MHz; Frequency: 831.5 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.19, 10.19, 10.19) @ 831.5 MHz

LTE Band26 15MHz 1RB 38offset Back Side Mode Middle 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.587 W/kg

LTE Band26 15MHz 1RB 38offset Back Side Mode Middle 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.17 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.762 W/kg

SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.225 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 54.5%

Maximum value of SAR (measured) = 0.600 W/kg

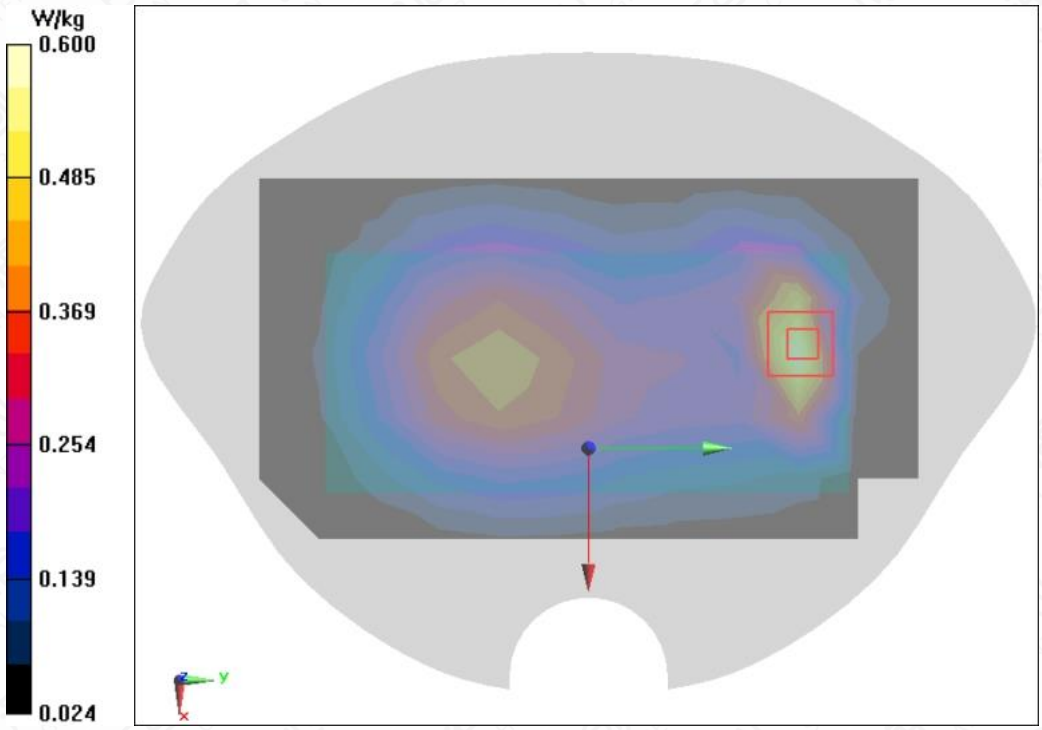


Figure A.1-35 LTE Band26 15MHz 1RB 38offset Back Side Mode Middle 10mm

LTE Band26 15MHz 1RB 38offset Bottom Side Mode Middle 0mm

Date/Time: 2024/12/9

Electronics: DAE4 Sn1581

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.92 S/m; ε_r = 42.149; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.7°C

Communication System: LTE B26 900MHz; Frequency: 831.5 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.19, 10.19, 10.19) @ 831.5 MHz

LTE Band26 15MHz 1RB 38offset Bottom Side Mode Middle 0mm/Area Scan (5x7x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.64 W/kg

LTE Band26 15MHz 1RB 38offset Bottom Side Mode Middle 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 40.69 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.59 W/kg

SAR(1 g) = 1.45 W/kg; SAR(10 g) = 0.725 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 37.7%

Maximum value of SAR (measured) = 2.78 W/kg

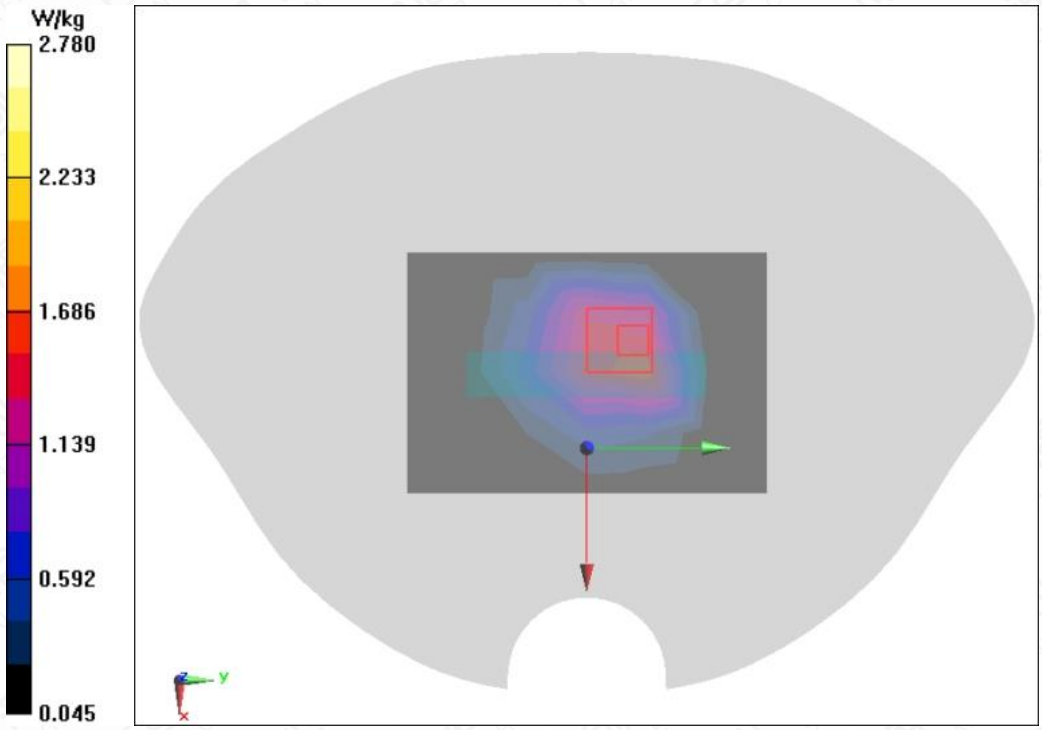


Figure A.1-36 LTE Band26 15MHz 1RB 38offset Bottom Side Mode Middle 0mm

LTE Band30 10MHz 1RB 25offset Left Touch Mode Middle

Date/Time: 2024/12/27

Electronics: DAE4 Sn1581

Medium parameters used: f = 2310 MHz; σ = 1.738 S/m; ε_r = 40.489; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.3°C

Communication System: LTE B30 2300MHz; Frequency: 2310 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.32, 8.32, 8.32) @ 2310 MHz

LTE Band30 10MHz 1RB 25offset Left Touch Mode Middle/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.164 W/kg

LTE Band30 10MHz 1RB 25offset Left Touch Mode Middle/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.032 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.063 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 57.1%

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

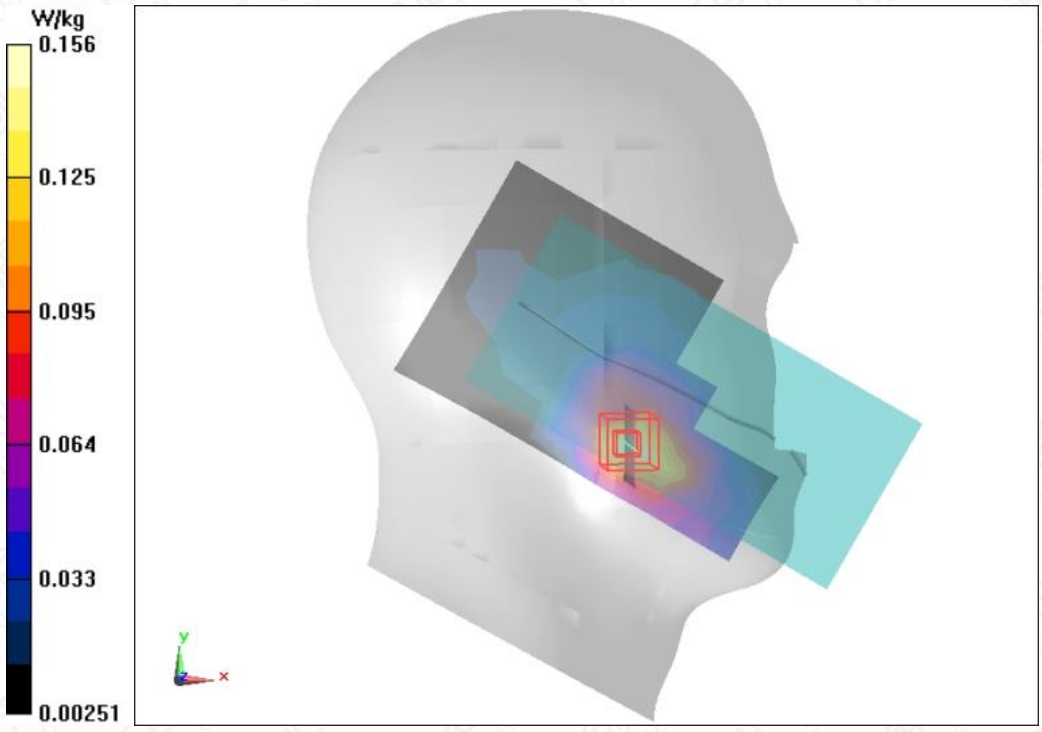


Figure A.1-37 LTE Band30 10MHz 1RB 25offset Left Touch Mode Middle

LTE Band30 10MHz 1RB 25offset Back Side Mode Middle 10mm

Date/Time: 2024/12/27

Electronics: DAE4 Sn1581

Medium parameters used: f = 2310 MHz; σ = 1.738 S/m; ε_r = 40.489; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.3°C

Communication System: LTE B30 2300MHz; Frequency: 2310 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.32, 8.32, 8.32) @ 2310 MHz

LTE Band30 10MHz 1RB 25offset Back Side Mode Middle 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.55 W/kg

LTE Band30 10MHz 1RB 25offset Back Side Mode Middle 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.084 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.469 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 53.3%

Maximum value of SAR (measured) = 1.45 W/kg

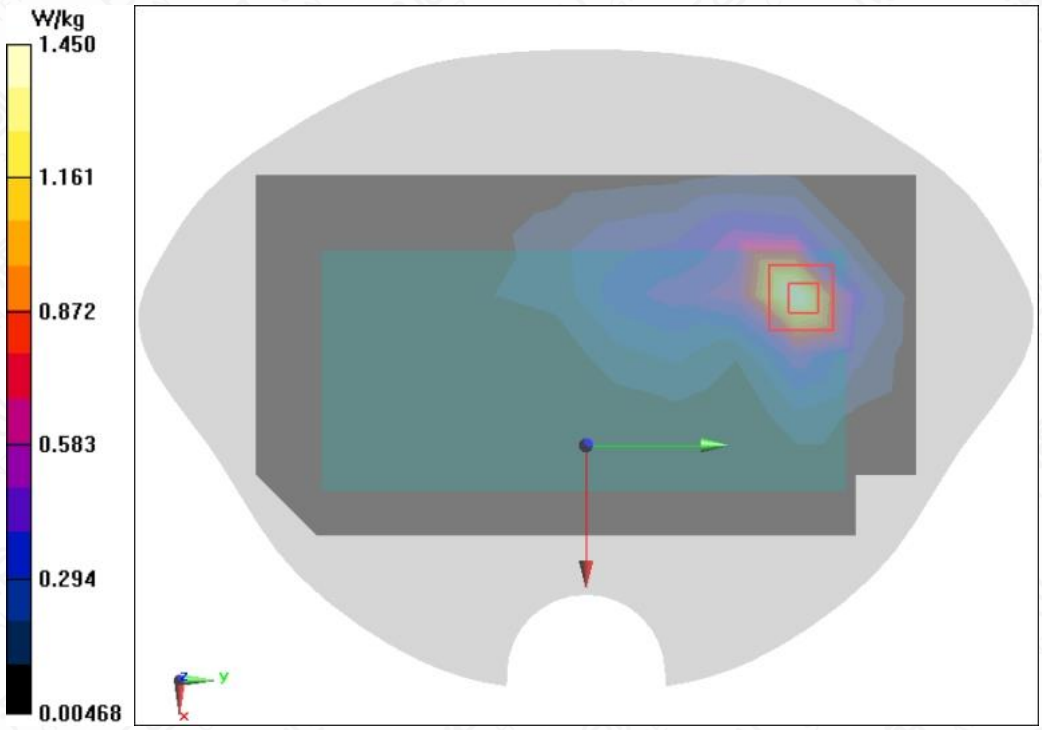


Figure A.1-38 LTE Band30 10MHz 1RB 25offset Back Side Mode Middle 10mm

LTE Band30 10MHz 1RB 25offset Back Side Mode Middle 0mm

Date/Time: 2024/12/27

Electronics: DAE4 Sn1581

Medium parameters used: f = 2310 MHz; σ = 1.738 S/m; ε_r = 40.489; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.3°C

Communication System: LTE B30 2300MHz; Frequency: 2310 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.32, 8.32, 8.32) @ 2310 MHz

LTE Band30 10MHz 1RB 25offset Back Side Mode Middle 0mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 11.5 W/kg

LTE Band30 10MHz 1RB 25offset Back Side Mode Middle 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.76 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 14.5 W/kg

