FCC SAR REPORT

Applicant:	INFINIX MOBILITY LIMITED
Address of Applicant:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT

Equipment Under Test (EUT)

Product Name:	Mobile Phone
Model No.:	X671B
Trade mark	Infinix
FCC ID:	2AIZN-X671B
Applicable standards:	FCC 47 CFR Part 2.1093
Date of Test:	02 Mar., 2022 ~ 16 Mar., 2022
Test Result:	Maximum Reported 1-g SAR (W/kg) Head: 1.181 Body: 0.560 Hotspot: 0.783

Authorized Signature:

Bruce Zhang
Laboratory Manager

2 Version

Version No.	Date	Description
00	*01 Apr., 2022*	*Original*

Tested by: Vieta Zhang ***Date:*** *01 Apr., 2022*

Test Engineer

Reviewed by: Wiby Zhang ***Date:*** *01 Apr., 2022*

Project Engineer

3 Contents

4 SAR Results Summary

The maximum results of Specific Absorption Rate (SAR) found during test as bellows:
<Highest Reported standalone SAR Summary>

Exposure Position	Frequency Band	Reported 1-g SAR (W/kg)	Equipment Class	Highest Reported 1-g SAR (W/kg)
Head	GSM 850	1.154	PCE	1.181
	GSM 1900	0.499		
	WCDMA Band V	1.042		
	WCDMA Band IV	1.121		
	WCDMA Band II	1.181		
	LTE Band 2	1.005		
	LTE Band 5	1.138		
	LTE Band 7	0.735		
	LTE Band 41	0.621		
	LTE Band 66	1.142		
	NR n2	0.689		
	NR n5	0.757		
	NR n41	0.420		
	NR n66	0.984		
	NR n71	0.247		
	NR n77 (3450MHz~3550MHz)	0.691		
	NR n77 (3700MHz~3980MHz)	0.783		
	WLAN 2.4 GHz	0.325	DTS	
	WLAN 5.2 GHz	0.237	NII	
	WLAN 5.8 GHz	0.300		
Body (10 mm Gap)	GSM 850	0.560	PCE	0.560
	GSM 1900	0.256		
	WCDMA Band V	0.323		
	WCDMA Band IV	0.335		
	WCDMA Band II	0.331		
	LTE Band 2	0.189		
	LTE Band 5	0.327		
	LTE Band 7	0.257		
	LTE Band 41	0.248		
	LTE Band 66	0.318		
	NR n2	0.176		
	NR n5	0.208		
	NR n41	0.106		
	NR n66	0.194		
	NR n71	0.094		
	NR n77 (3450MHz~3550MHz)	0.089		
	NR n77 (3700MHz~3980MHz)	0.302		
	WLAN 2.4 GHz	0.149	DTS	
	WLAN 5.2 GHz	0.409	NII	
	WLAN 5.8 GHz	0.256		
Hotspot (10 mm Gap)	GSM 850	0.560	PCE	0.783
	GSM 1900	0.377		
	WCDMA Band V	0.323		
	WCDMA Band IV	0.381		
	WCDMA Band II	0.495		
	LTE Band 2	0.384		

	LTE Band 5	0.327		
	LTE Band 7	0.303		
	LTE Band 41	0.248		
	LTE Band 66	0.328		
	NR n2	0.225		
	NR n5	0.208		
	NR n41	0.121		
	NR n66	0.259		
	NR n71	0.094		
	NR n77 (3450MHz~3550MHz)	0.174		
	NR n77 (3700MHz~3980MHz)	0.347		
	WLAN 2.4 GHz	0.149	DTS	
	WLAN 5.2 GHz	0.783	NII	
	WLAN 5.8 GHz	0.676		

<Highest Reported simultaneous SAR Summary>

Exposure Position	Frequency Band	Reported 1-g SAR (W/kg)	Equipment Class	Highest Reported Simultaneous Transmission 1-g SAR (W/kg)
Left Cheek	EN-DC 41A_n77	1.134	PCE	1.459
	WLAN 2.4 GHz	0.325	DTS	

Note:

1. The highest simultaneous transmission is scalar summation of Reported standalone SAR per FCC KDB 690783 D01 v01r03, and scalar SAR summation of all possible simultaneous transmission scenarios are < 1.6W/kg.
2. This device is compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-2005, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013.
3. For FDD-LTE Band 4 is full covered by FDD-LTE Band 66, so only FDD-LTE Band 66 was tested.
4. For FDD-LTE Band 38 is full covered by FDD-LTE Band 41, so only FDD-LTE Band 41 was tested.
5. For NR n38 is full covered by NR n41, so only NR n41 was tested.
6. For NR n78 is full covered by NR n77, so only NR n77 was tested.
7. Refer to note 4 and note 6 DC_38A_n78 and DC_41A_n78 are equal to DC_41A_n77, DC_7A_n78 is equal to DC_7A_n77.

5 General Information

5.1 Client Information

Applicant:	INFINIX MOBILITY LIMITED
Address:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Manufacturer:	INFINIX MOBILITY LIMITED
Address:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Factory:	SHENZHEN TECNO TECHNOLOGY CO., LTD.
Address:	101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China

5.2 General Description of EUT

Product Name:	Mobile Phone			
Model No.:	X671B			
Category of device	Portable device			
Operation Frequency:	2G :	GSM 850: 824.2~848.8 MHz	PCS 1900: 1850.2~1909.8 MHz	
	3G :	Band II: 1852.4~1907.6 MHz	Band V: 826.4~846.6 MHz	
		Band IV: 1712.4~1752.6 MHz		
	4G :	Band 2 :1850MHz~1910MHz	Band 4 :1710MHz~1755MHz	
		Band 5 :824MHz~849MHz	Band 7: 2500MHz~2570MHz	
		Band 38: 2570MHz~2620MHz	Band 41: 2555MHz~2655MHz	
		Band 66 :1710MHz~1780MHz		
	5G NR	n2: 1850MHz~1910MHz	n5: 824MHz~849 MHz	
		n38: 2570MHz~2620MHz	n41: 2535MHz~2655MHz	
		n66: 1710MHz~1780MHz	n71: 663MHz~698MHz	
		n77: 3450MHz~3550MHz	n77: 3700MHz~3980MHz	
		n78: 3450MHz~3550MHz	n78: 3700MHz~3800MHz	
	Wi-Fi:	2412MHz~2462MHz	5150MHz-5250MHz	
		5725MHz-5825MHz		
	Bluetooth: 2402 MHz ~ 2480 MHz			
Modulation technology:	2G:	☒Voice(GMSK)	☒GPRS(GMSK)	☒EGPRS(GMSK, 8PSK)
	3G:	☒RMC(QPSK)	☒HSUPA(QPSK)	☒HSDPA(QPSK,16QAM)
	4G:	☒QPSK	☒16QAM	☒64QAM
	5G NR:	☒CP-OFDM(QPSK,16QAM,64QAM,256QAM)		
		☒DFT-s-OFDM(π /2 -BPSK,QPSK,16QAM,64QAM,256QAM)		
	Wi-Fi:	☒802.11b(DSSS)	☒802.11a/g/n (OFDM)	
	Bluetooth:	☒BDR(GFSK)	☒EDR(π /4-DQPSK, 8DPSK)	☒LE(GFSK)
	SA: NR n2, n5,n38,n41,n66,n71,n77,n78			
	NSA(EN-DC): DC_7A_n78, DC_38A_n78, DC_41A_n78, DC_41A_n77			
Antenna Type:	Internal Antenna			
Antenna Gain:	GSM 850: -2.8 dBi; PCS 1900:-0.6 dBi WCDMA Band V: -2.8 dBi ;WCDMA Band II: -0.6 dBi;			

	WCDMA Band IV: -2.0 dBi LTE Band 2: -0.6 dBi; LTE Band 4: -2.0 dBi LTE Band 5: -2.8 dBi; LTE Band 7: 1.2 dBi LTE Band 38: 1.2 dBi;LTE Band 41: 1.2 dBi; LTE Band 66: -2.0 dBi n2:-0.6 dBi; n5: -2.8 dBi n38: 1.2 dBi; n41:-0.1 dBi n66:-2.0 dBi ; n71: -4.6 dBi n77:-1.2 dBi ; n78:0.3 dBi Bluetooth: 0.24 dBi; 2.4G Wi-Fi: 0.24 dBi; 5G Wi-Fi: 0.27 dBi	
(E)GPRS Class:	(E)GPRS Class: 12	
Dimensions (L*W*H):	164 mm (L)× 77 mm (W)× 8 mm (H)	
Accessories information:	Adapter: Model: U330XSA Input: AC100-240V, 50/60Hz, 1.5A Output: DC 5.0V/3A, 10V/3.3A	Battery: Rechargeable Li-ion Battery 3.87V/4900mAh Headset: Support headset

Maximum RF Output Power

Mode	Average Power (dBm)	
	GSM 850	GSM 1900
GSM (Voice)	33.59	30.30
GPRS (1 TX Slot)	33.52	30.31
GPRS (2 TX Slots)	32.60	29.34
GPRS (3 TX Slots)	30.58	27.22
GPRS (4 TX Slots)	29.54	26.09
EGPRS (1 TX Slot)	27.87	25.14
EGPRS (2 TX Slots)	26.72	24.23
EGPRS (3 TX Slots)	24.65	22.27
EGPRS (4 TX Slots)	23.61	21.21

Mode	Average Power (dBm)		
	WCDMA Band V	WCDMA Band IV	WCDMA Band II
AMR 12.2 kbps	23.57	23.40	23.36
RMC 12.2 kbps	23.53	23.59	23.37
HSDPA Sub-test 1	22.52	22.59	22.36
HSDPA Sub-test 2	22.02	22.08	21.82
HSDPA Sub-test 3	22.06	22.12	21.88
HSDPA Sub-test 4	22.01	22.09	21.88
HSUPA Sub-test 1	20.50	20.56	20.28
HSUPA Sub-test 2	21.00	21.07	20.79
HSUPA Sub-test 3	21.50	21.60	21.31
HSUPA Sub-test 4	20.54	20.55	20.33
HSUPA Sub-test 5	22.55	22.61	22.31

Mode	Average Power (dBm)				
	LTE Band 2	LTE Band 5	LTE Band 7	LTE Band 41	LTE Band 66
BW/1.4 MHz	23.51	23.80	/	/	22.77
BW/3.0 MHz	23.51	23.70	/	/	22.73
BW/5.0 MHz	23.69	23.89	23.63	22.96	23.01
BW/10 MHz	23.64	23.75	23.56	22.94	22.95
BW/15 MHz	23.58	/	23.53	22.89	22.99
BW/20 MHz	23.72	/	23.55	22.88	22.89

Mode	Average Power (dBm)						
	NR Band n2	NR Band n5	NR Band n41	NR Band n66	NR Band n71	NR Band n77 3450-3550	NR Band n77 3700-3980
BW/10MHz	23.64	22.66	25.31	22.06	22.97	25.09	25.64
BW/15MHz	23.58	22.67	25.23	22.06	22.81	25.20	25.62
BW/20 MHz	23.53	22.61	25.23	22.01	22.86	25.18	25.63
BW/30MHz	/	/	25.31	22.03	/	25.24	25.63
BW/40MHz	/	/	25.27	/	/	25.22	25.60
BW/50MHz	/	/	25.39	/	/	25.12	25.66
BW/60MHz	/	/	25.32	/	/	24.99	25.67
BW/80MHz	/	/	25.36	/	/	24.97	25.72
BW/90MHz	/	/	25.30	/	/	24.90	25.67
BW/100MHz	/	/	25.30	/	/	24.73	25.65

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WLAN 2.4 GHz Band Average Power (dBm)				
Mode/Band	b	g	n (HT-20)	n (HT-40)
WLAN 2.4GHz	16.64	14.95	14.17	14.52

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WLAN 2.4 GHz Band Average Power (dBm)				
Mode/Band	b	g	n (HT-20)	n (HT-40)
WLAN 2.4GHz	16.00	13.98	13.02	13.23

WLAN 5.2 GHz Band Average Power (dBm)						
Mode/Band	a	ac 20	ac 40	ac 80	n 20	n 40
WLAN 5.2GHz	16.43	16.39	16.49	16.22	16.40	16.44

WLAN 5.8 GHz Band Average Power (dBm)						
Mode/Band	a	ac 20	ac 40	ac 80	n 20	n 40
WLAN 5.8GHz	17.15	17.07	16.42	16.31	17.06	16.44

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Bluetooth Average Power (dBm)							
Mode/Band	1 Mbps (GFSK)	2 Mbps (π/4DQPSK)	3 Mbps (8DPSK)	BLE PHY 1M	BLE PHY 2M	BLE Coded PHY S=2	BLE Coded PHY S=8
Bluetooth	7.98	7.41	7.58	-3.05	-3.12	-3.07	-3.14

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Bluetooth Average Power (dBm)							
Mode/Band	1 Mbps (GFSK)	2 Mbps (π/4DQPSK)	3 Mbps (8DPSK)	BLE PHY 1M	BLE PHY 2M	BLE Coded PHY S=2	BLE Coded PHY S=8
Bluetooth	5.49	4.87	4.75	-5.13	-5.14	-5.14	-5.20

5.3 Environment of Test Site

Temperature:	18°C ~25 °C
Humidity:	35%~75% RH
Atmospheric Pressure:	1010 mbar

5.4 Test Sample Plan

Sample Number	Used for Test Items
1#	SAR
***Remark**: JianYan Testing Group Shenzhen Co., Ltd. is only responsible for the test project data of the above samples, and will keep the above samples for a month.*	

5.5 Test Location

JianYan Testing Group Shenzhen Co., Ltd.
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community,Xinqiao Street, Bao'an District, Shenzhen, Guangdong,People's Republic of China.
Tel: +86-755-23118282, Fax: +86-755-23116366
Email: info-JYTee@lets.com, Website: http://jyt.lets.com

6 Introduction

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:

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

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 heat capacity, δT is the temperature rise and δt is the exposure duration, or related to the electrical field in the tissue by

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

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength. However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

7 RF Exposure Limits

7.1 Uncontrolled Environment

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

7.2 Controlled Environment

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

7.3 RF Exposure Limits

SAR Human Exposure Specified in ANSI/IEEE C95.1-1992 and Health Canada Safety Code 6

HUMAN EXPOSURE LIMITS		
	UNCONTROLLED ENVIRONMENT *General Population* (W/kg) or (mW/g)	CONTROLLED ENVIRONMENT *Occupational* (W/kg) or (mW/g)
SPATIAL PEAK SAR Brain	1.6	8.0
SPATIAL AVERAGE SAR Whole Body	0.08	0.4
SPATIAL PEAK SAR Hands, Feet, Ankles, Wrists	4.0	20

Note:

1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
2. The Spatial Average value of the SAR averaged over the whole body.
3. The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