SAR(1 g) = 5.54 W/kg; SAR(10 g) = 1.94 W/kg

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 42.2%

Maximum of SAR (measured) = 10.5 W/kg

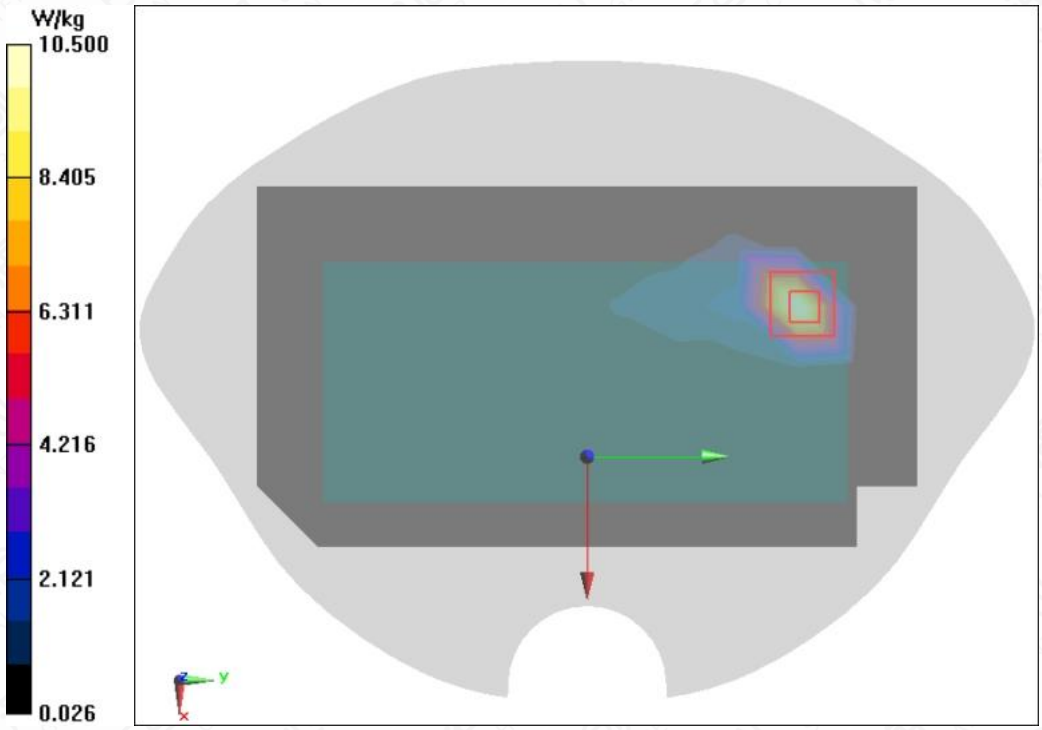


Figure A.1-39 LTE Band30 10MHz 1RB 25offset Back Side Mode Middle 0mm

LTE Band40 10MHz 1RB 25offset Left Touch Mode Middle

Date/Time: 2024/12/27

Electronics: DAE4 Sn1581

Medium parameters used: f = 2310 MHz; σ = 1.738 S/m; ε_r = 40.489; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.3°C

Communication System: LTE B40 2450MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.32, 8.32, 8.32) @ 2310 MHz

LTE Band40 10MHz 1RB 25offset Left Touch Mode Middle/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.117 W/kg

LTE Band40 10MHz 1RB 25offset Left Touch Mode Middle/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.314 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.047 W/kg

Smallest distance from peaks to all points 3 dB below = 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 55.8%

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

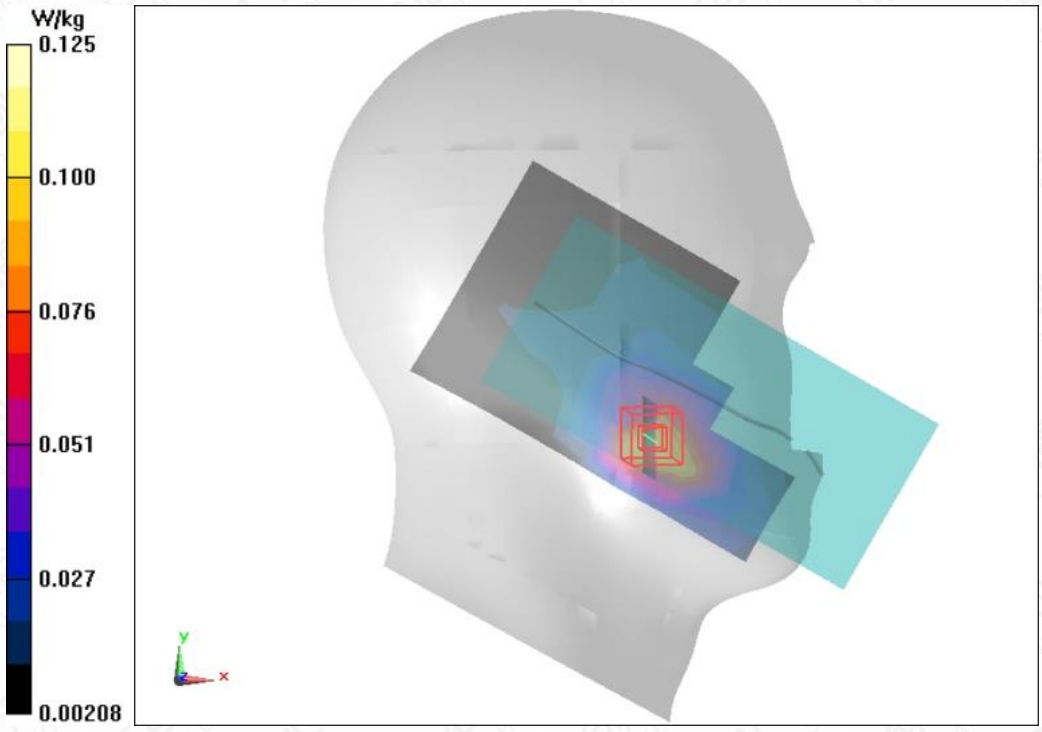


Figure A.1-40 LTE Band40 10MHz 1RB 25offset Left Touch Mode Middle

LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 10mm

Date/Time: 2024/12/27

Electronics: DAE4 Sn1581

Medium parameters used: f = 2310 MHz; σ = 1.738 S/m; ε_r = 40.489; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.3°C

Communication System: LTE B40 2450MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.32, 8.32, 8.32) @ 2310 MHz

LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.888 W/kg

LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.601 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.265 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 53.7%

Maximum value of SAR (measured) = 0.828 W/kg

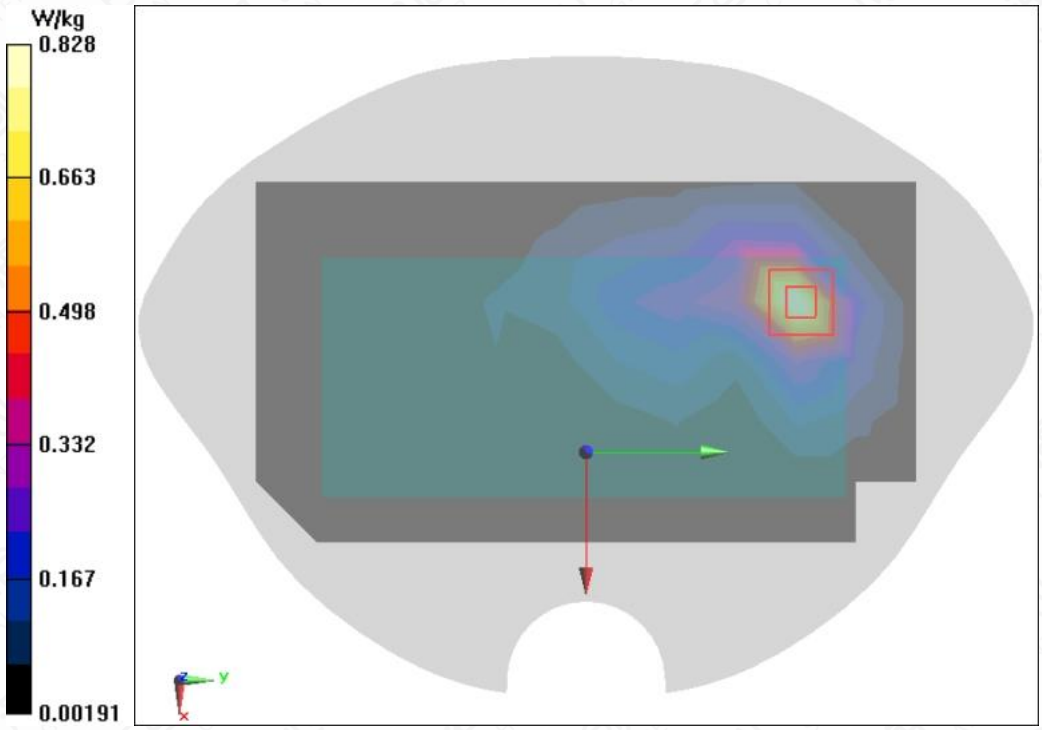


Figure A.1-41 LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 10mm

LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 0mm

Date/Time: 2024/12/27

Electronics: DAE4 Sn1581

Medium parameters used: f = 2310 MHz; σ = 1.738 S/m; ε_r = 40.489; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.3°C

Communication System: LTE B40 2450MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.32, 8.32, 8.32) @ 2310 MHz

LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 0mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 4.52 W/kg

LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.103 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 9.07 W/kg

SAR(1 g) = 3.35 W/kg; SAR(10 g) = 1.18 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 40.5%

Maximum of SAR (measured) = 7.58 W/kg

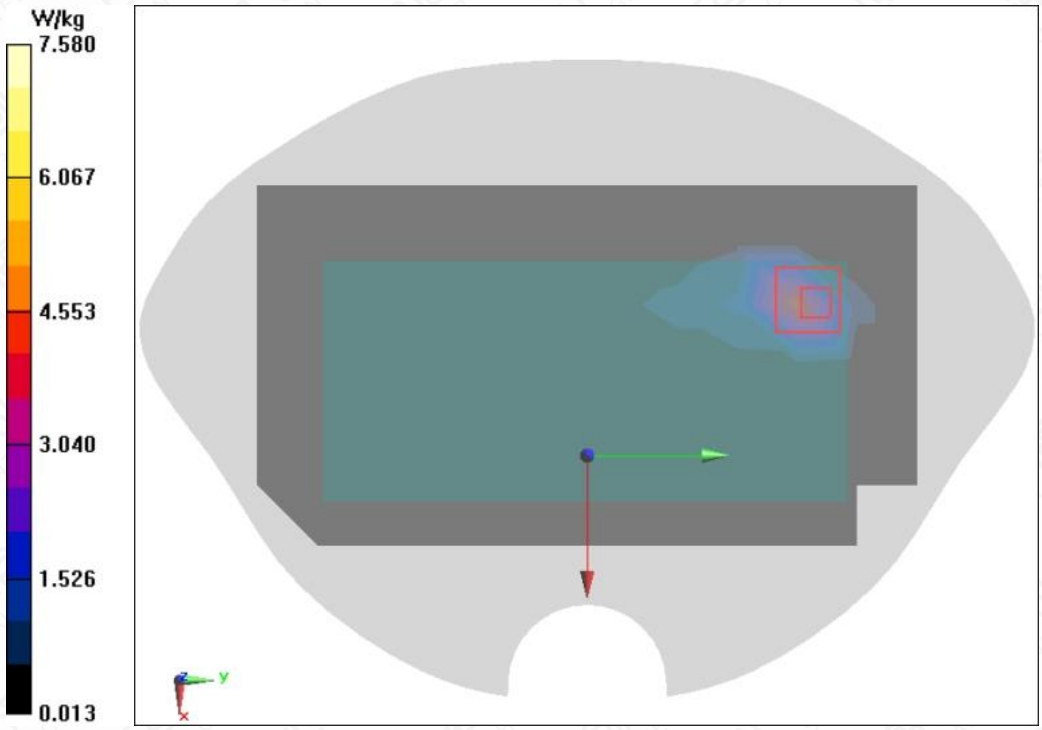


Figure A.1-42 LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 0mm

LTE Band40 10MHz 1RB 25offset Left Touch Mode Middle

Date/Time: 2024/12/27

Electronics: DAE4 Sn1581

Medium parameters used: f = 2355 MHz; σ = 1.775 S/m; ε_r = 40.406; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.3°C

Communication System: LTE B40 2450MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.32, 8.32, 8.32) @ 2355 MHz

LTE Band40 10MHz 1RB 25offset Left Touch Mode Middle/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.146 W/kg

LTE Band40 10MHz 1RB 25offset Left Touch Mode Middle/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.996 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.195 W/kg

SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.059 W/kg

Smallest distance from peaks to all points 3 dB below = 13.9 mm

Ratio of SAR at M2 to SAR at M1 = 55%

Maximum value of SAR (measured) = 0.162 W/kg

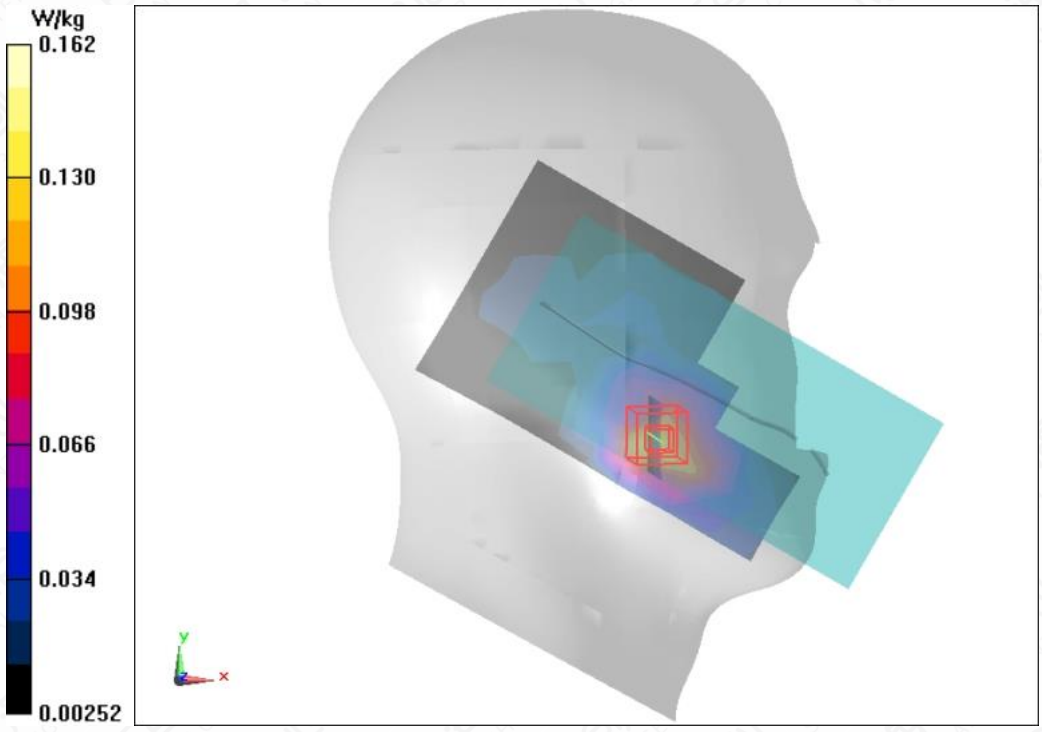


Figure A.1-43 LTE Band40 10MHz 1RB 25offset Left Touch Mode Middle

LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 10mm

Date/Time: 2024/12/27

Electronics: DAE4 Sn1581

Medium parameters used: f = 2355 MHz; σ = 1.775 S/m; ε_r = 40.406; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.3°C

Communication System: LTE B40 2450MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.32, 8.32, 8.32) @ 2355 MHz

LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

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

LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.740 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.307 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 53.1%

Maximum value of SAR (measured) = 0.965 W/kg

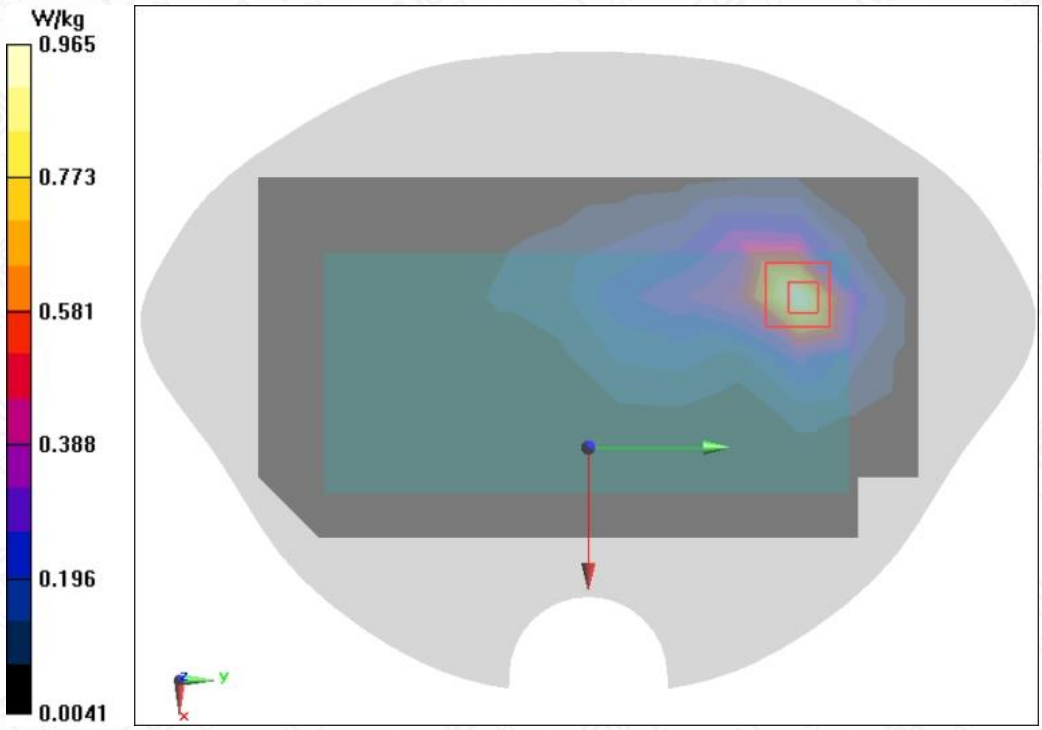


Figure A.1-44 LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 10mm

LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 0mm

Date/Time: 2024/12/27

Electronics: DAE4 Sn1581

Medium parameters used: f = 2355 MHz; σ = 1.775 S/m; ε_r = 40.406; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.3°C

Communication System: LTE B40 2450MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.32, 8.32, 8.32) @ 2355 MHz

LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 0mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 4.92 W/kg

LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.679 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 9.74 W/kg

SAR(1 g) = 3.6 W/kg; SAR(10 g) = 1.28 W/kg

Smallest distance from peaks to all points 3 dB below = 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 40.4%

Maximum of SAR (measured) = 8.15 W/kg

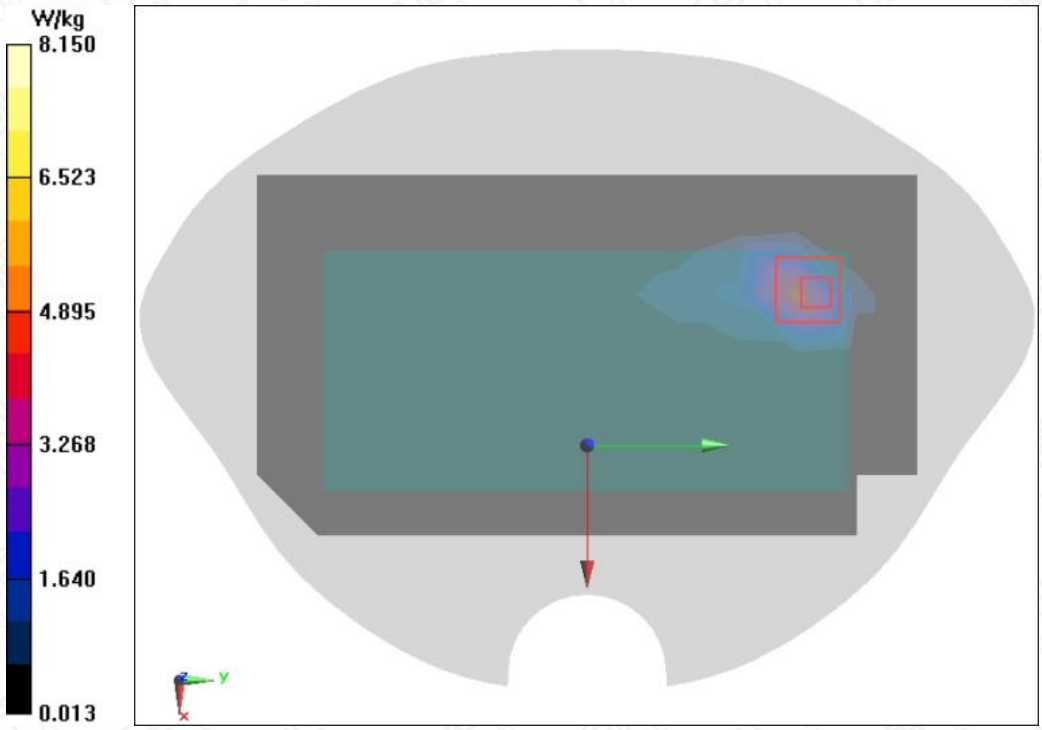


Figure A.1-45 LTE Band40 10MHz 1RB 25offset Back Side Mode Middle 0mm

LTE Band41 20MHz 1RB 50offset Left Touch Mode High

Date/Time: 2025/1/7

Electronics: DAE4 Sn1581

Medium parameters used: f = 2680 MHz; σ = 2.03 S/m; ε_r = 39.776; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.4°C

Communication System: LTE B41 2600MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(7.85, 7.85, 7.85) @ 2680 MHz

LTE Band41 20MHz 1RB 50offset Left Touch Mode High/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.467 W/kg

LTE Band41 20MHz 1RB 50offset Left Touch Mode High/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.407 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.565 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.156 W/kg

Smallest distance from peaks to all points 3 dB below = 12.3 mm

Ratio of SAR at M2 to SAR at M1 = 53.6%

Maximum value of SAR (measured) = 0.451 W/kg

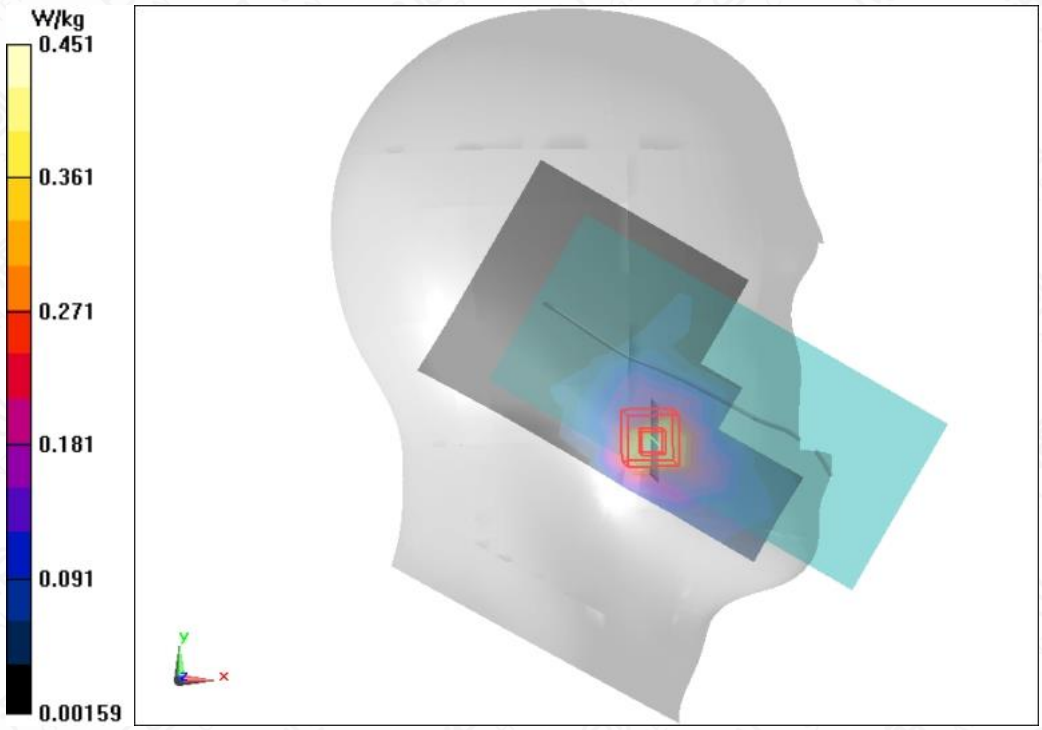


Figure A.1-46 LTE Band41 20MHz 1RB 50offset Left Touch Mode High

LTE Band41 20MHz 1RB 50offset Back Side Mode Low 10mm

Date/Time: 2025/1/7

Electronics: DAE4 Sn1581

Medium parameters used: f = 2510 MHz; σ = 1.89 S/m; ε_r = 40.016; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.4°C

Communication System: LTE B41 2600MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.05, 8.05, 8.05) @ 2510 MHz

LTE Band41 20MHz 1RB 50offset Back Side Mode Low 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

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

LTE Band41 20MHz 1RB 50offset Back Side Mode Low 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.640 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.744 W/kg; SAR(10 g) = 0.362 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 50.6%

Maximum value of SAR (measured) = 1.17 W/kg

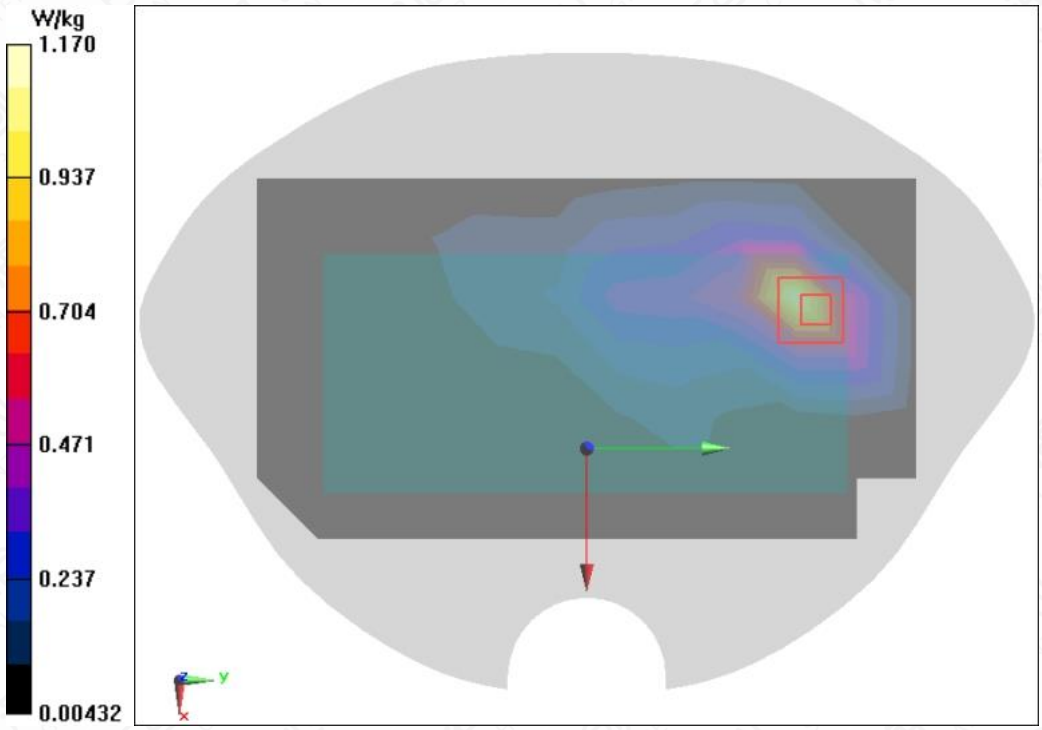


Figure A.1-47 LTE Band41 20MHz 1RB 50offset Back Side Mode Low 10mm

LTE Band41 20MHz 1RB 50offset Left Side Mode High 0mm

Date/Time: 2025/1/7

Electronics: DAE4 Sn1581

Medium parameters used: f = 2680 MHz; σ = 2.03 S/m; ε_r = 39.776; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.4°C