8 SAR Measurement System

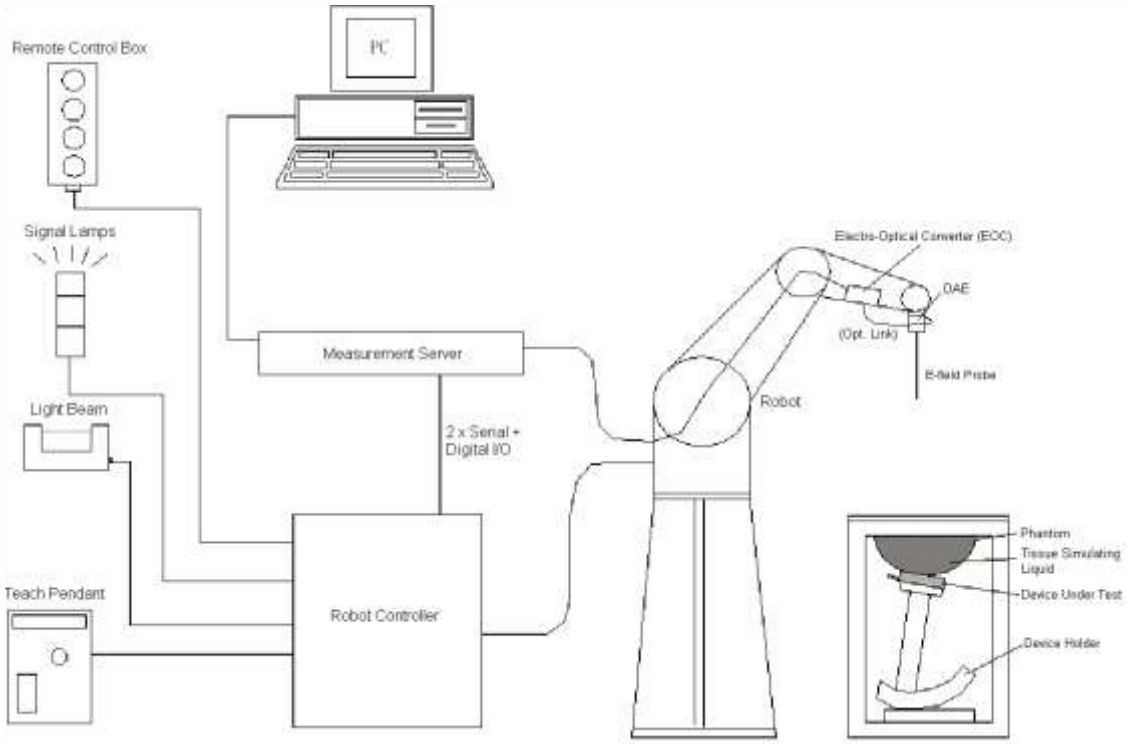

Fig. 8.1 SPEAG DASY System Configurations

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

- A standard high precision 6-axis robot with controller, a teach pendant and software
- A data acquisition electronic (DAE) attached to the robot arm extension
- A dosimetric probe equipped with an optical surface detector system
- The electro-optical converter (EOC) performs the conversion between optical and electrical signals
- A measurement server performs the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- A probe alignment unit which improves the accuracy of the probe positioning
- A computer operating Windows XP
- DASY software
- Remove control with teach pendant and additional circuitry for robot safety such as warming lamps, etc.
- The SAM twin phantom
- A device holder
- Tissue simulating liquid
- Dipole for evaluating the proper functioning of the system

Component details are described in the following sub-sections.

8.1 E-Field Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG). The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

- **E-Field Probe Specification**
  <EX3DV4 Probe>

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Frequency Directivity	10 MHz to 6 GHz; Linearity: ± 0.2 dB ± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic Range	10 µW/g to 100 mW/g; Linearity: ± 0.2 dB (noise: typically < 1 µW/g)
Dimensions	Overall length: 330 mm (Tip: 20mm) Tip diameter: 2.5 mm (Body: 12mm) Typical distance from probe tip to dipole centers: 1 mm

Fig. 8.2 Photo of E-Field Probe

- **E-Field Probe Calibration**
  Each probe needs to be calibrated according to a dosimetric assessment procedure with accuracy better than ± 10%. The spherical isotropy shall be evaluated and within ± 0.25 dB. The sensitivity parameters (Norm X, Norm Y and Norm Z), the diode compression parameter (DCP) and the conversion factor (ConvF) of the probe are tested. The calibration data can be referred to appendix E of this report.

8.2 Data Acquisition Electronics (DAE)

The Data acquisition electronics (DAE) consists 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 and 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 input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

Fig. 8.3 Photo of DAE

8.3 Robot

The SPEAG DASY system uses the high precision robots (DASY5: TX60L) type from Stäubli SA (France). For the 6-axis controller system, the robot controller version (DASY5: CS8c) from Stäubli is used. The Stäubli robot series have many features that are important for our application:

- High precision (repeatability 0.02 mm)
- High reliability (industrial design)
- Low maintenance costs (virtually maintenance free due to direct drive gears; nobelt drives)
- Jerk-free straight movements
- Low ELF interference (motor control fields shielded via the closed metallic construction shields)

Fig. 8.4 Photo of Robot

8.4 Measurement Server

The measurement server is based on a PC/104 CPU board with CPU (DASY 5: 400MHz, Intel Celeron), chip-disk (DASY5: 128 MB), RAM (DASY5: 128 MB). The necessary circuits for communication with the DAE electronic box, as well as the 16 bit AD converter system for optical detection and digital I/O interface are contained on the DASY I/O board, which is directly connected to the PC/104 bus of the CPU board.
The measurement server performs all the real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operations.

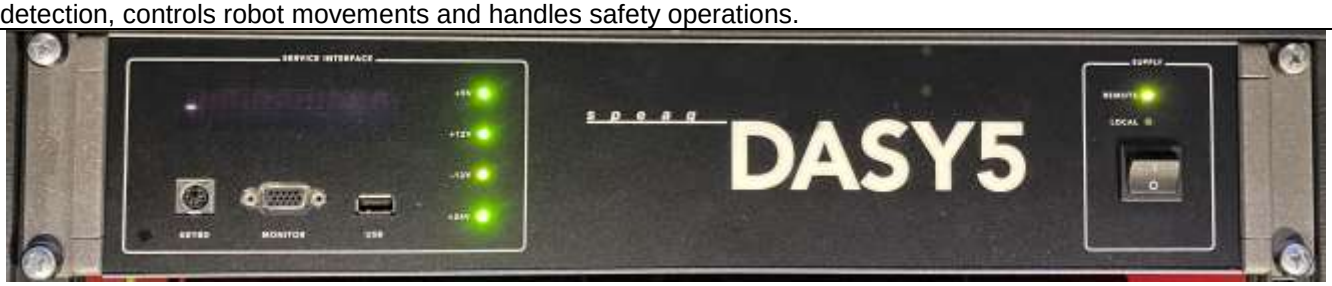

Fig. 8.5 Photo of Server for DASY5

8.5 Light Beam Unit

The light beam switch allows automatic "tooling" of the probe. During the process, the actual position of the probe tip with respect to the robot arm is measured, as well as the probe length and the horizontal probe offset. The software then corrects all movements, such that the robot coordinates are valid for the probe tip.
The repeatability of this process is better than0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.

Fig. 8.6 Photo of Light Beam

8.6 Phantom

<SAM Twin Phantom>

Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm
Filling Volume **Dimensions**	Approx. 25 liters Length: 1000mm; Width: 500mm; Height: adjustable feet
Measurement Areas	Left Head, Right Head, Flat phantom

Fig. 8.7 Photo of SAM Twin Phantom

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

<ELI4 Phantom >

The ELI4 phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30MHz to 6 GHz. ELI4 is fully compatible with the latest draft of the standard IEC 62209-2 and all known tissue simulating liquids.
ELI4 has been optimized regarding its performance and can be integrated into a SPEAG standard phantom table. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points
The phantom can be used with the following tissue simulating liquids:

- Water-sugar based liquids can be left permanently in the phantom. Always cover the liquid if the system is not in use; otherwise the parameters will change due to water evaporation.
- DGBE based liquids should be used with care. As DGBE is a softener for most plastics, the liquid should be taken out of the phantom and the phantom should be dried when the system is not in use (desirable at least once a week).
- Do not use other organic solvents without previously testing the phantom resistiveness

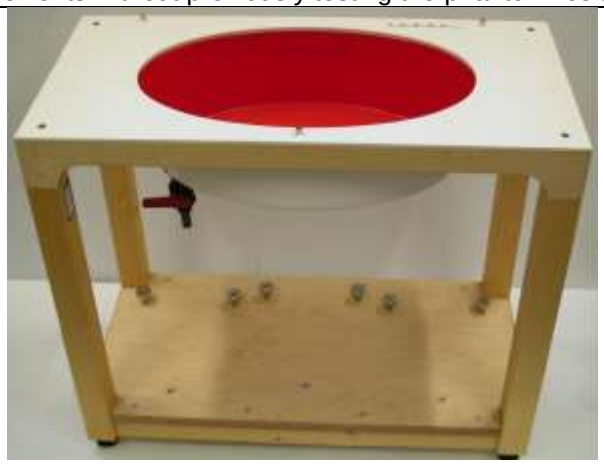

Fig.8.8 Photo of ELI4 Phantom

8.7 Device Holder

<Device Holder for SAM Twin 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 5 mm distance, a positioning uncertainty of ± 0.5 mm 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 different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation center for both scales is the ear reference point (ERP).
Thus the device needs no repositioning when changing the angles.
The DASY device holder is constructed of low-low 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.

Fig. 8.9 Photo of Device Holder

8.8 Data storage and Evaluation

- **Data Storage**

The DASY software stores the assessed data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all the necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files. The post-processing software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verifications of the complete software setup even after the measurement and allows correction of erroneous parameter settings. For example, if a measurement has been performed with an incorrect crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be reevaluated.

The measured data can be visualized or exported in different units or formats, depending on the selected probe type (e.g., [V/m], [mW/g]). Some of these units are not available in certain situations or give meaningless results, e.g., a SAR-output in a non-lose media, will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

- **Data Evaluation**

The DASY post-processing software (SEMCAD) automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe Parameters:	- Sensitivity	$Norm_i$, a_{i0}, a_{i1}, a_{i2}
	- Conversion	$ConvF_i$
	- Diode compression point	dcp_i
Device Parameters:	- Frequency	f
	- Crest	cf
Media Parameters:	- Conductivity	σ
	- Density	ρ

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multi-meter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics. If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power.

The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot \frac{cf}{dcp_i}$$

With V_i = compensated signal of channel i, (i = x, y, z)
U_i = input signal of channel i, (i = x, y, z)
cf = crest factor of exciting field (DASY parameter)
dcp^i = diode compression point (DASY parameter)

From the compensated input signals, the primary field data for each channel can be evaluated:

E- Field Probes: $E_i = \sqrt{\frac{V_i}{Norm_i \cdot ConvF}}$

H-Field Probes: $H_i = \sqrt{V_i} \cdot \frac{a_{i0} + a_{i1} f + a_{i2} f^2}{f}$

With V_i = compensated signal of channel i, (i = x, y, z)
$Norm_i$ = senor sensitivity of channel i, (i = x, y, z), μV/ $(V/m)^2$
ConvF = sensitivity enhancement in solution
a_{ij} = sensor sensitivity factors for H-field probes
f = carrier frequency (GHz)
E_i = electric field strength of channel i in V/m
Hi = magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = \sqrt{E_x^2 + E_y^2 + E_z^2}$$

The primary field data are used to calculate the derived field units.

$$SAR = E_{tot}^2 \cdot \frac{\sigma}{\rho \cdot 1000}$$

With SAR = local specific absorption rate in mW/g
E_{tot} = total field strength in V/m
σ = conductivity in (mho/m) or (Siemens/m)
ρ = equipment tissue density in g/cm^3

Note that the density is set to 1, to account for actual head tissue density rather than the density of the tissue simulating liquid.

8.9 Test Equipment List

Manufacturer	Equipment Description	Model	SN.	Cal. Information	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit	D750V3	1118	05.28.2020	05.27.2023
SPEAG	835MHz System Validation Kit	D835V2	4d154	06.11.2019	06.10.2022
SPEAG	1750MHz System Validation Kit	D1750V2	1177	02.10.2021	02.09.2024
SPEAG	1900MHz System Validation Kit	D1900V2	5d175	06.11.2019	06.10.2022
SPEAG	2450MHz System Validation Kit	D2450V2	910	06.10.2019	06.09.2022
SPEAG	2600MHz System Validation Kit	D2600V2	1114	10.28.2021	10.27.2024
SPEAG	3500MHz System Validation Kit	D3500V2	1118	02.04.2021	02.03.2024
SPEAG	3700MHz System Validation Kit	D3700V2	1089	02.04.2021	02.03.2024
SPEAG	3900MHz System Validation Kit	D3900V2	1064	02.04.2021	02.03.2024
SPEAG	5GHz System Validation Kit	D5GHzV2	1320	02.05.2021	02.04.2024
SPEAG	Data Acquisition Electronics	DAE4	1452	05.26.2021	05.25.2022
SPEAG	Dosimetric E-Field Probe	EX3DV4	7601	12.28.2021	12.27.2022
SPEAG	Dosimetric E-Field Probe	EX3DV4	3826	07.28.2021	07.27.2022
SPEAG	DASY 52 Measurement Software	DASY 52	Version 52.10.4.1527	N.C.R	N.C.R
SPEAG	DASY 52 File Conversion Software	SEMCAD X	Version 14.6.14 (7483)	N.C.R	N.C.R
SPEAG	Phantom	Twin Phantom	1765	N.C.R	N.C.R
SPEAG	Phantom	ELI V5.0	1208	N.C.R	N.C.R
SPEAG	Phone Positioner	N/A	N/A	N.C.R	N.C.R
Stäubli	Robot	TX60L	F13/5P6VB1/A/01	N.C.R	N.C.R
Anritsu	Universal Radio Communication Analyzer	MT8820C	6201468866	03.03.2021	03.02.2023
R&S	Universal Radio Communication Tester	CMU200	109231	06.18.2020	06.17.2022
KEYSIGHT	5G Radio Communication Tester	E7515B	MY60192444	27.10.2021	26.10.2022
HP	Network Analyzer	8753D	3410A06291	06.18.2020	06.17.2022
KEYSIGHT	EPM Series Power Meter	N1914A	MY60400002	08.29.2021	08.28.2022
KEYSIGHT	E-Series Power Sensor	E9300H	MY60340002	08.29.2021	08.28.2022
KEYSIGHT	E-Series Power Sensor	E9300H	MY60340003	08.29.2021	08.28.2022
KEYSIGHT	Signal Generator	N5173B	MY59100857	03.25.2021	03.24.2022
Huber Suhner	RF Cable	SUCOFLEX	12341	See Note 3	
Huber Suhner	RF Cable	SUCOFLEX	17268	See Note 3	
Huber Suhner	RF Cable	SUCOFLEX	2080	See Note 3	
Weinschel	Attenuator	23-3-34	BL5513	See Note 3	
Anritsu	Directional Coupler	MP654A	100217491	See Note 3	
SPEAG	Dielectric Assessment Kit	3.5 Probe	1119	See Note 4	
SPEAG	DAK Measurement Software	DAK	Version: DAK 3.5	N.C.R	
TXC	Broadband Amplifier	BBA018000	LNA-00500200-2515	See Note 5	

Note:

1. The calibration certificate of DASY can be referred to appendix C of this report.
2. Referring to KDB 865664 D01v01r04, the dipole calibration interval can be extended to 3 years with justification. The dipoles are also not physically damaged, or repaired during the interval.
3. The Insertion Loss calibration of Dual Directional Coupler and Attenuator were characterized via the network analyzer and compensated during system check.
4. The dielectric probe kit was calibrated via the network analyzer, with the specified procedure (calibrated in pure water) and calibration kit (standard) short circuit, before the dielectric measurement. The specific procedure and calibration kit are provided by Speag.
5. In system check we need to monitor the level on the spectrum analyzer, and adjust the power amplifier level to have

precise power level to the dipole; the measured SAR will be normalized to 1 W input power according to the ratio of 1 W to the input power to the dipole. For system check, the calibration of the power amplifier is deemed not critically required for correct measurement; the spectrum analyzer is critical and we do have calibration for it

6. Attenuator insertion loss is calibrated by the network Analyzer, which the calibration is valid, before system check.
7. N.C.R means No Calibration Requirement.

9 Tissue Simulating Liquids

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with around 25 liters of homogeneous body tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 9.1, for body SAR testing, the liquid height from the center of the flat phantom to liquid top surface is larger than 15 cm, which is shown in Fig. 9.2.

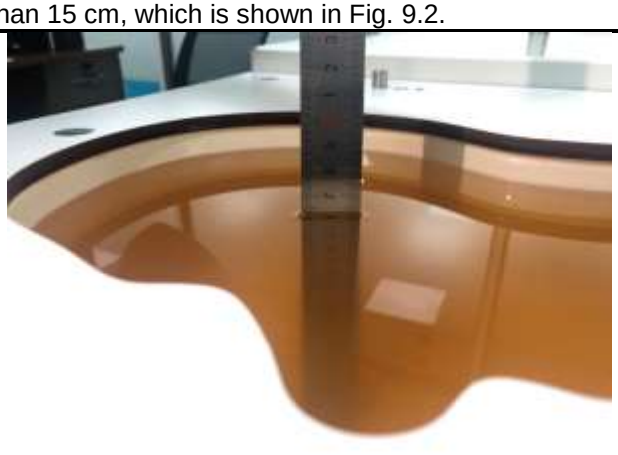

Fig. 9.1 Photo of Liquid Height for Head SAR

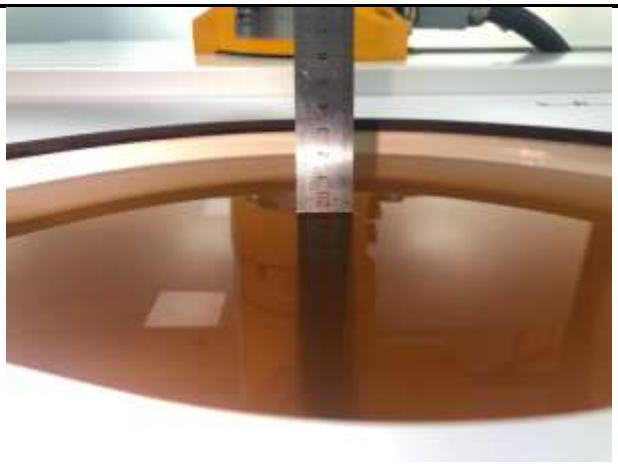

Fig. 9.2 Photo of Liquid Height for Body SAR

The relative permittivity and conductivity of the tissue material should be within ±5% of the values given in the table below recommended by the FCC OET 65 supplement C and RSS 102 Issue 5.

Target Frequency (MHz)	εr	σ(S/m)
150	52.3	0.76
300	45.3	0.87
450	43.5	0.87
835	41.5	0.90
900	41.5	0.97
915	41.5	0.98
1450	40.5	1.20
1610	40.3	1.29
1800-2000	40.0	1.40
2450	39.2	1.80
3000	38.5	2.40
5800	35.3	5.27

(εr = relative permittivity, σ = conductivity and ρ = 1000 kg/m^3)

The dielectric parameters of liquids were verified prior to the SAR evaluation using a Speag Dielectric Probe Kit and an Agilent Network Analyzer.
The following table shows the measuring results for simulating liquid.

Frequency (MHz)	Liquid Temp. (℃)	Conductivity (σ)	Permittivity (εr)	Conductivity Target(σ)	Permittivity Target(εr)	Delta (σ)%	Delta (εr)%	Limit (%)	Date (mm/dd/yy)
750	22.4	0.90	41.83	0.89	41.90	1.12	-0.17	±5	03.02.2022
835	22.3	0.93	41.38	0.90	41.50	3.33	-0.29	±5	03.03.2022
1750	22.6	1.31	39.68	1.37	40.10	-4.38	-1.05	±5	03.05.2022
1900	21.4	1.39	39.45	1.40	40.00	-0.71	-1.37	±5	03.06.2022
2450	22.7	1.73	38.74	1.80	39.20	-3.89	-1.17	±5	03.10.2022
2600	21.9	1.88	38.46	1.96	39.00	-4.08	-1.38	±5	03.13.2022
3500	22.1	2.93	36.91	2.91	37.90	0.69	-2.61	±5	03.14.2022
3700	22.1	3.03	36.69	3.12	37.70	-2.88	-2.68	±5	03.14.2022
3900	22.1	3.30	36.30	3.32	37.50	-0.60	-3.20	±5	03.14.2022
5200	23.2	4.85	34.50	4.67	35.74	3.85	-3.47	±5	03.16.2022
5800	23.2	5.50	33.80	5.27	35.30	4.36	-4.25	±5	03.16.2022

10 SAR System Verification

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.

- **Purpose of System Performance check**

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

- **System Setup**

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

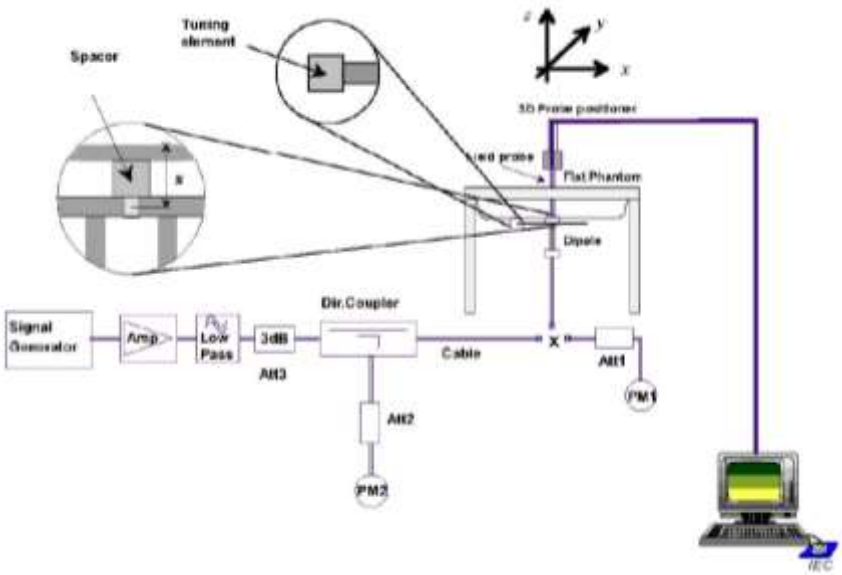

Fig.10.1 System Verification Setup Diagram

Fig.10.2 Photo of Dipole setup

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➢ **System Verification Results**

Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 10%. The table as below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix C of this report.

Date (mm/dd/yy)	Frequency (MHz)	Power fed onto dipole (mW)	Measured 1g SAR (W/kg)	Normalized to 1W 1g SAR (W/kg)	1W Target 1g SAR (W/kg)	Deviation (%)
03.02.2022	750	80	0.688	8.60	8.37	2.75
03.03.2022	835	80	0.805	10.06	9.49	6.01
03.05.2022	1750	40	1.450	36.25	36.4	-0.41
03.06.2022	1900	40	1.660	41.50	39.4	5.33
03.10.2022	2450	40	2.200	55.00	52.6	4.56
03.13.2022	2600	40	2.350	58.75	56.3	4.35
03.14.2022	3500	40	2.550	63.75	65.6	-2.82
03.14.2022	3700	40	2.620	65.50	66.1	-0.91
03.14.2022	3900	40	2.840	71.00	69.9	1.57
03.16.2022	5200	40	3.180	79.50	79.10	0.51
03.16.2022	5800	40	3.090	77.25	80.90	-4.51

11 EUT Testing Position

This EUT was tested in ten different positions. They are right cheek/right tilted/left cheek/left tilted for head, Front/Back/Right Side/Top Side/Bottom Side of the EUT with phantom 10 mm gap, as illustrated below, please refer to Appendix B for the test setup photos.

11.1 Handset Reference Points

- The vertical centreline passes through two points on the front side of the handset – the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.
- The horizontal line is perpendicular to the vertical centreline and passes the center of the acoustic output. The horizontal line is also tangential to the handset at point A.
- The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centreline is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.

Fig.11.1 Illustration for Front, Back and Side of SAM Phantom

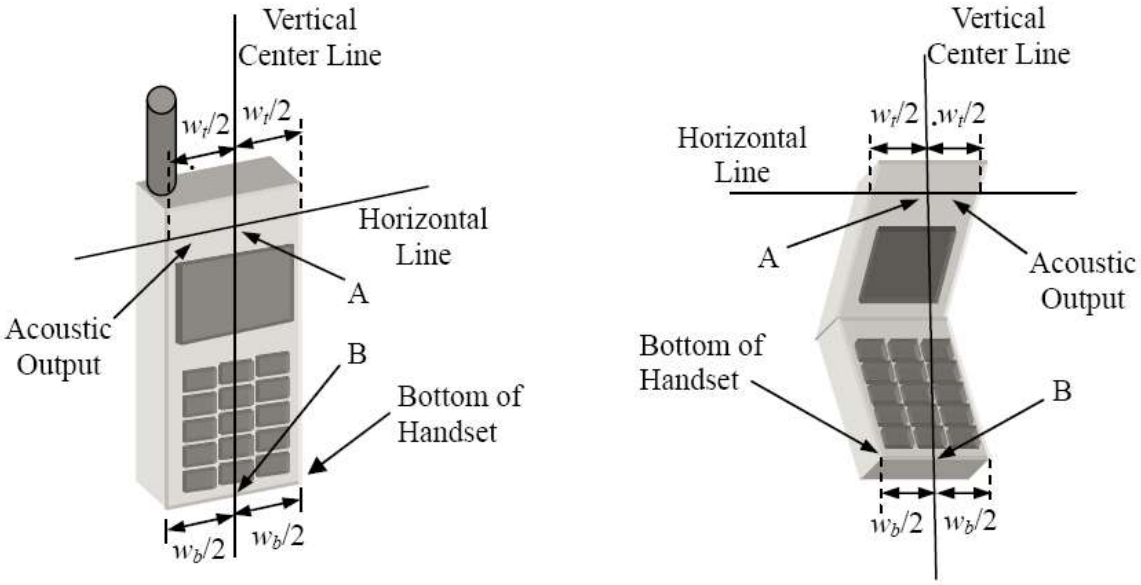

Fig. 11.2 Illustration for Handset Vertical and Horizontal Reference Lines

11.2 Positioning for Cheek / Touch

- To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
- To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost (see below figure)

Fig. 11.3 Illustration for Cheek Position

11.3 Positioning for Ear / 15º Tilt

- To position the device in the “cheek” position described above.
- While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost (see figure below).

Fig.11.4 Illustration for Tilted Position

11.4 SAR Evaluations near the Mouth/Jaw Regions of the SAM Phantom

Antennas located near the bottom of a phone may require SAR measurements around the mouth and jaw regions of the SAM head phantom. This typically applies to clam-shell style phones that are generally longer in the unfolded normal use positions or to certain older style long rectangular phones.

Under these circumstances, the following procedures apply, adopted from the FCC guidance on SAR handsets document FCC KDB Publication 648474 D04v01r03. The SAR required in these regions of SAM should be measured using a flat phantom. The phone should be positioned with a separation distance of 4 mm between the ear reference point (ERP) and the outer surface of the flat phantom shell. While maintaining this distance at the ERP location, the low (bottom) edge of the phone should be lowered from the phantom to establish the same separation distance between the peak SAR locations identified by the truncated partial SAR distribution measured with the SAM phantom. The distance from the peak SAR location to the phone is determined by the straight line passing perpendicularly through the phantom surface. When it is not feasible to maintain 4 mm separation at the ERP while also establishing the required separation at the peak SAR location, the top edge of the phone will be allowed to touch the phantom with a separation < 4 mm at the ERP. The phone should not be tilted to the left or right while placed in this inclined position to the flat phantom.

11.5 Body Worn Accessory Configurations

- To position the device parallel to the phantom surface with either keypad up or down.
- To adjust the device parallel to the flat phantom.
- To adjust the distance between the device surface and the flat phantom to 10 mm or holster surface and the flat phantom to 0 mm.

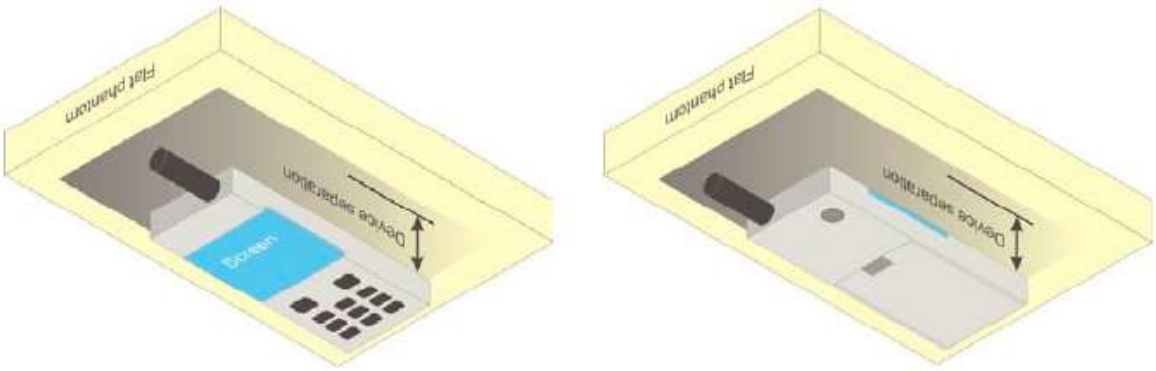

Fig.11.5 Illustration for Body Worn Position

11.6 Wireless Router (Hotspot) Configurations

Some battery-operated handsets have the capability to transmit and receive internet connectivity through simultaneous transmission of WIFI in conjunction with a separate licensed transmitter. The FCC has provided guidance in KDB Publication 941225 D06 where SAR test considerations for handsets (L x W ≥
9 cm x 5 cm) are based on a composite test separation distance of 10 mm from the front, back and edges of the device with antennas 2.5 cm or closer to the edge of the device, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. Therefore, SAR must be evaluated for each frequency transmission and mode separately and summed with the WIFI transmitter according to KDB 648474 publication procedures. The “Portable Hotspot” feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.

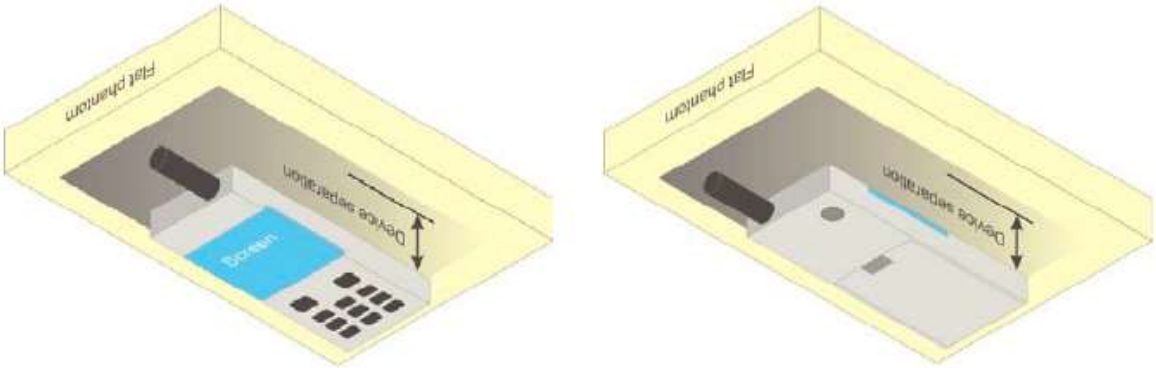

Fig.11.6 Illustration for Hotspot Position

12 Measurement Procedures

The measurement procedures are as bellows:

<Conducted power measurement>
- For WWAN power measurement, use base station simulator to configure EUT WWAN transition in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
- Read the WWAN RF power level from the base station simulator.
- For WLAN/BT power measurement, use engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power in each supported wireless interface and frequency band.
- Connect EUT RF port through RF cable to the power meter or spectrum analyzer, and measure WLAN/BT output power.