Communication System: LTE B41 2600MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(7.85, 7.85, 7.85) @ 2680 MHz

LTE Band41 20MHz 1RB 50offset Left Side Mode High 0mm/Area Scan (5x12x1):

Measurement grid: dx=12mm, dy=12mm

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

LTE Band41 20MHz 1RB 50offset Left Side Mode High 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.64 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 6.90 W/kg

SAR(1 g) = 2.85 W/kg; SAR(10 g) = 1.22 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 46.9%

Maximum of SAR (measured) = 4.33 W/kg

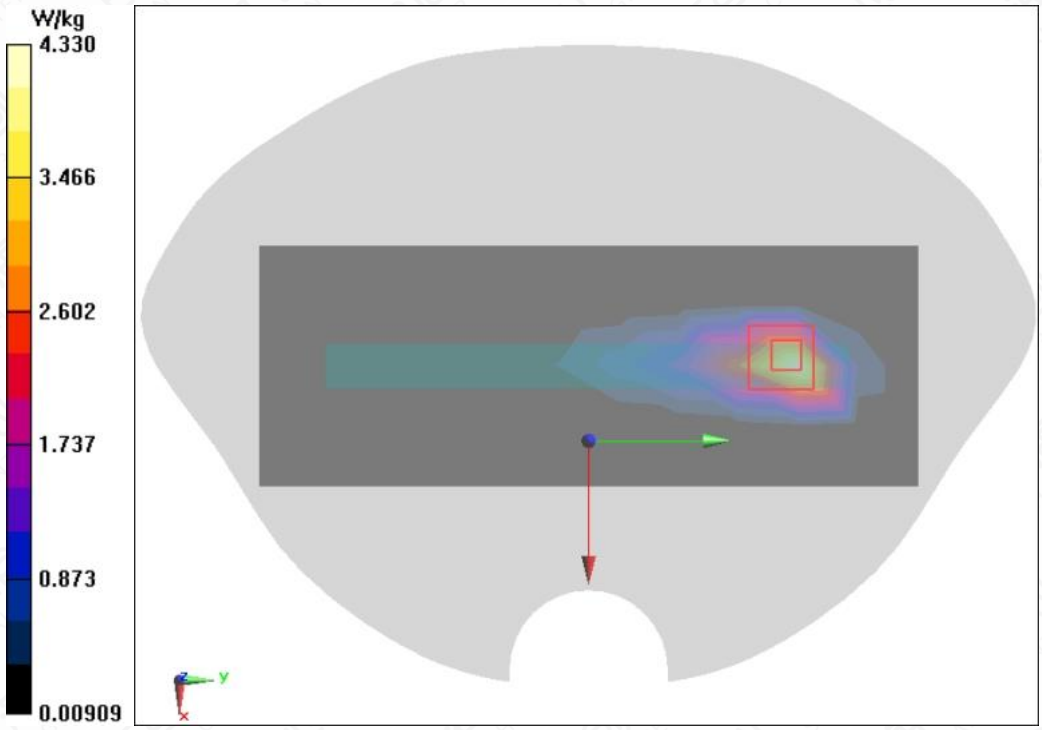


Figure A.1-48 LTE Band41 20MHz 1RB 50offset Left Side Mode High 0mm

LTE Band66 20MHz 1RB 50offset Left Touch Mode High

Date/Time: 2024/12/16

Electronics: DAE4 Sn1581

Medium parameters used: f = 1770 MHz; σ = 1.332 S/m; ε_r = 39.111; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.4°C

Communication System: LTE B66 1900MHz; Frequency: 1770 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.86, 8.86, 8.86) @ 1770 MHz

LTE Band66 20MHz 1RB 50offset Left Touch Mode High/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.152 W/kg

LTE Band66 20MHz 1RB 50offset Left Touch Mode High/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.609 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.223 W/kg

SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.085 W/kg

Smallest distance from peaks to all points 3 dB below = 15 mm

Ratio of SAR at M2 to SAR at M1 = 62.5%

Maximum value of SAR (measured) = 0.192 W/kg

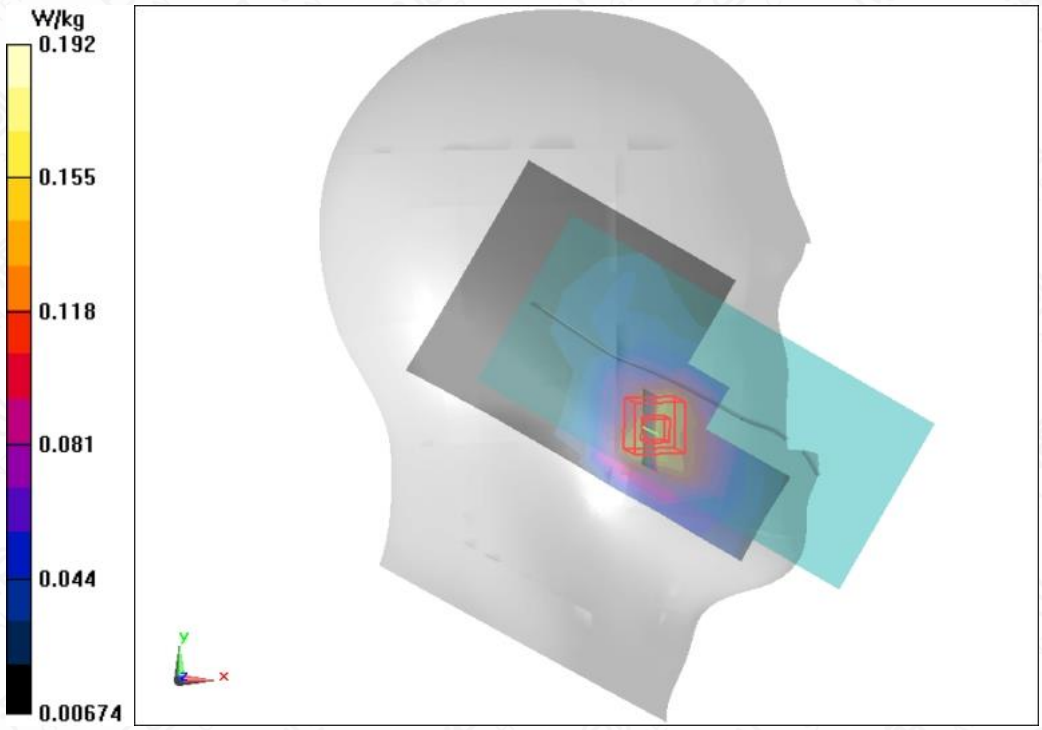


Figure A.1-49 LTE Band66 20MHz 1RB 50offset Left Touch Mode High

LTE Band66 20MHz 50RB 25offset Back Side Mode High 10mm

Date/Time: 2025/1/15

Electronics: DAE4 Sn1581

Medium parameters used: f = 1770 MHz; σ = 1.326 S/m; ε_r = 38.605; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.3°C

Communication System: LTE B66 1900MHz; Frequency: 1770 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.86, 8.86, 8.86) @ 1770 MHz

LTE Band66 20MHz 50RB 25offset Back Side Mode High 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.821 W/kg

LTE Band66 20MHz 50RB 25offset Back Side Mode High 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.561 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.951 W/kg; SAR(10 g) = 0.492 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 56.3%

Maximum value of SAR (measured) = 1.42 W/kg

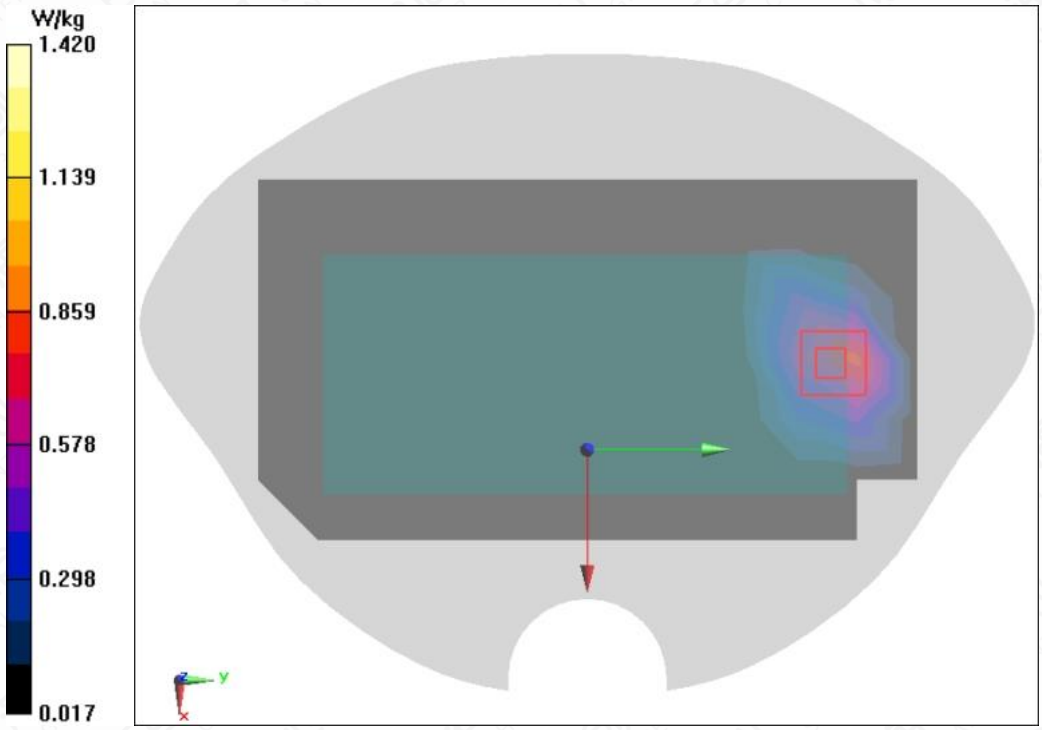


Figure A.1-50 LTE Band66 20MHz 50RB 25offset Back Side Mode High 10mm

LTE Band66 20MHz 1RB 50offset Left Side Mode High 0mm

Date/Time: 2024/12/16

Electronics: DAE4 Sn1581

Medium parameters used: f = 1770 MHz; σ = 1.332 S/m; ε_r = 39.111; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.4°C

Communication System: LTE B66 1900MHz; Frequency: 1770 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.86, 8.86, 8.86) @ 1770 MHz

LTE Band66 20MHz 1RB 50offset Left Side Mode High 0mm/Area Scan (5x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.85 W/kg

LTE Band66 20MHz 1RB 50offset Left Side Mode High 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.00 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.80 W/kg

SAR(1 g) = 1.75 W/kg; SAR(10 g) = 0.868 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 46.9%

Maximum value of SAR (measured) = 2.87 W/kg

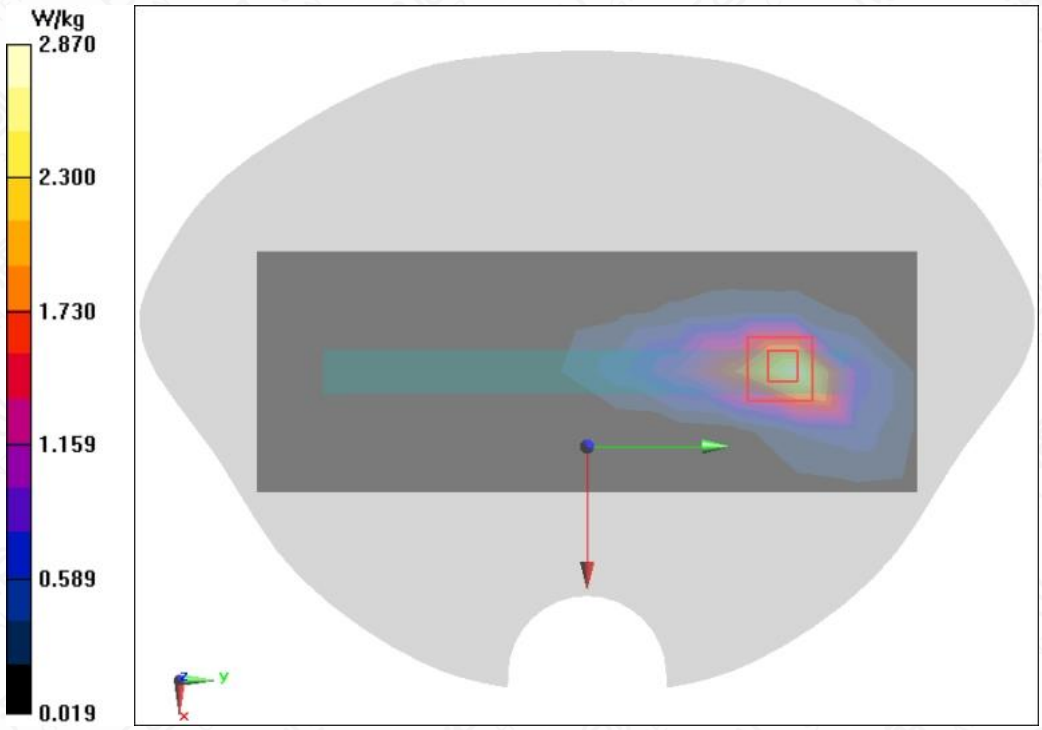


Figure A.1-51 LTE Band66 20MHz 1RB 50offset Left Side Mode High 0mm

LTE Band71 20MHz 1RB 50offset Right Touch Mode Low

Date/Time: 2024/12/23

Electronics: DAE4 Sn1581

Medium parameters used: f = 673 MHz; σ = 0.847 S/m; ε_r = 43.568; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.6°C

Communication System: LTE B71 900MHz; Frequency: 673 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.6, 10.6, 10.6) @ 673 MHz

LTE Band71 20MHz 1RB 50offset Right Touch Mode Low/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.117 W/kg

LTE Band71 20MHz 1RB 50offset Right Touch Mode Low/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.949 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.138 W/kg

SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.077 W/kg

Smallest distance from peaks to all points 3 dB below = 20.8 mm

Ratio of SAR at M2 to SAR at M1 = 71%

Maximum of SAR (measured) = 0.121 W/kg

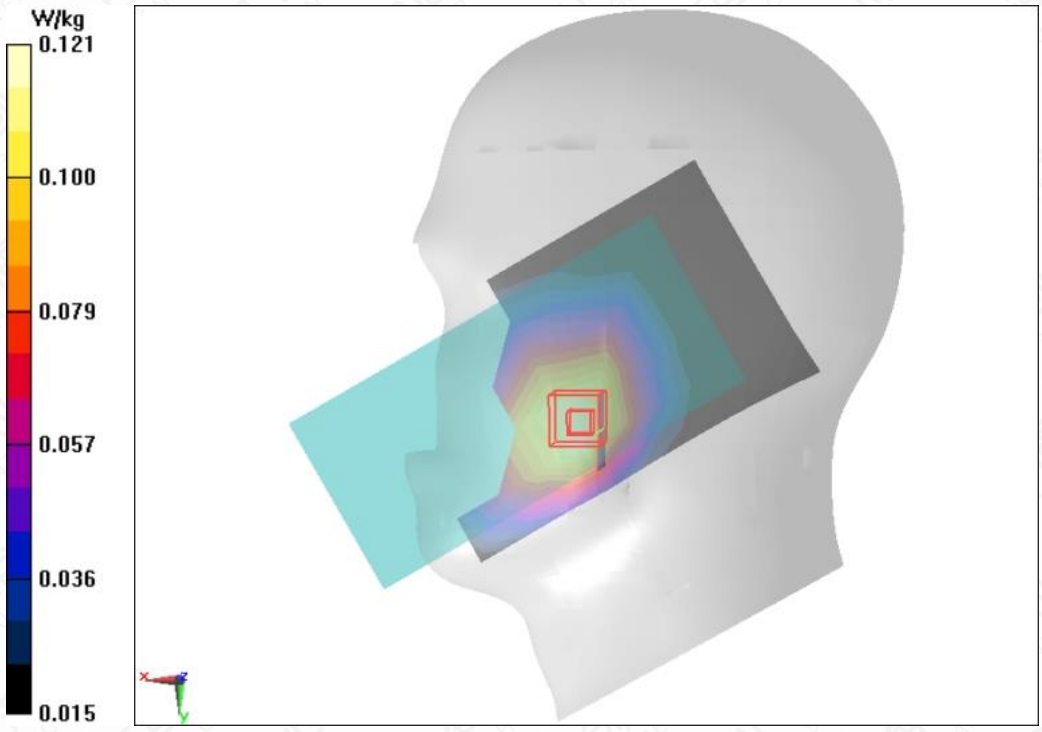


Figure A.1-52 LTE Band71 20MHz 1RB 50offset Right Touch Mode Low

LTE Band71 20MHz 1RB 50offset Back Side Mode Low 10mm

Date/Time: 2024/12/23

Electronics: DAE4 Sn1581

Medium parameters used: f = 673 MHz; σ = 0.847 S/m; ε_r = 43.568; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.6°C

Communication System: LTE B71 900MHz; Frequency: 673 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.6, 10.6, 10.6) @ 673 MHz

LTE Band71 20MHz 1RB 50offset Back Side Mode Low 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.402 W/kg

LTE Band71 20MHz 1RB 50offset Back Side Mode Low 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.73 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.442 W/kg

SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.254 W/kg

Smallest distance from peaks to all points 3 dB below = 15 mm

Ratio of SAR at M2 to SAR at M1 = 75.1%

Maximum value of SAR (measured) = 0.402 W/kg

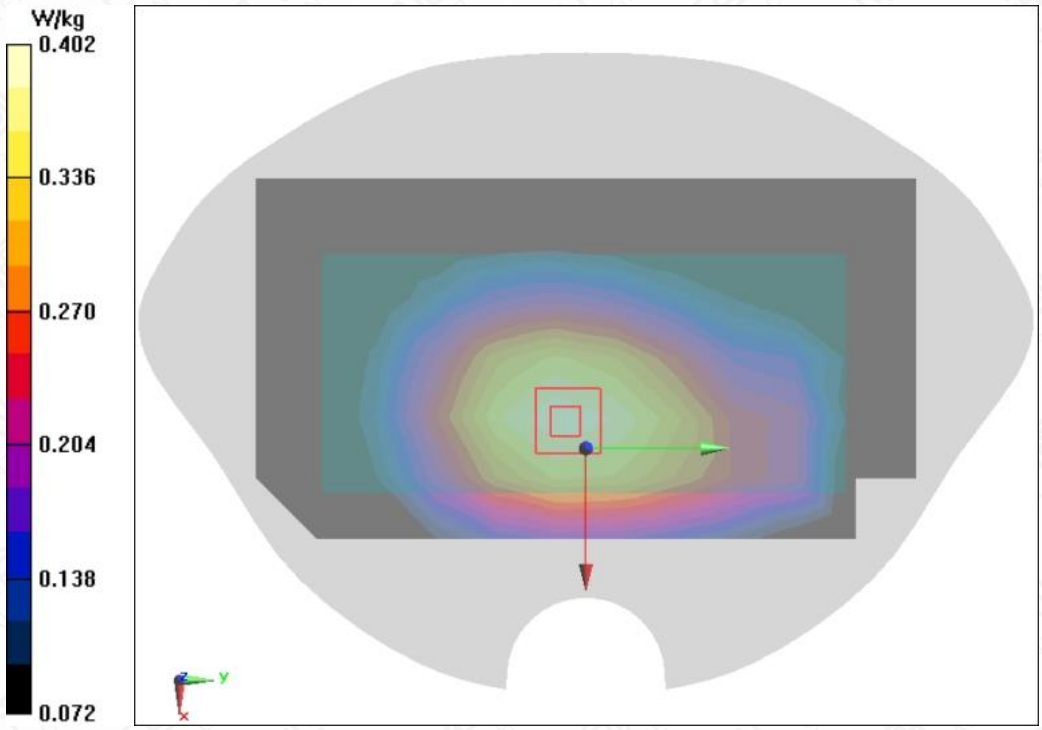


Figure A.1-53 LTE Band71 20MHz 1RB 50offset Back Side Mode Low 10mm

LTE Band71 20MHz 1RB 50offset Back Side Mode High 0mm

Date/Time: 2024/12/23

Electronics: DAE4 Sn1581

Medium parameters used: f = 688 MHz; σ = 0.849 S/m; ε_r = 43.488; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.6°C

Communication System: LTE B71 900MHz; Frequency: 688 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(10.6, 10.6, 10.6) @ 688 MHz

LTE Band71 20MHz 1RB 50offset Back Side Mode High 0mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.38 W/kg

LTE Band71 20MHz 1RB 50offset Back Side Mode High 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.29 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 4.59 W/kg

SAR(1 g) = 1.45 W/kg; SAR(10 g) = 0.693 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 32.5%

Maximum of SAR (measured) = 2.89 W/kg

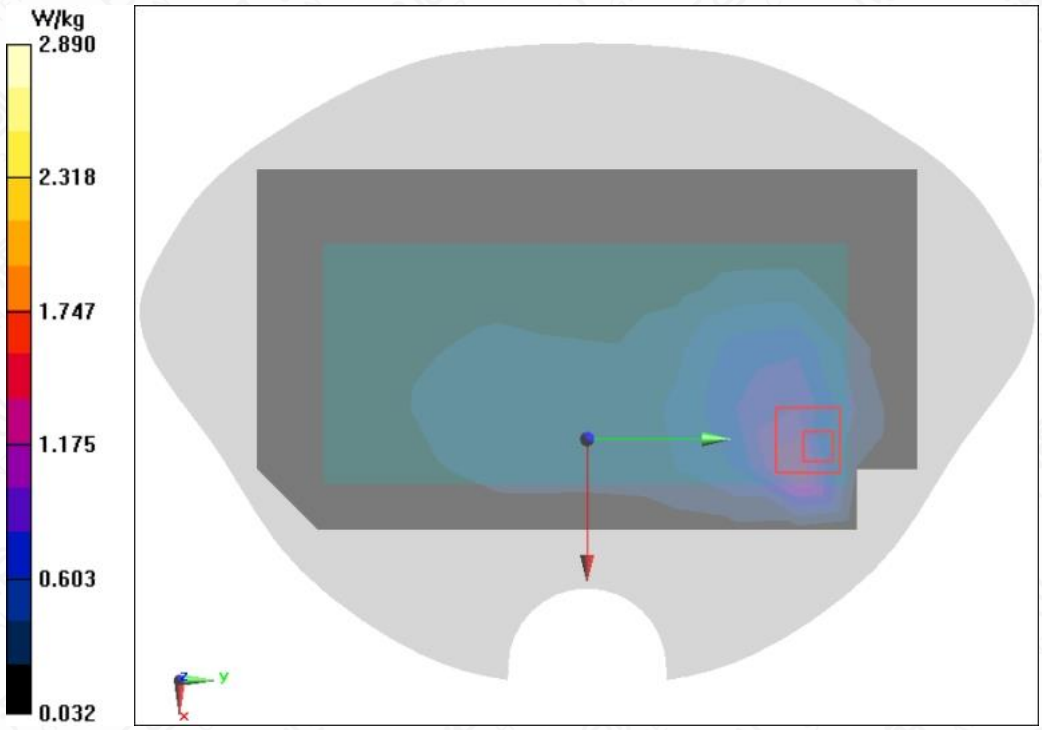


Figure A.1-54 LTE Band71 20MHz 1RB 50offset Back Side Mode High 0mm

Wi-Fi2.4G 802.11b Left Touch Mode Middle

Date/Time: 2025/1/2

Electronics: DAE4 Sn1581

Medium parameters used: f = 2437 MHz; σ = 1.839 S/m; ε_r = 40.281; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.3°C

Communication System: WLAN 2450MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.05, 8.05, 8.05) @ 2437 MHz

Wi-Fi2.4G 802.11b Left Touch Mode Middle/Area Scan (12x6x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.26 W/kg

Wi-Fi2.4G 802.11b Left Touch Mode Middle/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.71 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.389 W/kg

Smallest distance from peaks to all points 3 dB below = 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 55.6%

Maximum value of SAR (measured) = 1.20 W/kg

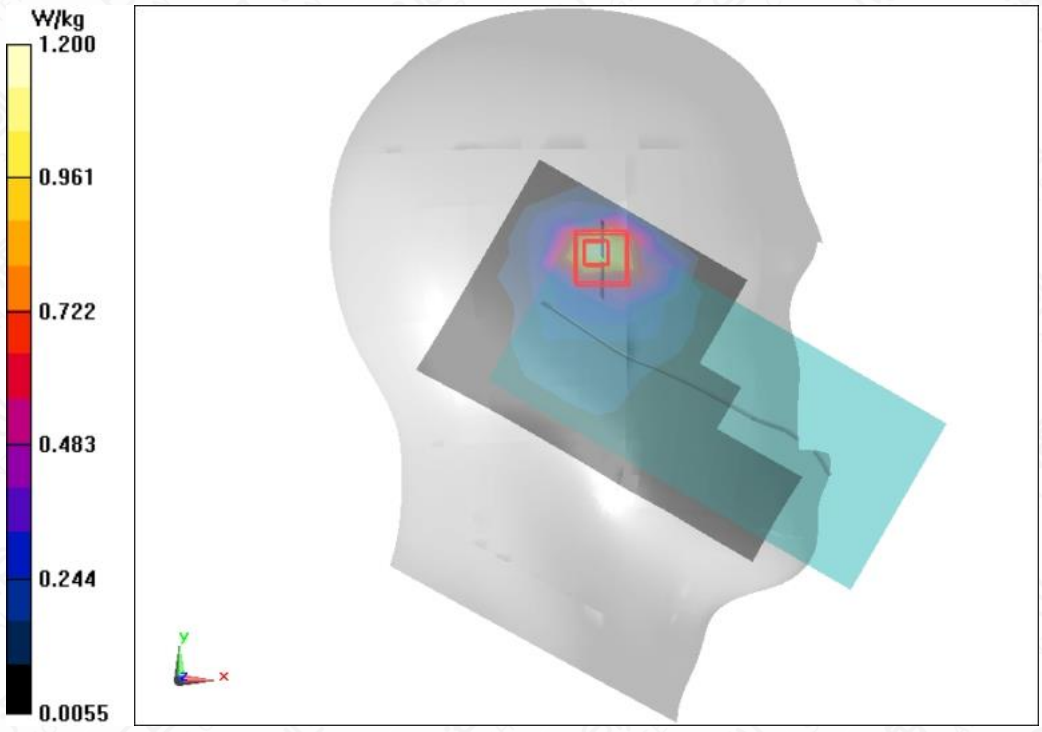


Figure A.1-55 Wi-Fi2.4G 802.11b Left Touch Mode Middle

Wi-Fi2.4G 802.11b Back Side Mode Low 10mm

Date/Time: 2025/1/2

Electronics: DAE4 Sn1581

Medium parameters used: f = 2412 MHz; σ = 1.821 S/m; ε_r = 40.333; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.3°C