<Conducted power measurement>
- Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power, in the highest power channel.
- Place the EUT in positions as Appendix B demonstrates.
- Set scan area, grid size and other setting on the DASY software.
- Measure SAR results for the highest power channel on each testing position.
- Find out the largest SAR result on these testing positions of each band.
- Measure SAR results for other channels in worst SAR testing position if the Reported SAR or highest power channel is larger than 0.8 W/kg.

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

- Power reference measurement
- Area scan
- Zoom scan
- Power drift measurement

12.1 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a “cube” measurement. The measured volume must include the 1g and 10 g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:
- Extraction of the measured data (grid and values) from the Zoom Scan.
- Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters).
- Generation of a high-resolution mesh within the measured volume.
- Interpolation of all measured values form the measurement grid to the high-resolution grid
- Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- Calculation of the averaged SAR within masses of 1g and 10g.

12.2 Power Reference Measurement

The Power Reference Measurement and Power Drift Measurement are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

12.3 Area & Zoom Scan Procedures

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

			≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5 ± 1 mm	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.

* When zoom scan is required and the ***reported*** SAR from the *area scan based 1-g SAR estimation* procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

12.4 Volume Scan Procedures

The volume scan is used for assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD post-processor scan combine and subsequently superpose these measurement data to calculating the multiband SAR.

12.5 SAR Averaged Methods

In DASY, the interpolation and extrapolation are both based on the modified Quadratic Shepard's method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation.

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. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1g and 10g cubes, the extrapolation distance should not be larger than 5 mm.

12.6 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASY measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drifts more than 5%, the SAR will be retested.

13 Conducted RF Output Power

13.1 GSM Conducted Power

Band: GSM 850	Burst Average Power (dBm)			Frame-Average Power(dBm)		
Channel	128	190	251	128	190	251
Frequency (MHz)	824.2	836.6	848.8	824.2	836.6	848.8
GSM (GMSK, Voice)	33.30	**33.59**	33.20	24.27	24.56	24.17
GPRS (GMSK, 1 TX slot)	33.28	33.52	33.18	24.25	24.49	24.15
GPRS (GMSK, 2 TX slots)	32.31	**32.60**	32.27	26.29	**26.58**	26.25
GPRS (GMSK, 3 TX slots)	30.30	30.58	30.27	26.04	26.32	26.01
GPRS (GMSK, 4 TX slots)	29.22	29.54	29.24	26.21	26.53	26.23
EGPRS (8PSK, 1 TX slot)	27.87	27.65	27.68	18.84	18.62	18.65
EGPRS (8PSK, 2 TX slots)	26.72	26.58	26.67	20.70	20.56	20.65
EGPRS (8PSK, 3 TX slots)	24.65	24.50	24.50	20.39	20.24	20.24
EGPRS (8PSK, 4 TX slots)	23.61	23.39	23.42	20.60	20.38	20.41

Remark:

1. The frame-averaged power is linearly reported the maximum burst averaged power over 8 time slots. The calculated method are shown as below:
   The duty cycle "x" of different time slots as below:
   1 TX slot is 1/8, 2 TX slots is 2/8, 3 TX slots is 3/8 and 4 TX slots is 4/8
   Based on the calculation formula:
   Frame-averaged power = Burst averaged power + 10 1og (x)
   So,
   Frame-averaged power (1 TX slot) = Burst averaged power (1 TX slot)– 9.03
   Frame-averaged power (2 TX slots) = Burst averaged power (2 TX slots)– 6.02
   Frame-averaged power (3 TX slots) = Burst averaged power (3 TX slots)– 4.26
   Frame-averaged power (4 TX slots) = Burst averaged power (4 TX slots) – 3.01
2. CS1 coding scheme was used in GPRS conducted power measurements and SAR testing, MCS5 coding scheme was used in EGPRS conducted power measurements and SAR testing (if necessary).

Note:

1. For Head SAR testing, GSM Voice mode should be evaluated, therefore the EUT was set in GSM 850 Voice mode.
2. For Body worn SAR testing and Hotspot mode SAR testing, GPRS and EGPRS mode should be evaluated, therefore the EUT was set in GPRS 2 TX slots mode due to the highest frame-averaged power.
3. For GPRS multi time slots SAR measurement, when the measured maximum output power levels are within 0.25 dB of each other, test the configuration with the most number of time slots.
4. Per KDB447498 D01v06, the maximum output power channel is used for SAR testing and for further SAR test reduction.

Band: PCS 1900	Burst Average Power (dBm)			Frame-Average Power(dBm)		
Channel	512	661	810	512	661	810
Frequency (MHz)	1850.2	1880.0	1909.8	1850.2	1880.0	1909.8
GSM (GMSK, Voice)	**30.30**	30.09	29.91	21.27	21.06	20.88
GPRS (GMSK, 1 TX slot)	30.31	30.09	29.91	21.28	21.06	20.88
GPRS (GMSK, 2 TX slots)	**29.34**	29.17	29.02	23.32	23.15	23.00
GPRS (GMSK, 3 TX slots)	27.22	27.13	27.05	22.96	22.87	22.79
GPRS (GMSK, 4 TX slots)	26.09	26.04	26.01	23.08	23.03	23.00
EGPRS (8PSK, 1 TX slot)	25.02	25.14	25.06	15.99	16.11	16.03
EGPRS (8PSK, 2 TX slots)	24.00	24.23	24.16	17.98	18.21	18.14
EGPRS (8PSK, 3 TX slots)	22.07	22.27	22.14	17.81	18.01	17.88
EGPRS (8PSK, 4 TX slots)	21.01	21.21	21.02	18.00	18.20	18.01

Remark:

3. The frame-averaged power is linearly reported the maximum burst averaged power over 8 time slots. The calculated method are shown as below:
   The duty cycle "x" of different time slots as below:
   1 TX slot is 1/8, 2 TX slots is 2/8, 3 TX slots is 3/8 and 4 TX slots is 4/8
   Based on the calculation formula:
   Frame-averaged power = Burst averaged power + 10 1og (x)
   So,
   Frame-averaged power (1 TX slot) = Burst averaged power (1 TX slot)– 9.03
   Frame-averaged power (2 TX slots) = Burst averaged power (2 TX slots)– 6.02
   Frame-averaged power (3 TX slots) = Burst averaged power (3 TX slots)– 4.26
   Frame-averaged power (4 TX slots) = Burst averaged power (4 TX slots) – 3.01
4. CS1 coding scheme was used in GPRS conducted power measurements and SAR testing, MCS5 coding scheme was used in EGPRS conducted power measurements and SAR testing (if necessary).

Note:

1. For Head SAR testing, GSM Voice mode should be evaluated, therefore the EUT was set in GSM 1900 Voice mode.
2. For Body worn SAR testing and Hotspot mode SAR testing, GPRS and EGPRS mode should be evaluated, therefore the EUT was set in GPRS 2 TX slots mode due to the highest frame-averaged power.
3. Per KDB447498 D01v06, the maximum output power channel is used for SAR testing and for further SAR test reduction.

13.2 WCDMA Conducted Power

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

HSDPA Setup Configuration:

a. The EUT was connected to Base Station Rohde & Schwarz CMU200 referred to the Setup Configuration.
b. The RF path losses were compensated into the measurements.
c. A call was established between EUT and Base Station with following setting:
   i. Set Gain Factors (β_c and β_d) and parameters were set according to each
   ii. Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
   iii. Set RMC 12.2kbps + HSDPA mode.
   iv. Set Cell Power = -86 dBm
   v. Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
   vi. Select HSDPA Uplink Parameters
   vii. Set Delta ACK, Delta NACK and Delta CQI = 8
   viii. Set Ack-Nack Repetition Factor to 3
   ix. Set CQI Feedback Cycle (k) to 4 ms
   x. Set CQI Repetition Factor to 2
   xi. Power Ctrl Mode = All Up bits
d. The transmitted maximum output power was recorded.

Table 1

Sub-test	β_c	β_d	β_d *(SF)*	β_c/β_d	β_{hs} (1)	CM (dB) (2)
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15 (3)	15/15 (3)	64	12/15 (3)	24/15	1.0
3	15/15	8/15	64	15/8	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

Note 1: Δ_{ACK}, Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$
Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15.
Note 3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 11/15 and β_d = 15/15.

HSDPA Sub-test setup configuration

HSUPA Setup Configuration:

a. The EUT was connected to Base Station Rohde & Schwarz CMU200 referred to the Setup Configuration.
b. The RF path losses were compensated into the measurements.
c. A call was established between EUT and Base Station with following setting * :
   i. Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
   ii. Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121
   iii. Set Cell Power = -86 dBm
   iv. Set Channel Type = 12.2k + HSPA
   v. Set UE Target Power
   vi. Power Ctrl Mode= Alternating bits
   vii. Set and observe the E-TFCI
   viii. Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
d. The transmitted maximum output power was recorded.

Table 2

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs} (1)	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM (2) (dB)	MPR (dB)	AG (4) Index	E-TFCI
1	11/15 (3)	15/15 (3)	64	11/15 (3)	22/15	209/225	1039/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	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	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15 (4)	15/15 (4)	64	15/15 (4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK}, Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$.
Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, DPCCH, HS- DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.
Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 10/15 and β_d = 15/15.
Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 14/15 and β_d = 15/15.
Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.
Note 6: β_{ed} cannot be set directly; it is set by Absolute Grant Value.

HSUPA Sub-test setup configuration

WCDMA Conducted Power:

WCDMA Average power (dBm)			
Band	WCDMA Band V		
Channel	4132	4183	4233
Frequency (MHz)	826.4	836.6	846.6
AMR 12.2 kbps	23.18	23.57	23.35
RMC 12.2 kbps	23.26	**23.53**	23.43
HSDPA Sub-test 1	22.24	22.52	22.42
HSDPA Sub-test 2	21.73	22.02	21.92
HSDPA Sub-test 3	21.80	22.06	21.98
HSDPA Sub-test 4	21.74	22.01	21.91
HSUPA Sub-test 1	20.22	20.50	20.38
HSUPA Sub-test 2	20.72	21.00	20.91
HSUPA Sub-test 3	21.24	21.50	21.42
HSUPA Sub-test 4	20.25	20.54	20.43
HSUPA Sub-test 5	22.25	22.55	22.44

WCDMA Average power (dBm)			
Band	WCDMA Band IV		
Channel	1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6
AMR 12.2 kbps	23.40	23.03	23.23
RMC 12.2 kbps	**23.59**	23.07	23.26
HSDPA Sub-test 1	22.59	22.04	22.27
HSDPA Sub-test 2	22.08	21.55	21.76
HSDPA Sub-test 3	22.12	21.60	21.82
HSDPA Sub-test 4	22.09	21.55	21.77
HSUPA Sub-test 1	20.56	20.02	20.25
HSUPA Sub-test 2	21.07	20.53	20.73
HSUPA Sub-test 3	21.60	21.04	21.24
HSUPA Sub-test 4	20.55	20.07	20.26
HSUPA Sub-test 5	22.61	22.09	22.26

WCDMA Average power (dBm)			
Band	WCDMA Band II		
Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
AMR 12.2 kbps	23.24	23.23	23.36
RMC 12.2 kbps	23.24	23.23	**23.37**
HSDPA Sub-test 1	22.26	22.24	22.36
HSDPA Sub-test 2	21.74	21.70	21.82
HSDPA Sub-test 3	21.77	21.72	21.88
HSDPA Sub-test 4	21.70	21.67	21.88
HSUPA Sub-test 1	20.19	20.13	20.28
HSUPA Sub-test 2	20.67	20.67	20.79
HSUPA Sub-test 3	21.25	21.18	21.31
HSUPA Sub-test 4	20.23	20.19	20.33
HSUPA Sub-test 5	22.23	22.18	22.31

Note:

1. Applying the subtest setup in Table C.11.1.3 of 3GPP TS 34.121-1
2. Per KDB 941225 D01, RMC 12.2kbps mode is used to evaluate SAR due the highest output power. If AMR 12.2 kbps power is < 0.25dB higher than RMC 12.2kbps, SAR tests with AMR 12.2 kbps can be excluded.
3. AMR, HSDPA RF power will not be larger than RMC 12.2kbps, detailed information is included in Tune-up Procure exhibit.

13.3 LTE Conducted Power

13.3.1 Largest channel bandwidth standalone SAR test requirements

QPSK with 1 RB allocation

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.8 When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

QPSK with 50% RB allocation

The procedures required for 1 RB allocation in section 4.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.9

QPSK with 100% RB allocation

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 in sections 4.2.1 and 4.2.2 are ≤ 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.

Higher order modulations

For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in sections 4.2.1, 5.2.2 and 4.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is > ½ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

13.3.2 Other channel bandwidth standalone SAR test requirements

For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section 4.2 to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is > ½ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg. The equivalent channel configuration for the RB allocation, RB offset and modulation etc. is determined for the smaller channel bandwidth according to the same number of RB allocated in the largest channel bandwidth. For example, 50 RB in 10 MHz channel bandwidth does not apply to 5 MHz channel bandwidth; therefore, this cannot be tested in the smaller channel bandwidth. However, 50% RB allocation in 10 MHz channel bandwidth is equivalent to 100% RB allocation in 5 MHz channel bandwidth; therefore, these are the equivalent configurations to be compared to determine the specific channel and configuration in the smaller channel bandwidth that need SAR testing.

13.3.3 TDD LTE configuration setup for SAR measurement

According to KDB 941225 D05v02r03 and April 2013 TCB workshop slides, SAR must be tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

- see 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
- “special subframe S” contains both uplink and downlink transmissions and must be taken into consideration to determine the transmission duty factor
  - according to the worst case uplink and downlink cyclic prefix requirements for UpPTS to determine the highest SAR test duty factor

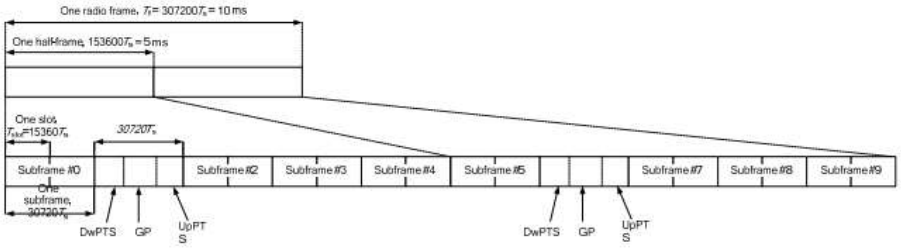

Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

Per 3GPP 36.211 section 4.2, each radio frame of length T_f=37200·*T*s = 10 ms consists of two half-frames of length 153600·Ts = 5ms each. Each half-frame consists of five subframes of length 30720 ·*T*s = 1ms. So, the uplink duty factor in special subframe as below:

Special Subframe configuration	Normal cyclic prefix in downlink		Extended cyclic prefix in downlink	
	Duty factor of Uplink		Duty factor of Uplink	
	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	7.14%	8.33%	7.14%	8.33%
1	7.14%	8.33%	7.14%	8.33%
2	7.14%	8.33%	7.14%	8.33%
3	7.14%	8.33%	7.14%	8.33%
4	7.14%	8.33%	14.27%	16.67%
5	14.27%	16.67%	14.27%	16.67%
6	14.27%	16.67%	14.27%	16.67%
7	14.27%	16.67%	14.27%	16.67%
8	14.27%	16.67%	/	/
9	14.27%	16.67%	/	/

Table 4.2-2: Uplink-downlink configurations

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

According to above table:

1. The highest duty factor is configuration 0;
2. The duty factor of uplink in one half-frame with normal cyclic prefix is: (3ms + 0.143ms)/5ms=62.86%;
3. The duty factor of uplink in one half-frame with extended cyclic prefix is: (3ms + 0.167ms)/5ms=63.34%;
4. For purpose to get the worst case SAR test duty factor, the duty factor of normal cyclic prefix in uplink scaled-up to the extended cyclic prefix in uplink, the scaling factor is 63.34%/62.86%=1.008, and the scaling factor will be taken into the final measured SAR.