Communication System: WLAN 2450MHz; Frequency: 2412 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.05, 8.05, 8.05) @ 2412 MHz

Wi-Fi2.4G 802.11b Back Side Mode Low 10mm/Area Scan (7x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.365 W/kg

Wi-Fi2.4G 802.11b Back Side Mode Low 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.604 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.554 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.158 W/kg

Smallest distance from peaks to all points 3 dB below = 15.8 mm

Ratio of SAR at M2 to SAR at M1 = 52%

Maximum value of SAR (measured) = 0.452 W/kg

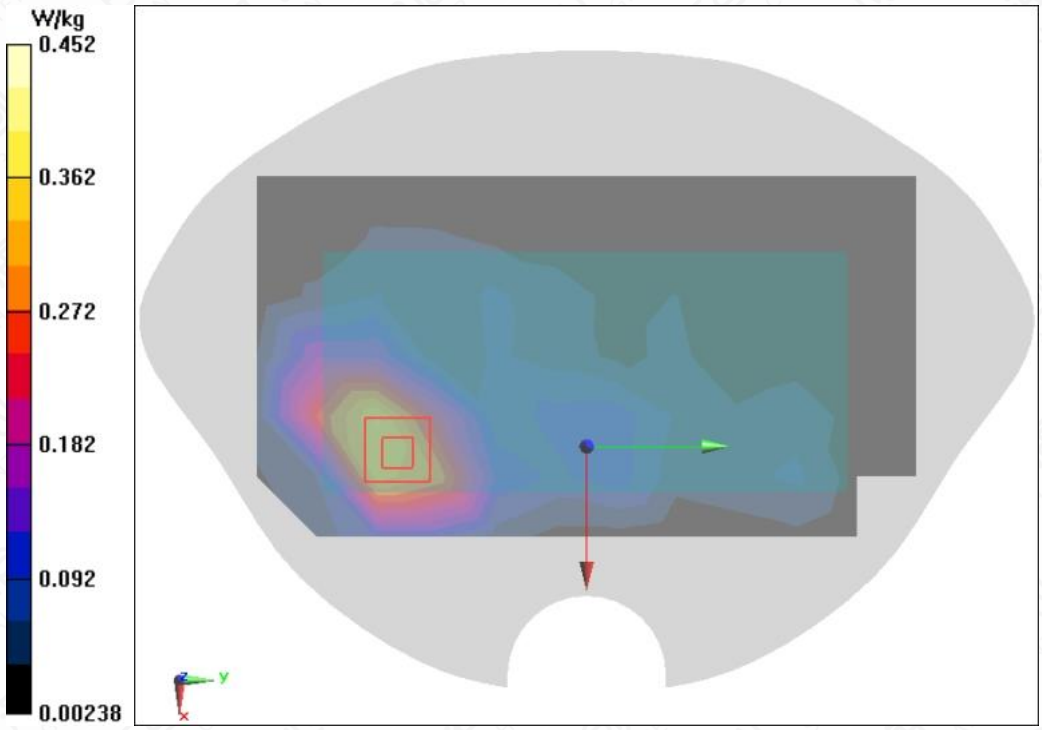


Figure A.1-56 Wi-Fi2.4G 802.11b Back Side Mode Low 10mm

Wi-Fi2.4G 802.11b Top Side Mode Middle 10mm

Date/Time: 2025/1/2

Electronics: DAE4 Sn1581

Medium parameters used: f = 2437 MHz; σ = 1.839 S/m; ε_r = 40.281; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.3°C

Communication System: WLAN 2450MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.05, 8.05, 8.05) @ 2437 MHz

Wi-Fi2.4G 802.11b Top Side Mode Middle 10mm/Area Scan (5x7x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.484 W/kg

Wi-Fi2.4G 802.11b Top Side Mode Middle 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.84 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.153 W/kg

Smallest distance from peaks to all points 3 dB below = 12.2 mm

Ratio of SAR at M2 to SAR at M1 = 49.9%

Maximum value of SAR (measured) = 0.484 W/kg

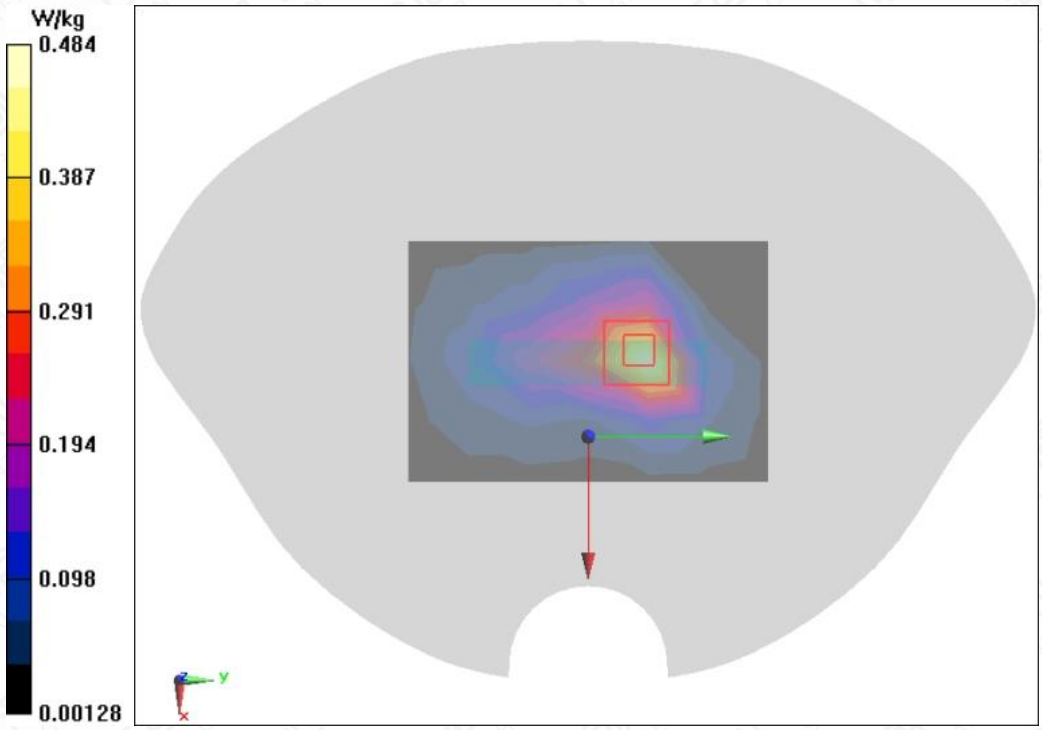


Figure A.1-57 Wi-Fi2.4G 802.11b Top Side Mode Middle 10mm

Wi-Fi2.4G 802.11b Right Side Mode Low 0mm

Date/Time: 2025/1/2

Electronics: DAE4 Sn1581

Medium parameters used: f = 2412 MHz; σ = 1.821 S/m; ε_r = 40.333; ρ = 1000 kg/m^3

Ambient Temperature:21.4°C Liquid Temperature:20.3°C

Communication System: WLAN 2450MHz; Frequency: 2412 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(8.05, 8.05, 8.05) @ 2412 MHz

Wi-Fi2.4G 802.11b Right Side Mode Low 0mm/Area Scan (5x12x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.56 W/kg

Wi-Fi2.4G 802.11b Right Side Mode Low 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.26 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.57 W/kg

SAR(1 g) = 1.54 W/kg; SAR(10 g) = 0.685 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 42.2%

Maximum value of SAR (measured) = 2.69 W/kg

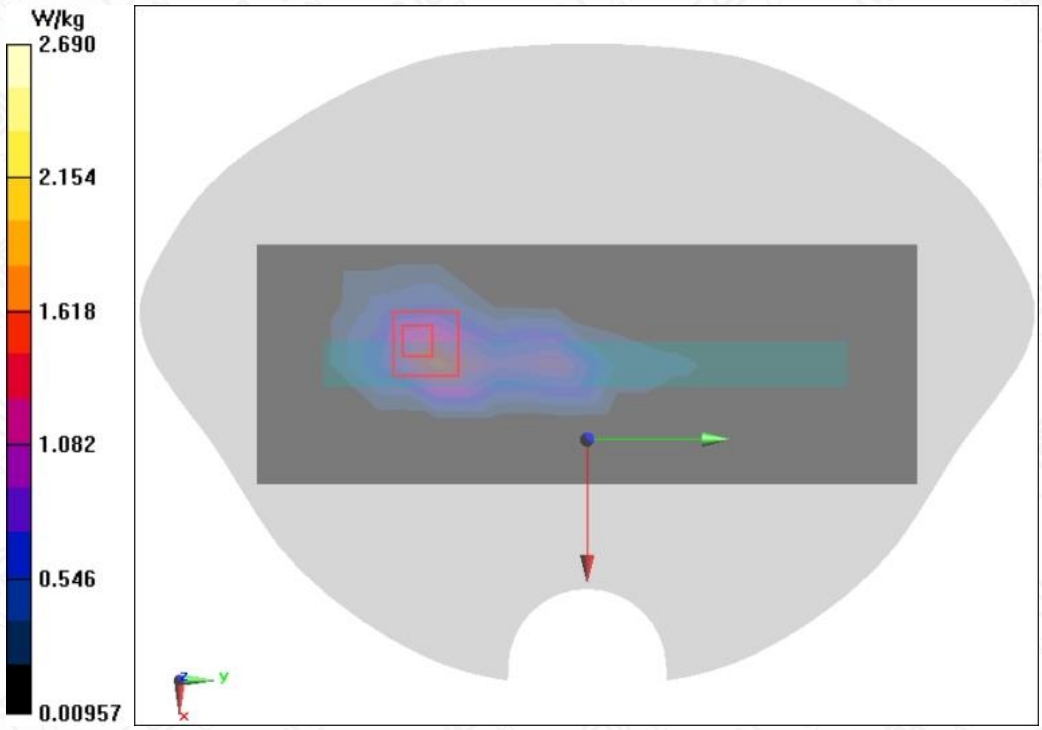


Figure A.1-58 Wi-Fi2.4G 802.11b Right Side Mode Low 0mm

Wi-Fi5G U-NII-1 802.11a Right Touch Mode High

Date/Time: 2025/1/8

Electronics: DAE4 Sn1581

Medium parameters used: f = 5240 MHz; σ = 4.763 S/m; ε_r = 35.686; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.5°C

Communication System: 5G-U-NII-1 5GHz; Frequency: 5240 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(5.75, 5.75, 5.75) @ 5240 MHz

Wi-Fi5G U-NII-1 802.11a Right Touch Mode High/Area Scan (12x6x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.662 W/kg

Wi-Fi5G U-NII-1 802.11a Right Touch Mode High/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.128 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 34.1%

Maximum of SAR (measured) = 0.837 W/kg

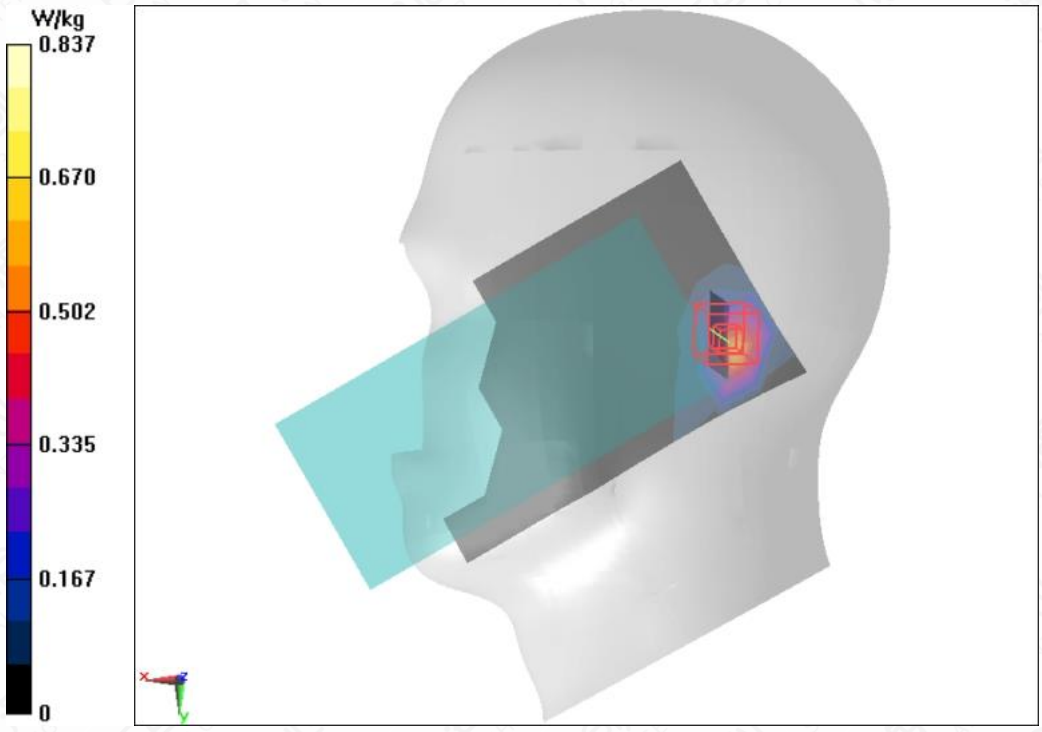


Figure A.1-59 Wi-Fi5G U-NII-1 802.11a Right Touch Mode High

Wi-Fi5G U-NII-1 802.11a Back Side Mode High 10mm

Date/Time: 2025/1/8

Electronics: DAE4 Sn1581

Medium parameters used: f = 5240 MHz; σ = 4.763 S/m; ε_r = 35.686; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.5°C