LTE Band 2 part

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18607	18900	19193
					1850.7MHz	1880.0MHz	1909.3MHz
Band 2	1.4	QPSK	1	0	23.33	23.27	23.43
			1	2	23.31	23.30	23.43
			1	5	23.35	23.30	23.43
			3	0	23.34	23.31	23.51
			3	1	23.36	23.30	23.49
			3	2	23.33	23.27	23.48
			6	0	22.34	22.29	22.46
		16QAM	1	0	22.52	22.46	22.64
			1	2	22.55	22.48	22.70
			1	5	22.52	22.43	22.66
			3	0	22.25	22.17	22.37
			3	1	22.25	22.18	22.36
			3	2	22.22	22.18	22.37
			6	0	21.35	21.27	21.34

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18615	18900	19185
					1851.5MHz	1880.0MHz	1908.5MHz
Band 2	3	QPSK	1	0	23.40	23.30	23.48
			1	7	23.40	23.33	23.41
			1	14	23.44	23.30	23.43
			8	0	22.34	22.28	22.49
			8	4	22.38	22.24	22.51
			8	7	22.40	22.23	22.50
			15	0	22.39	22.25	22.49
		16QAM	1	0	22.55	22.52	22.44
			1	7	22.55	22.48	22.39
			1	14	22.58	22.45	22.39
			8	0	21.41	21.29	21.51
			8	4	21.42	21.28	21.49
			8	7	21.44	21.28	21.49
			15	0	21.38	21.18	21.41

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18625	18900	19175
					1852.5MHz	1880.0MHz	1907.5MHz
Band 2	5	QPSK	1	0	23.59	23.49	23.69
			1	12	23.60	23.43	23.63
			1	24	23.65	23.38	23.69
			12	0	22.40	22.28	22.55
			12	6	22.44	22.27	22.59
			12	11	22.41	22.28	22.58
			25	0	22.38	22.27	22.54
		16QAM	1	0	22.49	22.63	22.61
			1	12	22.45	22.61	22.59
			1	24	22.55	22.58	22.63
			12	0	21.40	21.33	21.53
			12	6	21.41	21.30	21.58
			12	11	21.42	21.30	21.57
			25	0	21.38	21.22	21.59

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18650	18900	19150
					1855.0MHz	1880.0MHz	1905.0MHz
Band 2	10	QPSK	1	0	23.42	23.40	23.55
			1	24	23.47	23.34	23.56
			1	49	23.55	23.24	23.52
			25	0	22.41	22.32	22.64
			25	12	22.40	22.33	22.62
			25	24	22.40	22.32	22.61
			50	0	22.45	22.29	22.58
		16QAM	1	0	22.57	22.63	22.46
			1	24	22.63	22.56	22.46
			1	49	22.78	22.44	22.43
			25	0	21.41	21.36	21.65
			25	12	21.39	21.34	21.63
			25	24	21.38	21.33	21.61
			50	0	21.41	21.28	21.55

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18675	18900	19125
					1857.5MHz	1880.0MHz	1902.5MHz
Band 2	15	QPSK	1	0	23.37	23.43	23.32
			1	37	23.52	23.29	23.52
			1	74	23.58	23.16	23.46
			36	0	22.43	22.31	22.47
			36	16	22.41	22.34	22.47
			36	35	22.40	22.34	22.45
			75	0	22.53	22.29	22.46
		16QAM	1	0	22.52	22.73	22.25
			1	37	22.70	22.60	22.41
			1	74	22.78	22.45	22.42
			36	0	21.39	21.42	21.44
			36	16	21.40	21.38	21.42
			36	35	21.42	21.39	21.41
			75	0	21.45	21.29	21.47

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18700	18900	19100
					1860.0MHz	1880.0MHz	1900.0MHz
Band 2	20	QPSK	1	0	23.43	23.60	23.15
			1	49	23.72	23.37	23.41
			1	99	23.71	23.26	23.37
			50	0	22.54	22.37	22.38
			50	24	22.58	22.37	22.38
			50	49	22.56	22.39	22.40
			100	0	22.60	22.29	22.33
		16QAM	1	0	22.43	22.84	22.23
			1	49	22.72	22.61	22.55
			1	99	22.68	22.48	22.49
			50	0	21.54	21.36	21.40
			50	24	21.51	21.37	21.40
			50	49	21.51	21.36	21.39
			100	0	21.53	21.28	21.33

LTE Band 5 part:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20407	20525	20643
					824.7MHz	836.5MHz	848.3MHz
Band 5	1.4	QPSK	1	0	23.27	23.70	23.41
			1	2	23.27	23.66	23.40
			1	5	23.32	23.68	23.37
			3	0	23.39	23.77	23.42
			3	1	23.40	23.80	23.42
			3	2	23.39	23.79	23.42
			6	0	22.39	22.74	22.44
		16QAM	1	0	22.33	22.90	22.33
			1	2	22.48	22.95	22.36
			1	5	22.43	22.91	22.34
			3	0	22.35	22.63	22.39
			3	1	22.33	22.65	22.37
			3	2	22.32	22.67	22.38
			6	0	21.47	21.59	21.42

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20415	20525	20635
					825.5MHz	836.5MHz	847.5MHz
Band 5	3	QPSK	1	0	23.42	23.68	23.45
			1	7	23.51	23.70	23.44
			1	14	23.53	23.68	23.38
			8	0	22.36	22.69	22.44
			8	4	22.35	22.68	22.46
			8	7	22.42	22.73	22.45
			15	0	22.38	22.72	22.45
		16QAM	1	0	22.59	23.03	22.30
			1	7	22.67	22.92	22.36
			1	14	22.73	22.86	22.35
			8	0	21.44	21.69	21.48
			8	4	21.45	21.69	21.48
			8	7	21.48	21.70	21.46
			15	0	21.40	21.65	21.43

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20425	20525	20625
					826.5MHz	836.5MHz	846.5MHz
Band 5	5	QPSK	1	0	23.50	23.89	23.73
			1	12	23.63	23.87	23.63
			1	24	23.72	23.80	23.61
			12	0	22.41	22.75	22.62
			12	6	22.40	22.75	22.64
			12	11	22.45	22.75	22.57
			25	0	22.47	22.70	22.52
		16QAM	1	0	22.40	22.97	22.68
			1	12	22.48	23.00	22.58
			1	24	22.57	22.98	22.53
			12	0	21.43	21.78	21.56
			12	6	21.45	21.76	21.58
			12	11	21.46	21.78	21.59
			25	0	21.50	21.66	21.58

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20450	20525	20600
					829MHz	836.5MHz	844MHz
Band 5	10	QPSK	1	0	23.40	23.68	23.61
			1	24	23.59	23.75	23.56
			1	49	23.73	23.67	23.39
			25	0	22.46	22.75	22.70
			25	12	22.46	22.77	22.66
			25	24	22.47	22.77	22.68
			50	0	22.58	22.72	22.65
		16QAM	1	0	22.54	22.88	22.54
			1	24	22.80	22.94	22.49
			1	49	22.94	22.86	22.36
			25	0	21.46	21.77	21.73
			25	12	21.44	21.80	21.73
			25	24	21.46	21.81	21.73
			50	0	21.53	21.73	21.64

LTE Band 7 part:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20775	21100	21425
					2502.5MHz	2535.0MHz	2567.5MHz
Band 7	5	QPSK	1	0	23.62	23.21	23.06
			1	12	23.61	23.14	23.04
			1	24	23.63	23.15	23.09
			12	0	22.47	22.09	21.97
			12	6	22.44	22.08	21.95
			12	11	22.45	22.07	21.97
			25	0	22.51	22.02	21.95
		16QAM	1	0	22.48	22.29	21.97
			1	12	22.51	22.28	21.99
			1	24	22.50	22.29	22.00
			12	0	21.54	21.14	21.00
			12	6	21.53	21.14	21.01
			12	11	21.54	21.13	21.01
			25	0	21.59	21.04	20.99

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20800	21100	21400
					2505.0MHz	2535.0MHz	2565.0MHz
Band 7	10	QPSK	1	0	23.50	23.03	22.80
			1	24	23.52	22.98	22.83
			1	49	23.56	22.92	22.80
			25	0	22.57	22.12	21.91
			25	12	22.55	22.12	21.93
			25	24	22.53	22.13	21.94
			50	0	22.55	22.11	21.97
		16QAM	1	0	22.66	22.27	21.79
			1	24	22.67	22.23	21.79
			1	49	22.70	22.18	21.84
			25	0	21.53	21.16	21.01
			25	12	21.54	21.14	21.00
			25	24	21.53	21.15	21.02
			50	0	21.54	21.13	21.00

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20825	21100	21375
					2507.5MHz	2535.0MHz	2562.5MHz
Band 7	15	QPSK	1	0	23.42	23.01	22.76
			1	37	23.52	23.04	22.80
			1	74	23.41	22.92	22.78
			36	0	22.41	22.06	21.97
			36	16	22.40	22.07	21.96
			36	35	22.40	22.05	21.93
			75	0	22.43	22.06	21.95
		16QAM	1	0	22.58	22.34	21.81
			1	37	22.66	22.33	21.83
			1	74	22.56	22.24	21.83
			36	0	21.44	21.18	20.94
			36	16	21.44	21.16	20.96
			36	35	21.45	21.16	20.96
			75	0	21.42	21.07	20.93

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20850	21100	21350
					2510.0MHz	2535.0MHz	2560.0MHz
Band 7	20	QPSK	1	0	23.47	23.03	22.72
			1	49	23.55	23.08	22.77
			1	99	23.41	22.97	22.69
			50	0	22.54	22.15	22.09
			50	24	22.53	22.14	22.08
			50	49	22.50	22.10	22.12
			100	0	22.44	22.06	21.99
		16QAM	1	0	22.41	22.37	21.97
			1	49	22.50	22.41	21.98
			1	99	22.32	22.29	21.97
			50	0	21.51	21.12	21.12
			50	24	21.51	21.13	21.13
			50	49	21.50	21.14	21.12
			100	0	21.45	21.08	21.02

LTE Band 41 part:

LTE Band	Band width (MHz)	Modu-lation	RB Size	RB Offset	Average Power (dBm)				
					39675	40148	40620	41093	41565
					2498.5MHz	2545.5MHz	2593.0MHz	2640.3MHz	2687.5MHz
Band 41	5	QPSK	1	0	22.86	22.84	22.93	22.87	22.81
			1	12	22.82	22.78	22.86	22.80	22.73
			1	24	22.90	22.84	22.96	22.88	22.77
			12	0	21.78	21.79	21.81	21.79	21.79
			12	6	21.78	21.79	21.84	21.80	21.79
			12	11	21.81	21.80	21.82	21.80	21.78
			25	0	21.80	21.81	21.83	21.81	21.81
		16QAM	1	0	22.23	22.17	22.23	22.19	22.11
			1	12	22.14	22.11	22.18	22.13	22.07
			1	24	22.18	22.15	22.24	22.18	22.11
			12	0	20.78	20.80	20.78	20.79	20.81
			12	6	20.78	20.78	20.79	20.78	20.78
			12	11	20.75	20.77	20.79	20.78	20.79
			25	0	20.79	20.79	20.83	20.80	20.78

LTE Band	Band width (MHz)	Modu-lation	RB Size	RB Offset	Average Power (dBm)				
					39700	40160	40620	41080	41540
					2501.0MHz	2547.0MHz	2593.0MHz	2639.0MHz	2685.0MHz
Band 41	10	QPSK	1	0	22.79	22.86	22.81	22.84	22.92
			1	24	22.82	22.80	22.87	22.82	22.78
			1	49	22.82	22.88	22.87	22.88	22.94
			25	0	21.73	21.77	21.81	21.78	21.81
			25	12	21.72	21.75	21.80	21.76	21.77
			25	24	21.70	21.73	21.81	21.76	21.76
			50	0	21.84	21.83	21.83	21.83	21.82
		16QAM	1	0	21.68	21.71	22.22	21.88	21.74
			1	24	21.69	21.71	22.26	21.89	21.72
			1	49	21.70	21.67	22.19	21.84	21.64
			25	0	20.68	20.73	20.88	20.78	20.77
			25	12	20.69	20.73	20.89	20.78	20.76
			25	24	20.71	20.74	20.88	20.78	20.76
			50	0	20.79	20.78	20.79	20.78	20.77

LTE Band	Band width (MHz)	Modu-lation	RB Size	RB Offset	Average Power (dBm)				
					39725	40173	40620	41068	41515
					2503.5MHz	2548.5MHz	2593.0MHz	2637.8MHz	2682.5MHz
Band 41	15	QPSK	1	0	22.67	22.74	22.75	22.74	22.80
			1	37	22.77	22.83	22.84	22.83	22.89
			1	74	22.72	22.74	22.75	22.74	22.76
			36	0	21.68	21.74	21.79	21.75	21.79
			36	16	21.71	21.75	21.74	21.74	21.78
			36	35	21.69	21.72	21.74	21.72	21.74
			75	0	21.77	21.77	21.80	21.78	21.77
		16QAM	1	0	22.10	21.95	22.14	22.01	21.79
			1	37	22.17	22.03	22.23	22.09	21.88
			1	74	22.13	21.94	22.13	22.00	21.75
			36	0	20.73	20.74	20.76	20.75	20.75
			36	16	20.70	20.72	20.75	20.73	20.74
			36	35	20.72	20.73	20.75	20.74	20.74
			75	0	20.77	20.76	20.82	20.78	20.75

LTE Band	Band width (MHz)	Modu-lation	RB Size	RB Offset	Average Power (dBm)				
					39750	40185	40620	41055	41490
					2506.0MHz	2549.5MHz	2593.0MHz	2636.5MHz	2680.0MHz
Band 41	20	QPSK	1	0	22.61	22.71	22.73	22.71	22.80
			1	49	22.75	22.82	22.87	22.83	22.88
			1	99	22.74	22.75	22.80	22.77	22.76
			50	0	21.69	21.77	21.82	21.79	21.85
			50	24	21.70	21.80	21.83	21.81	21.89
			50	49	21.68	21.78	21.82	21.79	21.88
			100	0	21.74	21.79	21.85	21.81	21.83
		16QAM	1	0	21.82	21.62	21.96	21.73	21.42
			1	49	21.95	21.74	22.10	21.86	21.53
			1	99	21.96	21.70	22.00	21.80	21.43
			50	0	20.70	20.77	20.81	20.78	20.84
			50	24	20.69	20.77	20.81	20.78	20.85
			50	49	20.68	20.78	20.83	20.79	20.87
			100	0	20.68	20.74	20.81	20.76	20.80

Note:

1. Per KDB 447498 D01v05r02 section 4.1, 6), the required test channels number is 5 for LTE Band 41.

LTE Band 66 part

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					131979	132322	132665
					1710.70MHz	1745.00MHz	1779.30MHz
Band 66	1.4	QPSK	1	0	22.43	22.33	22.72
			1	2	22.39	22.37	22.67
			1	5	22.43	22.34	22.68
			3	0	22.45	22.34	22.75
			3	1	22.45	22.34	22.77
			3	2	22.45	22.32	22.72
			6	0	21.44	21.33	21.74
		16QAM	1	0	21.57	21.51	21.91
			1	2	21.62	21.57	21.95
			1	5	21.60	21.52	21.94
			3	0	21.36	21.20	21.66
			3	1	21.35	21.23	21.66
			3	2	21.33	21.24	21.65
			6	0	20.46	20.33	20.57

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					131987	132322	132657
					1711.50MHz	1745.00MHz	1778.50MHz
Band 66	3	QPSK	1	0	22.43	22.37	22.73
			1	7	22.44	22.38	22.70
			1	14	22.44	22.39	22.68
			8	0	21.42	21.33	21.76
			8	4	21.43	21.30	21.73
			8	7	21.42	21.33	21.72
			15	0	21.45	21.37	21.72
		16QAM	1	0	21.59	21.58	21.66
			1	7	21.57	21.54	21.62
			1	14	21.58	21.53	21.61
			8	0	20.49	20.33	20.78
			8	4	20.48	20.34	20.75
			8	7	20.49	20.38	20.74
			15	0	20.43	20.30	20.61

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					131997	132322	132647
					1712.50MHz	1745.00MHz	1777.50MHz
Band 66	5	QPSK	1	0	22.65	22.52	23.01
			1	12	22.62	22.50	22.94
			1	24	22.68	22.53	22.93
			12	0	21.47	21.36	21.83
			12	6	21.46	21.34	21.85
			12	11	21.49	21.38	21.86
			25	0	21.47	21.41	21.79
		16QAM	1	0	21.53	21.69	21.96
			1	12	21.54	21.65	21.89
			1	24	21.61	21.71	21.85
			12	0	20.45	20.38	20.86
			12	6	20.45	20.37	20.88
			12	11	20.45	20.37	20.83
			25	0	20.47	20.39	20.80

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					132022	132322	132622
					1715.00MHz	1745.00MHz	1775.00MHz
Band 66	10	QPSK	1	0	22.47	22.38	22.95
			1	24	22.57	22.38	22.83
			1	49	22.68	22.54	22.76
			25	0	21.47	21.33	21.91
			25	12	21.46	21.33	21.88
			25	24	21.44	21.33	21.90
			50	0	21.56	21.37	21.85
		16QAM	1	0	21.63	21.56	21.89
			1	24	21.68	21.55	21.71
			1	49	21.87	21.64	21.68
			25	0	20.46	20.31	20.91
			25	12	20.41	20.35	20.94
			25	24	20.47	20.35	20.94
			50	0	20.46	20.36	20.84

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					132047	132322	132597
					1717.50MHz	1745.00MHz	1772.50MHz
Band 66	15	QPSK	1	0	22.42	22.30	22.99
			1	37	22.60	22.39	22.91
			1	74	22.60	22.48	22.75
			36	0	21.45	21.29	21.92
			36	16	21.49	21.30	21.92
			36	35	21.47	21.30	21.95
			75	0	21.55	21.38	21.90
		16QAM	1	0	21.59	21.59	21.86
			1	37	21.76	21.69	21.85
			1	74	21.78	21.82	21.63
			36	0	20.46	20.37	20.91
			36	16	20.46	20.35	20.90
			36	35	20.46	20.38	20.90
			75	0	20.52	20.37	20.85

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					132072	132322	132572
					1720.00MHz	1745.00MHz	1770.00MHz
Band 66	20	QPSK	1	0	22.53	22.34	22.78
			1	49	22.81	22.44	22.89
			1	99	22.78	22.70	22.61
			50	0	21.54	21.34	21.94
			50	24	21.56	21.35	21.96
			50	49	21.54	21.33	21.95
			100	0	21.59	21.35	21.88
		16QAM	1	0	21.43	21.57	21.87
			1	49	21.78	21.64	22.02
			1	99	21.71	21.91	21.79
			50	0	20.55	20.33	20.95
			50	24	20.51	20.30	20.96
			50	49	20.50	20.30	20.96
			100	0	20.55	20.35	20.85

13.4 NR Conducted Power

NR n2 part

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					371000	376000	381000
					1855MHz	1880MHz	1905MHz
n2	30	10	12@6	DFT_BPSK	23.63	23.20	23.13
			1@1	DFT_BPSK	23.55	23.21	23.06
			1@22	DFT_BPSK	23.51	23.12	23.09
			12@6	DFT_QPSK	23.64	23.23	23.20
			1@1	DFT_QPSK	23.43	23.16	23.04
			1@22	DFT_QPSK	23.42	23.04	23.02
			12@6	DFT_QAM16	22.65	22.19	22.22
			1@1	DFT_QAM16	23.18	22.79	22.78
			1@22	DFT_QAM16	23.12	22.64	22.92
			12@6	DFT_QAM64	21.20	20.77	20.87
			1@1	DFT_QAM64	21.26	20.89	20.69
			1@22	DFT_QAM64	21.23	20.83	20.76
			12@6	DFT_QAM256	19.34	18.97	18.99
			1@1	DFT_QAM256	19.40	18.88	19.03
			1@22	DFT_QAM256	19.38	19.08	18.97
			12@6	CP_QPSK	22.13	21.62	21.78
			1@1	CP_QPSK	22.11	21.69	21.73
			1@22	CP_QPSK	21.98	21.64	21.92
			12@6	CP_QAM16	21.56	21.15	21.13
			1@1	CP_QAM16	21.71	21.47	21.30
			1@22	CP_QAM16	21.73	21.48	21.38
			12@6	CP_QAM64	20.07	19.83	19.77
			1@1	CP_QAM64	20.31	20.12	19.98
			1@22	CP_QAM64	20.28	19.30	19.97
			12@6	CP_QAM256	17.20	16.80	16.80
			1@1	CP_QAM256	16.83	16.54	16.49
			1@22	CP_QAM256	16.94	16.46	16.65

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
	(KHz)	(MHz)			3715000	376000	380500
					1857.5MHz	1880MHz	1902.5MHz
n2	30	15	18@9	DFT_BPSK	23.56	23.19	23.19
			1@1	DFT_BPSK	23.49	23.09	23.09
			1@36	DFT_BPSK	23.41	23.02	23.13
			18@9	DFT_QPSK	23.58	23.22	23.19
			1@1	DFT_QPSK	23.34	23.01	22.95
			1@36	DFT_QPSK	23.27	22.94	23.02
			18@9	DFT_QAM16	22.52	22.27	22.15
			1@1	DFT_QAM16	22.85	22.68	22.57
			1@36	DFT_QAM16	22.80	22.67	22.70
			18@9	DFT_QAM64	21.10	20.71	20.82
			1@1	DFT_QAM64	21.10	20.82	20.64
			1@36	DFT_QAM64	21.10	20.71	20.93
			18@9	DFT_QAM256	19.24	18.93	18.85
			1@1	DFT_QAM256	19.42	19.08	18.78
			1@36	DFT_QAM256	19.34	18.81	19.11
			19@9	CP_QPSK	21.94	21.78	21.61
			1@1	CP_QPSK	22.01	21.71	21.67
			1@36	CP_QPSK	21.79	21.66	21.75
			19@9	CP_QAM16	21.60	21.11	21.21
			1@1	CP_QAM16	21.66	21.45	21.23
			1@36	CP_QAM16	21.63	21.34	21.38
			19@9	CP_QAM64	19.94	19.88	19.75
			1@1	CP_QAM64	19.42	20.16	19.45
			1@36	CP_QAM64	19.42	20.05	19.30
			19@9	CP_QAM256	17.11	16.71	16.73
			1@1	CP_QAM256	16.87	16.62	16.64
			1@36	CP_QAM256	16.86	16.66	16.55

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
	(KHz)	(MHz)			372000	376000	38000
					1860MHz	1880MHz	1900MHz
n2	30	20	25@12	DFT_BPSK	23.46	23.25	23.10
			1@1	DFT_BPSK	23.43	23.21	23.00
			1@49	DFT_BPSK	23.27	23.03	23.06
			25@12	DFT_QPSK	23.53	23.19	23.07
			1@1	DFT_QPSK	23.30	22.97	22.94
			1@49	DFT_QPSK	23.08	22.90	22.87
			25@12	DFT_QAM16	22.52	22.20	22.13
			1@1	DFT_QAM16	23.02	22.58	22.54
			1@49	DFT_QAM16	22.69	22.49	22.57
			25@12	DFT_QAM64	20.99	20.72	20.72
			1@1	DFT_QAM64	21.14	20.80	20.77
			1@49	DFT_QAM64	20.97	20.77	20.77
			25@12	DFT_QAM256	19.18	18.95	18.87
			1@1	DFT_QAM256	19.33	18.76	18.91
			1@49	DFT_QAM256	19.16	18.94	19.02
			25@12	CP_QPSK	22.02	21.69	21.59
			1@1	CP_QPSK	22.07	21.50	21.51
			1@49	CP_QPSK	21.77	21.47	21.64
			25@12	CP_QAM16	21.51	21.30	21.07
			1@1	CP_QAM16	21.52	21.48	21.27
			1@49	CP_QAM16	21.46	21.35	21.32
			25@12	CP_QAM64	20.06	19.89	19.79
			1@1	CP_QAM64	19.64	19.30	19.94
			1@49	CP_QAM64	20.19	19.96	19.12
			25@12	CP_QAM256	17.22	16.78	16.75
			1@1	CP_QAM256	16.93	16.48	16.36
			1@49	CP_QAM256	16.71	16.42	16.50

NR n5 part

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					165800	167300	168800
					829MHz	836.5MHz	844MHz
n5	30	10	12@6	DFT_BPSK	22.36	22.56	22.66
			1@1	DFT_BPSK	22.16	22.43	22.63
			1@22	DFT_BPSK	22.46	22.59	22.51
			12@6	DFT_QPSK	22.33	22.53	22.64
			1@1	DFT_QPSK	22.16	22.35	22.47
			1@22	DFT_QPSK	22.29	22.51	22.46
			12@6	DFT_QAM16	21.40	21.54	21.76
			1@1	DFT_QAM16	21.85	21.76	22.03
			1@22	DFT_QAM16	22.04	21.91	21.96
			12@6	DFT_QAM64	20.01	20.19	20.12
			1@1	DFT_QAM64	19.81	20.01	19.97
			1@22	DFT_QAM64	19.93	20.24	20.16
			12@6	DFT_QAM256	18.04	18.27	18.25
			1@1	DFT_QAM256	17.98	18.21	18.32
			1@22	DFT_QAM256	18.17	18.30	18.33
			12@6	CP_QPSK	20.85	21.12	21.10
			1@1	CP_QPSK	20.81	21.07	21.19
			1@22	CP_QPSK	20.99	21.27	21.17
			12@6	CP_QAM16	20.33	20.53	20.70
			1@1	CP_QAM16	20.48	20.65	20.84
			1@22	CP_QAM16	20.69	20.74	20.83
			12@6	CP_QAM64	18.90	19.12	19.17
			1@1	CP_QAM64	19.05	18.42	18.71
			1@22	CP_QAM64	19.29	19.37	18.74
			12@6	CP_QAM256	15.84	16.03	16.07
			1@1	CP_QAM256	15.49	15.75	15.89
			1@22	CP_QAM256	15.75	15.92	15.84

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
					166300	167300	168300
	(KHz)	(MHz)			831.5MHz	836.5MHz	841.5MHz
n5	30	15	12@6	DFT_BPSK	22.38	22.47	22.59
			1@1	DFT_BPSK	22.18	22.17	22.45
			1@22	DFT_BPSK	22.50	22.49	22.53
			12@6	DFT_QPSK	22.37	22.53	22.67
			1@1	DFT_QPSK	22.07	22.19	22.26
			1@22	DFT_QPSK	22.41	22.51	22.29
			12@6	DFT_QAM16	21.41	21.52	21.54
			1@1	DFT_QAM16	21.80	21.71	21.65
			1@22	DFT_QAM16	21.78	21.98	21.71
			12@6	DFT_QAM64	19.85	19.98	20.15
			1@1	DFT_QAM64	19.86	19.83	19.98
			1@22	DFT_QAM64	20.15	20.20	20.01
			12@6	DFT_QAM256	17.93	18.02	18.14
			1@1	DFT_QAM256	17.72	18.09	18.11
			1@22	DFT_QAM256	18.29	18.37	18.11
			12@6	CP_QPSK	20.80	20.87	21.02
			1@1	CP_QPSK	20.62	20.91	21.06
			1@22	CP_QPSK	20.95	21.13	21.11
			12@6	CP_QAM16	20.30	20.52	20.50
			1@1	CP_QAM16	20.36	20.48	20.69
			1@22	CP_QAM16	20.78	20.78	20.75
			12@6	CP_QAM64	18.94	19.00	19.14
			1@1	CP_QAM64	18.18	19.08	19.26
			1@22	CP_QAM64	18.51	19.33	19.25
			12@6	CP_QAM256	15.84	15.97	16.01
			1@1	CP_QAM256	15.32	15.55	15.81
			1@22	CP_QAM256	15.74	15.85	15.79

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
					166800	167300	167800
	(KHz)	(MHz)			834MHz	836.5MHz	839MHz
n5	30	20	12@6	DFT_BPSK	22.43	22.56	22.60
			1@1	DFT_BPSK	22.17	22.01	22.13
			1@22	DFT_BPSK	22.49	22.41	22.46
			12@6	DFT_QPSK	22.45	22.54	22.61
			1@1	DFT_QPSK	22.06	22.02	22.04
			1@22	DFT_QPSK	22.48	22.34	22.31
			12@6	DFT_QAM16	21.48	21.56	21.72
			1@1	DFT_QAM16	21.43	21.62	21.71
			1@22	DFT_QAM16	21.71	21.95	21.91
			12@6	DFT_QAM64	20.07	19.99	20.20
			1@1	DFT_QAM64	19.80	19.71	19.97
			1@22	DFT_QAM64	20.33	20.06	20.01
			12@6	DFT_QAM256	18.09	18.16	18.19
			1@1	DFT_QAM256	17.93	17.70	17.77
			1@22	DFT_QAM256	18.27	18.30	18.25
			12@6	CP_QPSK	20.90	20.95	21.05
			1@1	CP_QPSK	20.72	20.82	20.79
			1@22	CP_QPSK	21.18	21.09	21.07
			12@6	CP_QAM16	20.48	20.46	20.55
			1@1	CP_QAM16	20.28	20.34	20.48
			1@22	CP_QAM16	20.69	20.64	20.73
			12@6	CP_QAM64	19.01	19.13	19.14
			1@1	CP_QAM64	18.90	18.92	19.10
			1@22	CP_QAM64	19.33	19.24	19.40
			12@6	CP_QAM256	15.87	16.05	16.15
			1@1	CP_QAM256	15.48	15.39	15.55
			1@22	CP_QAM256	15.75	15.75	15.79