Communication System: 5G-U-NII-1 5GHz; Frequency: 5240 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(5.75, 5.75, 5.75) @ 5240 MHz

Wi-Fi5G U-NII-1 802.11a Back Side Mode High 10mm/Area Scan (7x12x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.315 W/kg

Wi-Fi5G U-NII-1 802.11a Back Side Mode High 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.634 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.083 W/kg

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 40%

Maximum of SAR (measured) = 0.442 W/kg

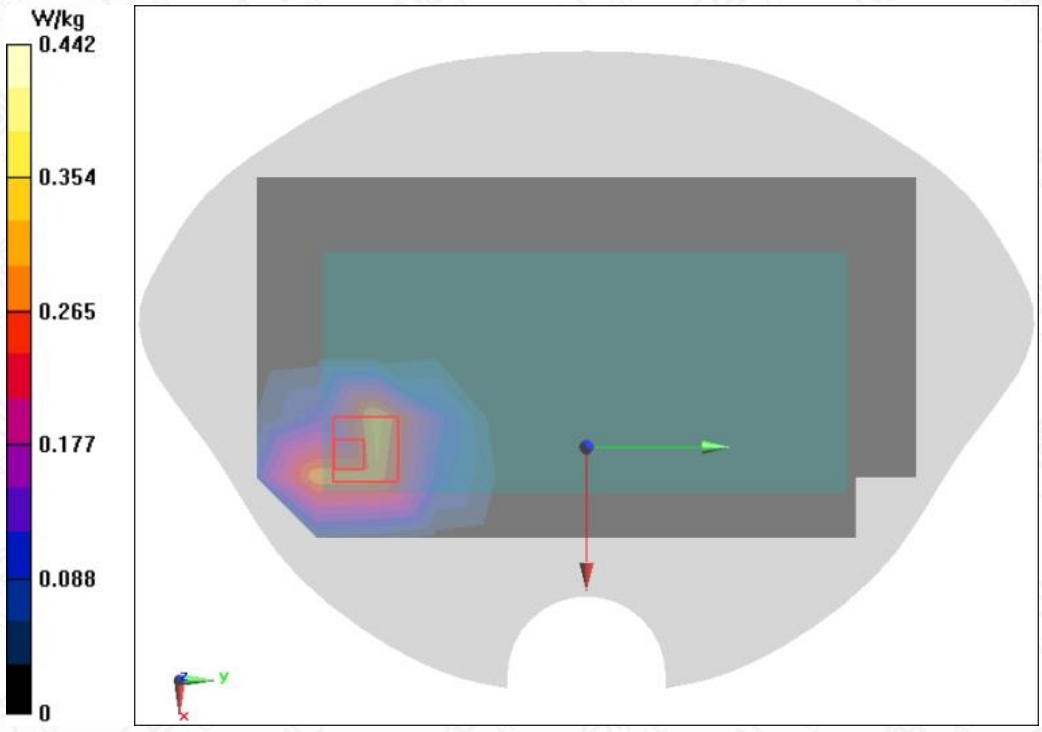


Figure A.1-60 Wi-Fi5G U-NII-1 802.11a Back Side Mode High 10mm

Wi-Fi5G U-NII-1 802.11a Top Side Mode High 10mm

Date/Time: 2025/1/8

Electronics: DAE4 Sn1581

Medium parameters used: f = 5240 MHz; σ = 4.763 S/m; ε_r = 35.686; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.5°C

Communication System: 5G-U-NII-1 5GHz; Frequency: 5240 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(5.75, 5.75, 5.75) @ 5240 MHz

Wi-Fi5G U-NII-1 802.11a Top Side Mode High 10mm/Area Scan (5x7x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.612 W/kg

Wi-Fi5G U-NII-1 802.11a Top Side Mode High 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.772 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.963 W/kg

SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.115 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 37.9%

Maximum of SAR (measured) = 0.628 W/kg

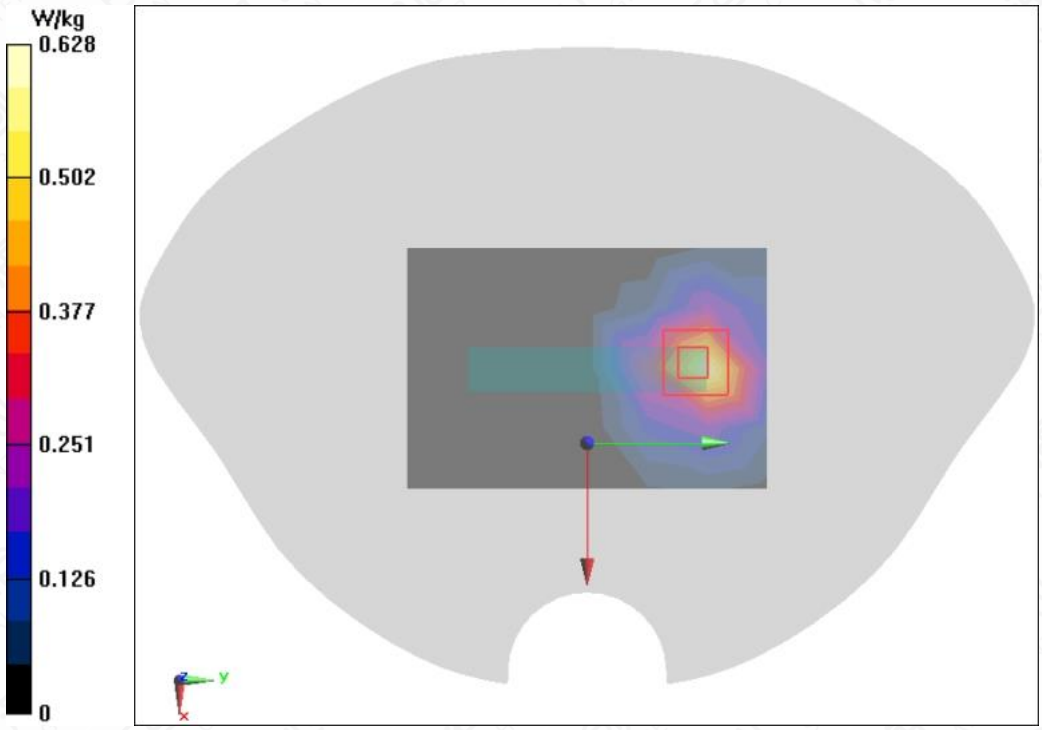


Figure A.1-61 Wi-Fi5G U-NII-1 802.11a Top Side Mode High 10mm

Wi-Fi5G U-NII-1 802.11a Right Side Mode High 0mm

Date/Time: 2025/1/8

Electronics: DAE4 Sn1581

Medium parameters used: f = 5240 MHz; σ = 4.763 S/m; ε_r = 35.686; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.5°C

Communication System: 5G-U-NII-1 5GHz; Frequency: 5240 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(5.75, 5.75, 5.75) @ 5240 MHz

Wi-Fi5G U-NII-1 802.11a Right Side Mode High 0mm/Area Scan (5x12x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.23 W/kg

Wi-Fi5G U-NII-1 802.11a Right Side Mode High 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.989 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 7.23 W/kg

SAR(1 g) = 1.5 W/kg; SAR(10 g) = 0.434 W/kg

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 39.2%

Maximum of SAR (measured) = 4.03 W/kg

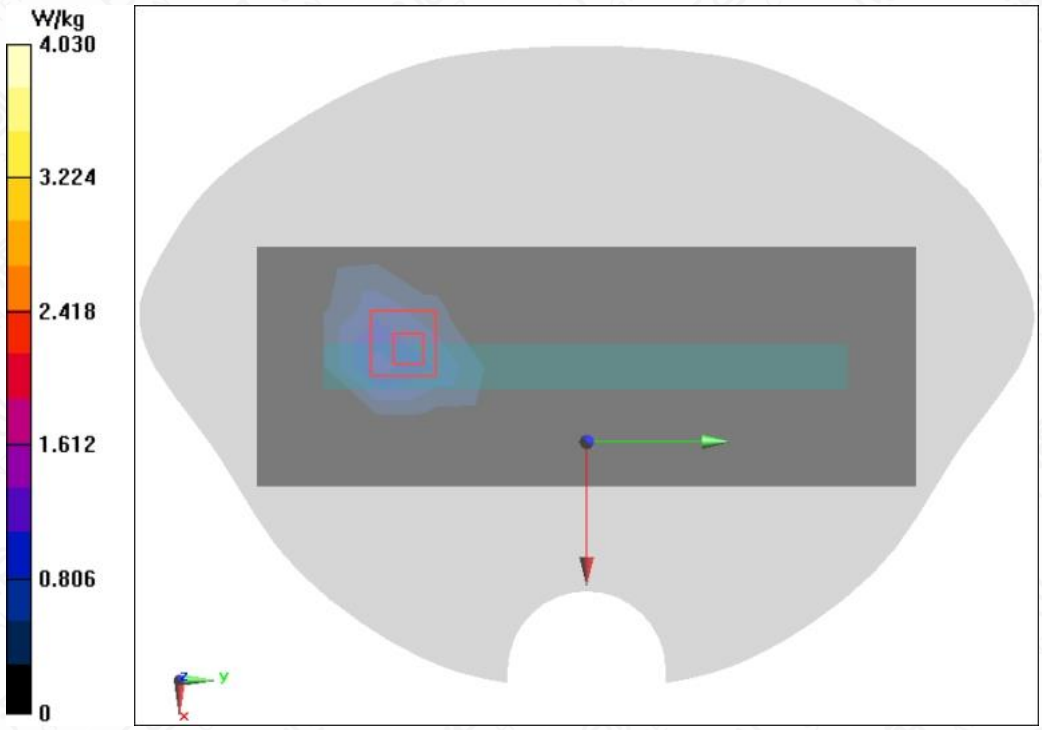


Figure A.1-62 Wi-Fi5G U-NII-1 802.11a Right Side Mode High 0mm

Wi-Fi5G U-NII-2A 802.11a Right Tilt Mode High

Date/Time: 2025/1/8

Electronics: DAE4 Sn1581

Medium parameters used: f = 5320 MHz; σ = 4.857 S/m; ε_r = 35.526; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.5°C

Communication System: 5G-U-NII-2A 5GHz; Frequency: 5320 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(5.75, 5.75, 5.75) @ 5320 MHz

Wi-Fi5G U-NII-2A 802.11a Right Tilt Mode High/Area Scan (12x6x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.707 W/kg

Wi-Fi5G U-NII-2A 802.11a Right Tilt Mode High/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.132 W/kg

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 34%

Maximum of SAR (measured) = 0.823 W/kg

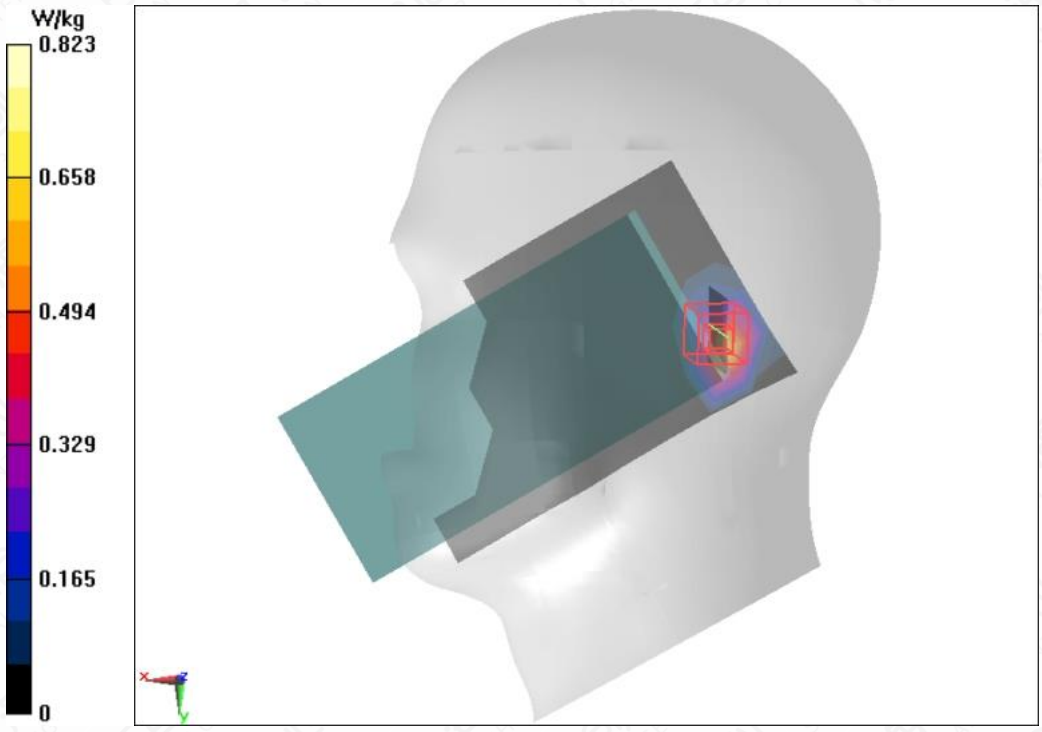


Figure A.1-63 Wi-Fi5G U-NII-2A 802.11a Right Tilt Mode High

Wi-Fi5G U-NII-2A 802.11a Back Side Mode Middle 10mm

Date/Time: 2025/1/8

Electronics: DAE4 Sn1581

Medium parameters used: f = 5280 MHz; σ = 4.811 S/m; ε_r = 35.599; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.5°C