NR n41 part

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					508002	519000	529998
					2540.01MHz	2595MHz	2649.99MHz
n41	30	10	12@6	DFT_BPSK	24.83	25.27	25.24
			1@1	DFT_BPSK	24.79	25.14	25.25
			1@22	DFT_BPSK	24.74	25.21	25.17
			12@6	DFT_QPSK	24.81	25.31	25.26
			1@1	DFT_QPSK	24.80	25.07	25.21
			1@22	DFT_QPSK	23.95	25.09	25.14
			12@6	DFT_QAM16	23.89	24.37	24.20
			1@1	DFT_QAM16	23.79	24.10	24.16
			1@22	DFT_QAM16	23.64	24.54	24.12
			12@6	DFT_QAM64	22.49	22.93	22.88
			1@1	DFT_QAM64	22.44	22.76	22.77
			1@22	DFT_QAM64	22.35	22.76	22.74
			12@6	DFT_QAM256	20.50	20.83	20.81
			1@1	DFT_QAM256	20.64	20.86	20.92
			1@22	DFT_QAM256	20.59	21.18	20.97
			12@6	CP_QPSK	23.38	23.81	23.74
			1@1	CP_QPSK	23.30	23.62	23.66
			1@22	CP_QPSK	23.17	23.61	23.55
			12@6	CP_QAM16	22.93	23.19	23.34
			1@1	CP_QAM16	22.82	23.42	23.04
			1@22	CP_QAM16	23.09	23.48	23.39
			12@6	CP_QAM64	21.42	21.81	21.85
			1@1	CP_QAM64	21.72	21.88	21.84
			1@22	CP_QAM64	21.50	21.93	21.87
			12@6	CP_QAM256	18.58	18.97	18.91
			1@1	CP_QAM256	19.08	19.28	19.31
			1@22	CP_QAM256	18.96	19.37	19.00

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
					508500	519000	529500
	(KHz)	(MHz)			2542.5MHz	2595MHz	2647.5MHz
n41	30	15	18@9	DFT_BPSK	24.86	25.19	25.19
			1@1	DFT_BPSK	24.86	25.07	25.10
			1@36	DFT_BPSK	24.79	25.12	25.17
			18@9	DFT_QPSK	24.84	25.19	25.23
			1@1	DFT_QPSK	24.81	24.93	24.94
			1@36	DFT_QPSK	24.71	24.99	24.95
			18@9	DFT_QAM16	23.83	24.14	24.11
			1@1	DFT_QAM16	23.77	23.95	23.96
			1@36	DFT_QAM16	23.63	24.56	23.98
			18@9	DFT_QAM64	22.47	22.73	22.72
			1@1	DFT_QAM64	22.38	22.67	22.83
			1@36	DFT_QAM64	22.31	22.80	22.86
			18@9	DFT_QAM256	20.44	20.81	20.71
			1@1	DFT_QAM256	20.69	20.64	20.69
			1@36	DFT_QAM256	20.35	20.87	21.08
			19@9	CP_QPSK	23.43	23.71	23.66
			1@1	CP_QPSK	23.24	23.47	23.35
			1@36	CP_QPSK	23.08	23.61	23.40
			19@9	CP_QAM16	22.87	22.26	23.28
			1@1	CP_QAM16	22.81	22.96	23.22
			1@36	CP_QAM16	21.98	23.06	23.49
			19@9	CP_QAM64	21.37	21.80	21.69
			1@1	CP_QAM64	21.64	21.71	21.52
			1@36	CP_QAM64	21.43	22.00	21.65
			19@9	CP_QAM256	18.69	19.09	19.06
			1@1	CP_QAM256	18.83	19.07	19.10
			1@36	CP_QAM256	18.69	19.19	18.76

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
					509004	519000	528996
	(KHz)	(MHz)			2545.02MHz	2595MHz	2644.98MHz
n41	30	20	25@12	DFT_BPSK	24.85	25.20	25.20
			1@1	DFT_BPSK	24.80	24.95	25.00
			1@49	DFT_BPSK	24.70	25.15	25.06
			25@12	DFT_QPSK	24.85	25.23	25.22
			1@1	DFT_QPSK	24.61	24.78	24.88
			1@49	DFT_QPSK	24.54	24.97	24.88
			25@12	DFT_QAM16	23.85	24.27	24.34
			1@1	DFT_QAM16	23.64	23.95	24.33
			1@49	DFT_QAM16	23.53	24.43	24.32
			25@12	DFT_QAM64	22.46	22.78	22.88
			1@1	DFT_QAM64	22.18	22.41	22.69
			1@49	DFT_QAM64	22.44	22.55	22.50
			25@12	DFT_QAM256	20.46	20.79	20.80
			1@1	DFT_QAM256	20.38	20.49	20.98
			1@49	DFT_QAM256	20.27	21.16	21.05
			25@12	CP_QPSK	23.23	23.73	23.67
			1@1	CP_QPSK	23.08	23.25	23.02
			1@49	CP_QPSK	22.98	23.43	23.42
			25@12	CP_QAM16	22.83	23.12	23.18
			1@1	CP_QAM16	23.22	23.14	23.30
			1@49	CP_QAM16	22.74	23.39	22.97
			25@12	CP_QAM64	21.35	21.72	21.82
			1@1	CP_QAM64	21.64	21.81	21.49
			1@49	CP_QAM64	21.61	21.84	21.62
			25@12	CP_QAM256	18.52	18.99	18.91
			1@1	CP_QAM256	18.54	19.01	18.75
			1@49	CP_QAM256	18.96	19.05	18.81

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					509004	519000	528000
					2545.02MHz	2595MHz	2640MHz
n41	30	30	36@18	DFT_BPSK	24.88	25.30	25.31
			1@1	DFT_BPSK	24.69	24.78	24.90
			1@76	DFT_BPSK	24.87	25.00	24.87
			36@18	DFT_QPSK	24.82	25.28	25.27
			1@1	DFT_QPSK	24.49	24.78	24.64
			1@76	DFT_QPSK	24.76	24.94	24.81
			36@18	DFT_QAM16	23.91	24.29	24.23
			1@1	DFT_QAM16	23.95	23.68	24.21
			1@76	DFT_QAM16	23.77	24.25	24.33
			36@18	DFT_QAM64	22.28	22.77	22.78
			1@1	DFT_QAM64	22.04	22.28	22.88
			1@76	DFT_QAM64	22.20	22.59	22.87
			36@18	DFT_QAM256	20.45	20.94	20.78
			1@1	DFT_QAM256	20.00	20.34	20.36
			1@76	DFT_QAM256	20.73	20.87	20.43
			39@19	CP_QPSK	23.28	23.73	23.70
			1@1	CP_QPSK	22.97	23.19	23.24
			1@76	CP_QPSK	23.15	23.44	23.39
			39@19	CP_QAM16	22.72	23.38	23.25
			1@1	CP_QAM16	22.86	23.00	23.14
			1@76	CP_QAM16	23.04	23.25	22.88
			39@19	CP_QAM64	21.38	21.79	21.77
			1@1	CP_QAM64	21.49	21.50	21.80
			1@76	CP_QAM64	21.70	21.80	21.82
			39@19	CP_QAM256	18.54	19.02	18.98
			1@1	CP_QAM256	18.66	18.60	18.87
			1@76	CP_QAM256	18.57	19.03	18.87

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					511002	519000	526998
					2555.01MHz	2595MHz	2634.99MHz
n41	30	40	50@25	DFT_BPSK	24.95	25.27	25.21
			1@1	DFT_BPSK	24.37	24.55	24.76
			1@104	DFT_BPSK	24.65	24.76	24.78
			50@25	DFT_QPSK	24.93	25.20	25.18
			1@1	DFT_QPSK	24.32	24.36	24.57
			1@104	DFT_QPSK	24.51	24.63	24.54
			50@25	DFT_QAM16	23.97	24.32	24.21
			1@1	DFT_QAM16	23.84	23.50	23.52
			1@104	DFT_QAM16	23.99	23.64	23.59
			50@25	DFT_QAM64	22.47	22.79	22.64
			1@1	DFT_QAM64	22.43	22.01	22.06
			1@104	DFT_QAM64	22.61	22.50	22.49
			50@25	DFT_QAM256	20.57	20.85	20.83
			1@1	DFT_QAM256	20.33	20.20	20.64
			1@104	DFT_QAM256	20.21	20.39	20.73
			53@26	CP_QPSK	23.44	23.67	23.65
			1@1	CP_QPSK	23.01	23.02	22.94
			1@104	CP_QPSK	23.12	23.18	23.03
			53@26	CP_QAM16	22.88	23.19	23.22
			1@1	CP_QAM16	22.73	23.01	23.11
			1@104	CP_QAM16	22.54	23.18	23.10
			53@26	CP_QAM64	21.45	21.81	21.74
			1@1	CP_QAM64	21.33	21.10	21.73
			1@104	CP_QAM64	21.59	21.35	21.65
			53@26	CP_QAM256	18.68	18.99	18.98
			1@1	CP_QAM256	18.68	18.61	18.78
			1@104	CP_QAM256	18.88	18.73	18.47

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					512004	519000	525996
					2560.02MHz	2595MHz	2629.98MHz
n41	30	50	64@32	DFT_BPSK	25.04	25.35	25.22
			1@1	DFT_BPSK	24.81	24.89	24.97
			1@131	DFT_BPSK	24.88	24.91	25.01
			64@32	DFT_QPSK	25.01	25.39	25.23
			1@1	DFT_QPSK	24.62	24.76	24.93
			1@131	DFT_QPSK	24.68	24.83	24.78
			64@32	DFT_QAM16	24.08	24.34	24.26
			1@1	DFT_QAM16	23.56	23.80	23.92
			1@131	DFT_QAM16	23.74	23.84	23.84
			64@32	DFT_QAM64	22.49	22.92	22.77
			1@1	DFT_QAM64	22.43	22.63	22.74
			1@131	DFT_QAM64	22.22	22.71	22.75
			64@32	DFT_QAM256	20.68	20.91	20.83
			1@1	DFT_QAM256	20.57	20.47	20.93
			1@131	DFT_QAM256	20.41	20.96	20.53
			67@33	CP_QPSK	23.46	23.71	23.66
			1@1	CP_QPSK	23.10	23.34	23.37
			1@131	CP_QPSK	23.15	23.38	23.31
			67@33	CP_QAM16	23.00	23.17	23.21
			1@1	CP_QAM16	23.53	23.40	23.04
			1@131	CP_QAM16	23.33	23.35	23.40
			67@33	CP_QAM64	21.55	21.75	21.76
			1@1	CP_QAM64	21.16	21.76	21.57
			1@131	CP_QAM64	21.37	21.92	21.58
			67@33	CP_QAM256	18.76	19.01	18.93
			1@1	CP_QAM256	18.65	18.69	19.04
			1@131	CP_QAM256	18.87	19.01	18.74

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					513000	519000	525000
					2565MHz	2595MHz	2625MHz
n41	30	60	81@40	DFT_BPSK	25.05	25.32	25.30
			1@1	DFT_BPSK	24.64	24.78	25.00
			1@160	DFT_BPSK	24.95	24.68	24.81
			81@40	DFT_QPSK	25.12	25.32	25.21
			1@1	DFT_QPSK	24.56	24.71	24.92
			1@160	DFT_QPSK	24.92	24.69	24.70
			81@40	DFT_QAM16	24.16	24.32	24.27
			1@1	DFT_QAM16	23.53	24.19	23.86
			1@160	DFT_QAM16	23.88	24.12	24.22
			81@40	DFT_QAM64	22.68	22.94	22.86
			1@1	DFT_QAM64	22.28	22.40	22.48
			1@160	DFT_QAM64	22.65	22.29	22.39
			81@40	DFT_QAM256	20.65	20.95	20.91
			1@1	DFT_QAM256	19.96	20.70	20.85
			1@160	DFT_QAM256	20.94	20.63	20.45
			81@40	CP_QPSK	23.55	23.80	23.72
			1@1	CP_QPSK	22.88	23.20	23.44
			1@160	CP_QPSK	23.30	23.46	23.30
			81@40	CP_QAM16	24.22	23.24	23.33
			1@1	CP_QAM16	22.78	23.05	23.34
			1@160	CP_QAM16	23.21	22.77	23.26
			81@40	CP_QAM64	21.54	21.81	21.79
			1@1	CP_QAM64	21.45	21.35	21.92
			1@160	CP_QAM64	21.84	21.68	21.73
			81@40	CP_QAM256	18.83	19.04	19.01
			1@1	CP_QAM256	18.41	18.61	18.82
			1@160	CP_QAM256	18.86	18.56	18.61

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					515004	519000	522996
					2575.02MHz	2595MHz	2614.95MHz
n41	30	80	108@54	DFT_BPSK	25.28	25.32	25.36
			1@1	DFT_BPSK	24.46	24.47	24.71
			1@215	DFT_BPSK	24.75	24.79	24.74
			108@54	DFT_QPSK	25.16	25.31	25.30
			1@1	DFT_QPSK	24.31	24.34	24.48
			1@215	DFT_QPSK	24.58	24.59	24.58
			108@54	DFT_QAM16	24.28	24.29	24.29
			1@1	DFT_QAM16	23.90	23.34	23.47
			1@215	DFT_QAM16	24.11	23.56	24.14
			108@54	DFT_QAM64	22.79	22.85	22.83
			1@1	DFT_QAM64	22.03	21.85	22.52
			1@215	DFT_QAM64	22.43	22.36	22.76
			108@54	DFT_QAM256	20.75	20.88	20.92
			1@1	DFT_QAM256	20.26	20.29	20.50
			1@215	DFT_QAM256	20.51	19.97	20.11
			109@54	CP_QPSK	23.73	23.76	23.82
			1@1	CP_QPSK	23.00	22.84	23.38
			1@215	CP_QPSK	23.24	23.11	23.44
			109@54	CP_QAM16	23.15	23.31	23.27
			1@1	CP_QAM16	22.88	22.98	23.07
			1@215	CP_QAM16	22.32	22.16	22.97
			109@54	CP_QAM64	21.73	21.81	21.76
			1@1	CP_QAM64	21.24	20.88	21.13
			1@215	CP_QAM64	21.47	21.11	21.28
			109@54	CP_QAM256	18.85	19.01	19.06
			1@1	CP_QAM256	18.29	18.30	18.47
			1@215	CP_QAM256	18.50	18.61	18.82

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					516000	519000	522000
					2580MHz	2595MHz	2610MHz
n41	30	90	120@60	DFT_BPSK	25.21	25.30	25.28
			1@1	DFT_BPSK	24.36	24.32	24.49
			1@243	DFT_BPSK	24.44	24.65	24.67
			120@60	DFT_QPSK	25.20	25.24	25.27
			1@1	DFT_QPSK	24.27	24.17	24.37
			1@243	DFT_QPSK	24.38	24.43	24.48
			120@60	DFT_QAM16	24.22	24.32	24.23
			1@1	DFT_QAM16	23.76	23.14	23.44
			1@243	DFT_QAM16	23.35	23.43	23.98
			120@60	DFT_QAM64	22.73	22.78	22.82
			1@1	DFT_QAM64	22.28	22.00	22.41
			1@243	DFT_QAM64	22.39	21.97	22.49
			120@60	DFT_QAM256	20.78	20.92	20.74
			1@1	DFT_QAM256	19.79	20.15	20.34
			1@243	DFT_QAM256	19.90	20.47	20.01
			123@61	CP_QPSK	23.71	23.74	23.72
			1@1	CP_QPSK	22.86	22.60	23.03
			1@243	CP_QPSK	23.01	22.89	23.00
			123@61	CP_QAM16	23.16	22.71	23.22
			1@1	CP_QAM16	22.82	22.71	22.47
			1@243	CP_QAM16	22.40	22.97	22.63
			123@61	CP_QAM64	21.63	21.76	21.67
			1@1	CP_QAM64	20.70	20.73	21.40
			1@243	CP_QAM64	20.91	21.26	21.42
			123@61	CP_QAM256	18.83	18.89	18.85
			1@1	CP_QAM256	18.39	18.14	18.38
			1@243	CP_QAM256	18.24	18.39	18.47