Communication System: 5G-U-NII-2A 5GHz; Frequency: 5280 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(5.75, 5.75, 5.75) @ 5280 MHz

Wi-Fi5G U-NII-2A 802.11a Back Side Mode Middle 10mm/Area Scan (7x12x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.375 W/kg

Wi-Fi5G U-NII-2A 802.11a Back Side Mode Middle 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.719 W/kg

SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.095 W/kg

Smallest distance from peaks to all points 3 dB below = 11.6 mm

Ratio of SAR at M2 to SAR at M1 = 35.1%

Maximum of SAR (measured) = 0.497 W/kg

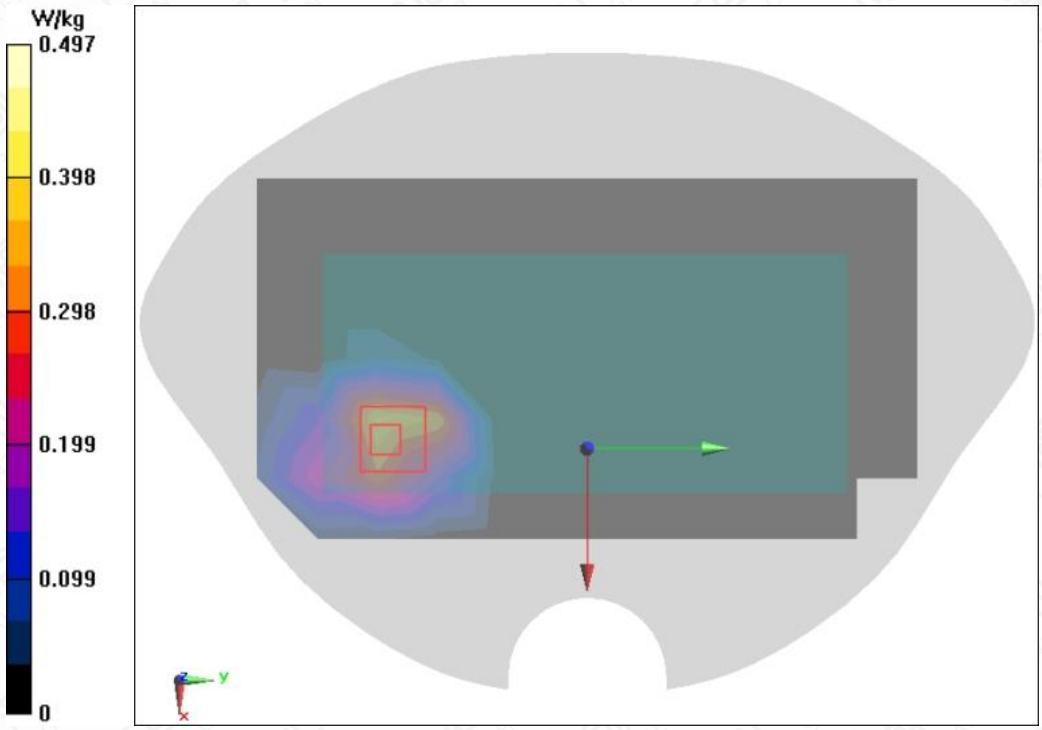


Figure A.1-64 Wi-Fi5G U-NII-2A 802.11a Back Side Mode Middle 10mm

Wi-Fi5G U-NII-2A 802.11a Top Side Mode High 10mm

Date/Time: 2025/1/8

Electronics: DAE4 Sn1581

Medium parameters used: f = 5320 MHz; σ = 4.857 S/m; ε_r = 35.526; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.5°C

Communication System: 5G-U-NII-2A 5GHz; Frequency: 5320 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(5.75, 5.75, 5.75) @ 5320 MHz

Wi-Fi5G U-NII-2A 802.11a Top Side Mode High 10mm/Area Scan (5x7x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.415 W/kg

Wi-Fi5G U-NII-2A 802.11a Top Side Mode High 10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.037 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.717 W/kg

SAR(1 g) = 0.260 W/kg; SAR(10 g) = 0.098 W/kg

Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 40.3%

Maximum of SAR (measured) = 0.572 W/kg

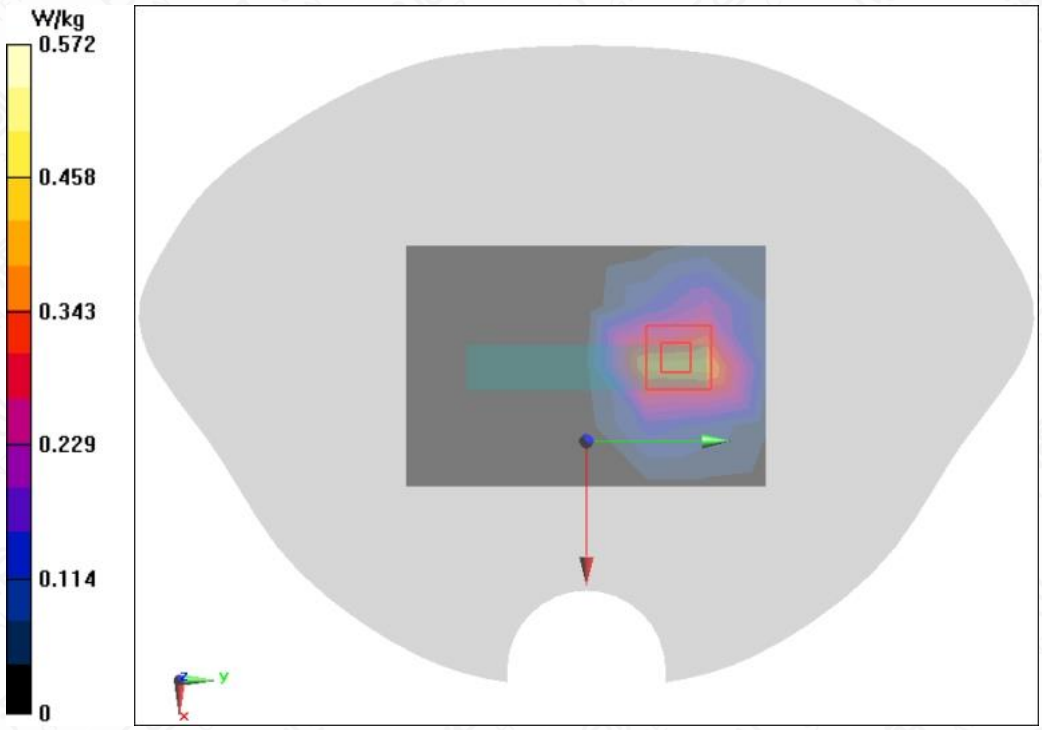


Figure A.1-65 Wi-Fi5G U-NII-2A 802.11a Top Side Mode High 10mm

Wi-Fi5G U-NII-2A 802.11a Right Side Mode Middle 0mm

Date/Time: 2025/1/8

Electronics: DAE4 Sn1581

Medium parameters used: f = 5280 MHz; σ = 4.811 S/m; ε_r = 35.599; ρ = 1000 kg/m^3

Ambient Temperature:21.5°C Liquid Temperature:20.5°C

Communication System: 5G-U-NII-2A 5GHz; Frequency: 5280 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(5.75, 5.75, 5.75) @ 5280 MHz

Wi-Fi5G U-NII-2A 802.11a Right Side Mode Middle 0mm/Area Scan (5x12x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.21 W/kg

Wi-Fi5G U-NII-2A 802.11a Right Side Mode Middle 0mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.381 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 6.51 W/kg

SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.376 W/kg

Smallest distance from peaks to all points 3 dB below = 6.5 mm

Ratio of SAR at M2 to SAR at M1 = 37.2%

Maximum of SAR (measured) = 2.96 W/kg

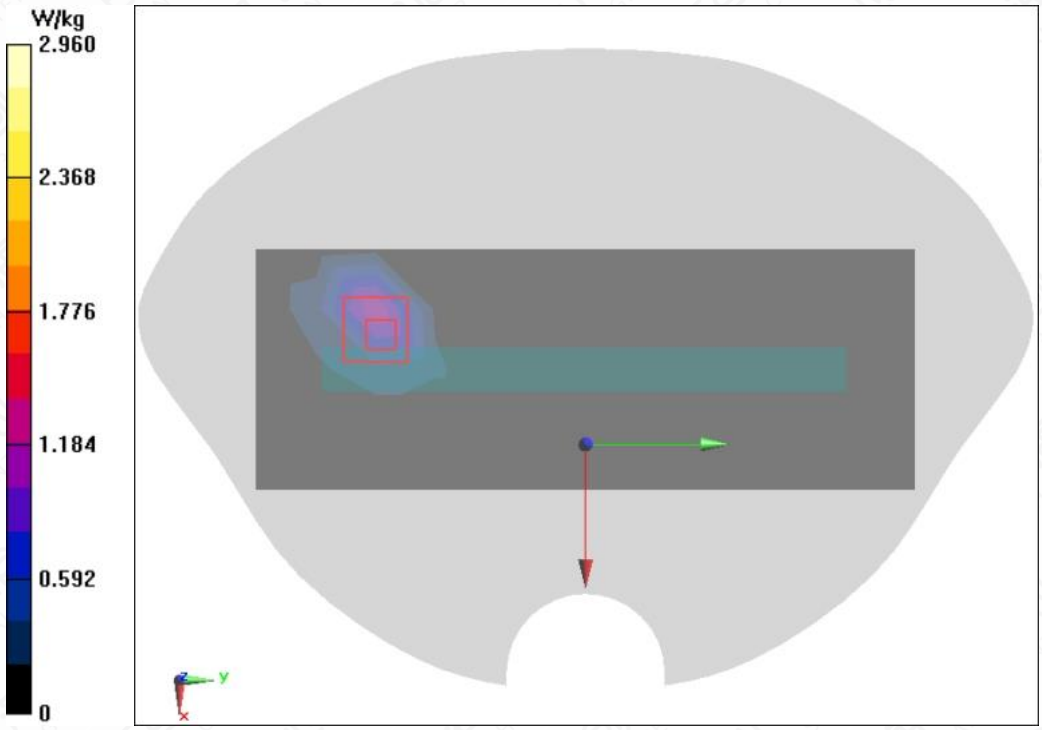


Figure A.1-66 Wi-Fi5G U-NII-2A 802.11a Right Side Mode Middle 0mm

Wi-Fi5G U-NII-2C 802.11a Right Tilt Mode Middle

Date/Time: 2025/1/13

Electronics: DAE4 Sn1581

Medium parameters used: f = 5580 MHz; σ = 5.156 S/m; ε_r = 35.025; ρ = 1000 kg/m^3

Ambient Temperature:21.6°C Liquid Temperature:20.7°C

Communication System: 5G-U-NII-2C 5GHz; Frequency: 5580 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN7634ConvF(5.1, 5.1, 5.1) @ 5580 MHz

Wi-Fi5G U-NII-2C 802.11a Right Tilt Mode Middle/Area Scan (12x6x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.893 W/kg

Wi-Fi5G U-NII-2C 802.11a Right Tilt Mode Middle/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.160 W/kg

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 36.5%

Maximum of SAR (measured) = 1.08 W/kg

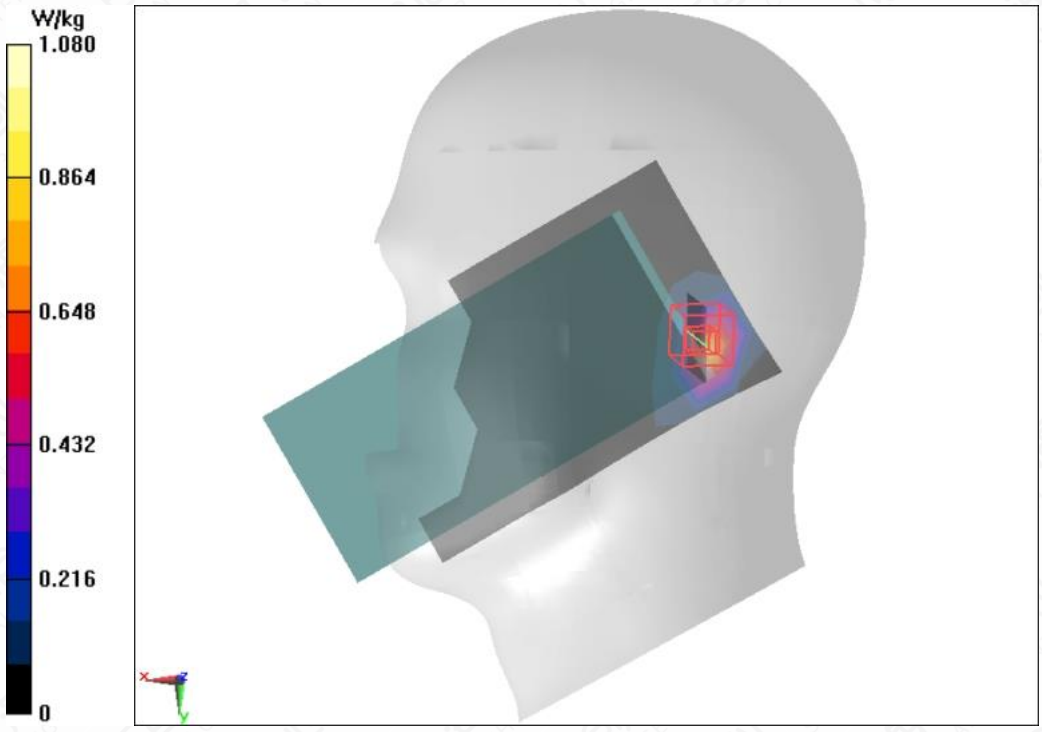


Figure A.1-67 Wi-Fi5G U-NII-2C 802.11a Right Tilt Mode Middle