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					517002	519000	520998
					2585.01MHz	2595MHz	2604.99MHz
n41	30	100	135@67	DFT_BPSK	25.21	25.30	25.26
			1@1	DFT_BPSK	24.14	24.12	24.14
			1@271	DFT_BPSK	24.37	24.48	24.52
			135@67	DFT_QPSK	25.21	25.25	25.23
			1@1	DFT_QPSK	24.12	23.91	24.01
			1@271	DFT_QPSK	24.40	24.26	24.21
			135@67	DFT_QAM16	24.25	24.23	24.27
			1@1	DFT_QAM16	23.42	22.89	23.03
			1@271	DFT_QAM16	23.69	23.37	23.26
			135@67	DFT_QAM64	22.75	22.71	22.78
			1@1	DFT_QAM64	21.72	21.70	21.78
			1@271	DFT_QAM64	21.99	22.16	21.79
			137@68	DFT_QAM256	20.73	20.77	20.83
			1@1	DFT_QAM256	19.41	19.35	19.41
			1@271	DFT_QAM256	19.65	19.77	19.69
			137@68	CP_QPSK	23.67	23.69	23.70
			1@1	CP_QPSK	22.31	22.42	22.37
			1@271	CP_QPSK	22.68	22.80	22.17
			137@68	CP_QAM16	23.16	23.20	23.25
			1@1	CP_QAM16	22.17	22.27	22.54
			1@271	CP_QAM16	22.30	22.74	22.90
			137@68	CP_QAM64	21.72	21.80	21.74
			1@1	CP_QAM64	20.38	20.86	20.47
			1@271	CP_QAM64	20.62	21.10	21.14
			137@68	CP_QAM256	18.82	19.00	18.95
			1@1	CP_QAM256	18.00	18.19	18.04
			1@271	CP_QAM256	18.26	18.29	18.57

NR n66 part

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					343000	349000	355000
					1715MHz	1745MHz	1775MHz
n66	30	10	12@6	DFT_BPSK	21.83	22.06	21.96
			1@1	DFT_BPSK	21.81	21.94	21.93
			1@22	DFT_BPSK	21.68	21.93	21.93
			12@6	DFT_QPSK	21.77	21.99	21.88
			1@1	DFT_QPSK	21.66	21.84	21.76
			1@22	DFT_QPSK	21.60	21.86	21.82
			12@6	DFT_QAM16	20.76	21.03	21.03
			1@1	DFT_QAM16	21.23	21.46	21.31
			1@22	DFT_QAM16	21.11	21.44	21.49
			12@6	DFT_QAM64	19.53	19.76	19.69
			1@1	DFT_QAM64	19.40	19.68	19.62
			1@22	DFT_QAM64	19.37	19.80	19.56
			12@6	DFT_QAM256	17.53	17.75	17.67
			1@1	DFT_QAM256	17.32	17.76	17.74
			1@22	DFT_QAM256	17.27	17.69	17.81
			12@6	CP_QPSK	20.43	20.51	20.35
			1@1	CP_QPSK	20.37	20.57	20.39
			1@22	CP_QPSK	20.38	20.55	20.47
			12@6	CP_QAM16	19.87	20.14	20.04
			1@1	CP_QAM16	20.22	20.26	20.17
			1@22	CP_QAM16	20.11	20.34	20.32
			12@6	CP_QAM64	18.37	18.63	18.56
			1@1	CP_QAM64	18.63	18.85	18.11
			1@22	CP_QAM64	17.95	18.88	18.83
			12@6	CP_QAM256	15.37	15.58	15.42
			1@1	CP_QAM256	15.27	15.42	15.39
			1@22	CP_QAM256	15.20	15.41	15.45

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
	(KHz)	(MHz)			343500	349000	354500
					1717.5MHz	1745MHz	1772.5MHz
n66	30	15	18@9	DFT_BPSK	21.75	22.02	21.92
			1@1	DFT_BPSK	21.66	21.86	21.78
			1@36	DFT_BPSK	21.67	21.90	21.87
			18@9	DFT_QPSK	21.76	22.06	21.90
			1@1	DFT_QPSK	21.60	21.61	21.76
			1@36	DFT_QPSK	21.60	21.77	21.73
			18@9	DFT_QAM16	20.73	21.01	20.95
			1@1	DFT_QAM16	21.20	20.97	21.28
			1@36	DFT_QAM16	21.01	21.36	21.37
			18@9	DFT_QAM64	19.45	19.72	19.62
			1@1	DFT_QAM64	19.43	19.54	19.57
			1@36	DFT_QAM64	19.38	19.77	19.66
			18@9	DFT_QAM256	17.40	17.64	17.45
			1@1	DFT_QAM256	17.60	17.75	17.56
			1@36	DFT_QAM256	17.60	17.46	17.75
			19@9	CP_QPSK	20.39	20.44	20.37
			1@1	CP_QPSK	20.45	20.39	20.38
			1@36	CP_QPSK	20.35	20.42	20.44
			19@9	CP_QAM16	19.91	20.09	20.03
			1@1	CP_QAM16	20.04	20.16	20.17
			1@36	CP_QAM16	20.09	20.26	20.24
			19@9	CP_QAM64	18.41	18.72	18.58
			1@1	CP_QAM64	18.64	18.11	17.98
			1@36	CP_QAM64	18.54	18.16	18.04
			19@9	CP_QAM256	15.25	15.63	15.35
			1@1	CP_QAM256	15.09	15.37	15.19
			1@36	CP_QAM256	15.06	15.46	15.25

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
	(KHz)	(MHz)			344000	349000	354000
					1720MHz	1745MHz	1770MHz
n66	30	20	25@12	DFT_BPSK	21.70	21.99	21.89
			1@1	DFT_BPSK	21.58	21.73	21.81
			1@49	DFT_BPSK	21.57	21.96	21.80
			25@12	DFT_QPSK	21.75	22.01	21.94
			1@1	DFT_QPSK	21.54	21.63	21.75
			1@49	DFT_QPSK	21.45	21.75	21.71
			25@12	DFT_QAM16	20.71	21.00	20.92
			1@1	DFT_QAM16	21.05	20.88	21.27
			1@49	DFT_QAM16	20.98	21.33	21.36
			25@12	DFT_QAM64	19.36	19.63	19.60
			1@1	DFT_QAM64	19.38	19.48	19.62
			1@49	DFT_QAM64	19.28	19.67	19.74
			25@12	DFT_QAM256	17.47	17.72	17.62
			1@1	DFT_QAM256	17.42	17.48	17.51
			1@49	DFT_QAM256	17.50	17.72	17.68
			25@12	CP_QPSK	20.36	20.49	20.38
			1@1	CP_QPSK	20.35	20.37	20.37
			1@49	CP_QPSK	20.34	20.60	20.34
			25@12	CP_QAM16	19.85	20.14	20.07
			1@1	CP_QAM16	19.97	20.17	20.12
			1@49	CP_QAM16	20.09	20.37	20.22
			25@12	CP_QAM64	18.37	18.65	18.55
			1@1	CP_QAM64	17.73	18.66	18.77
			1@49	CP_QAM64	17.74	18.74	18.27
			25@12	CP_QAM256	15.42	15.63	15.56
			1@1	CP_QAM256	15.08	15.18	15.32
			1@49	CP_QAM256	15.08	15.28	15.27

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					346000	349000	352000
					1730MHz	1745MHz	1760MHz
n66	30	40	50@25	DFT_BPSK	21.76	21.95	22.03
			1@1	DFT_BPSK	21.32	21.26	21.51
			1@104	DFT_BPSK	21.65	21.52	21.48
			50@25	DFT_QPSK	21.70	21.95	21.95
			1@1	DFT_QPSK	21.12	21.02	21.29
			1@104	DFT_QPSK	21.37	21.33	21.26
			50@25	DFT_QAM16	20.71	20.95	20.99
			1@1	DFT_QAM16	20.37	20.57	20.62
			1@104	DFT_QAM16	20.68	20.86	20.82
			50@25	DFT_QAM64	19.39	19.57	19.66
			1@1	DFT_QAM64	19.00	18.91	19.30
			1@104	DFT_QAM64	19.27	19.15	19.11
			50@25	DFT_QAM256	17.29	17.59	17.62
			1@1	DFT_QAM256	17.16	16.71	17.44
			1@104	DFT_QAM256	17.46	17.34	16.91
			53@26	CP_QPSK	20.38	20.45	20.47
			1@1	CP_QPSK	20.05	19.74	20.03
			1@104	CP_QPSK	20.20	19.85	19.88
			53@26	CP_QAM16	19.87	20.12	20.14
			1@1	CP_QAM16	19.67	19.61	19.94
			1@104	CP_QAM16	19.89	19.81	19.82
			53@26	CP_QAM64	18.31	18.63	18.67
			1@1	CP_QAM64	18.14	18.01	17.70
			1@104	CP_QAM64	17.71	18.34	17.66
			53@26	CP_QAM256	15.39	15.50	15.66
			1@1	CP_QAM256	14.70	14.63	14.86
			1@104	CP_QAM256	14.98	14.94	14.90

NR n71 part

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					133600	136100	138600
					668MHz	680.5MHz	693MHz
n71	30	10	12@6	DFT_BPSK	22.67	22.84	22.97
			1@1	DFT_BPSK	22.69	22.75	22.81
			1@22	DFT_BPSK	22.64	22.72	22.70
			12@6	DFT_QPSK	22.63	22.80	22.87
			1@1	DFT_QPSK	22.53	22.63	22.70
			1@22	DFT_QPSK	22.58	22.62	22.65
			12@6	DFT_QAM16	21.70	21.86	21.79
			1@1	DFT_QAM16	22.25	21.72	22.32
			1@22	DFT_QAM16	22.32	21.80	22.39
			12@6	DFT_QAM64	20.38	20.39	20.51
			1@1	DFT_QAM64	20.31	20.63	20.44
			1@22	DFT_QAM64	20.31	20.53	20.43
			12@6	DFT_QAM256	18.37	18.48	18.50
			1@1	DFT_QAM256	18.55	18.23	18.58
			1@22	DFT_QAM256	18.60	18.63	18.30
			12@6	CP_QPSK	21.10	21.18	21.30
			1@1	CP_QPSK	21.46	21.21	21.55
			1@22	CP_QPSK	21.39	21.06	21.34
			12@6	CP_QAM16	20.62	20.75	20.83
			1@1	CP_QAM16	20.97	20.91	21.05
			1@22	CP_QAM16	20.93	21.03	21.02
			12@6	CP_QAM64	19.23	19.26	19.32
			1@1	CP_QAM64	19.52	19.60	19.67
			1@22	CP_QAM64	18.66	19.60	19.60
			12@6	CP_QAM256	16.22	16.31	16.25
			1@1	CP_QAM256	15.96	16.05	16.15
			1@22	CP_QAM256	15.93	15.89	16.12

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
					134100	136100	138100
	(KHz)	(MHz)			670.5MHz	680.5MHz	690.5MHz
n71	30	15	18@9	DFT_BPSK	22.61	22.76	22.81
			1@1	DFT_BPSK	22.60	22.68	22.77
			1@36	DFT_BPSK	22.61	22.64	22.72
			18@9	DFT_QPSK	22.57	22.65	22.76
			1@1	DFT_QPSK	22.41	22.48	22.59
			1@36	DFT_QPSK	22.49	22.52	22.54
			18@9	DFT_QAM16	21.60	21.62	21.88
			1@1	DFT_QAM16	21.72	21.78	21.88
			1@36	DFT_QAM16	21.98	22.13	21.85
			18@9	DFT_QAM64	20.28	20.34	20.39
			1@1	DFT_QAM64	20.59	20.27	20.40
			1@36	DFT_QAM64	20.50	20.28	20.29
			18@9	DFT_QAM256	18.25	18.27	18.44
			1@1	DFT_QAM256	18.24	18.42	18.36
			1@36	DFT_QAM256	18.22	18.57	18.11
			19@9	CP_QPSK	21.17	21.31	21.28
			1@1	CP_QPSK	20.98	21.35	21.23
			1@36	CP_QPSK	20.99	21.30	21.23
			19@9	CP_QAM16	20.72	20.62	20.84
			1@1	CP_QAM16	20.95	20.97	21.10
			1@36	CP_QAM16	20.97	20.96	20.92
			19@9	CP_QAM64	19.29	19.28	19.43
			1@1	CP_QAM64	19.42	18.60	19.42
			1@36	CP_QAM64	19.48	18.69	18.80
			19@9	CP_QAM256	16.05	16.16	16.35
			1@1	CP_QAM256	15.92	15.97	16.17
			1@36	CP_QAM256	15.85	16.02	16.08

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					134600	136100	137600
					673MHz	680.5MHz	688MHz
n71	30	20	25@12	DFT_BPSK	22.64	22.69	22.86
			1@1	DFT_BPSK	22.61	22.63	22.69
			1@49	DFT_BPSK	22.61	22.70	22.62
			25@12	DFT_QPSK	22.65	22.68	22.77
			1@1	DFT_QPSK	22.48	22.43	22.54
			1@49	DFT_QPSK	22.39	22.58	22.51
			25@12	DFT_QAM16	21.65	21.71	21.84
			1@1	DFT_QAM16	21.76	22.16	22.23
			1@49	DFT_QAM16	22.03	22.30	22.07
			25@12	DFT_QAM64	20.18	20.40	20.42
			1@1	DFT_QAM64	20.28	20.24	20.32
			1@49	DFT_QAM64	20.20	20.38	20.33
			25@12	DFT_QAM256	18.33	18.48	18.39
			1@1	DFT_QAM256	18.52	18.49	18.57
			1@49	DFT_QAM256	18.53	18.36	18.21
			25@12	CP_QPSK	21.16	21.10	21.29
			1@1	CP_QPSK	21.29	21.12	21.21
			1@49	CP_QPSK	21.26	21.24	21.28
			25@12	CP_QAM16	20.74	20.86	20.93
			1@1	CP_QAM16	20.93	20.78	20.97
			1@49	CP_QAM16	20.90	20.92	20.90
			25@12	CP_QAM64	19.25	19.30	19.37
			1@1	CP_QAM64	19.37	19.46	18.93
			1@49	CP_QAM64	19.40	19.50	19.57
			25@12	CP_QAM256	16.24	16.24	16.34
			1@1	CP_QAM256	15.86	16.07	16.09
			1@49	CP_QAM256	15.92	16.03	16.00

NR n77(3450MHz-3550MHz) part

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					630334	633334	636332
					3455.01MHz	3500.01MHz	3544.98MHz
n77 3450MHz-3550MHz	30	10	12@6	DFT_BPSK	25.01	25.09	24.93
			1@1	DFT_BPSK	24.84	25.00	25.00
			1@22	DFT_BPSK	25.02	24.98	24.78
			12@6	DFT_QPSK	24.95	25.07	24.90
			1@1	DFT_QPSK	24.80	24.91	24.81
			1@22	DFT_QPSK	24.98	24.96	24.69
			12@6	DFT_QAM16	24.10	24.08	23.87
			1@1	DFT_QAM16	24.11	23.99	23.91
			1@22	DFT_QAM16	24.12	24.04	23.26
			12@6	DFT_QAM64	22.52	22.53	22.40
			1@1	DFT_QAM64	22.46	22.84	22.83
			1@22	DFT_QAM64	22.68	22.88	22.57
			12@6	DFT_QAM256	20.50	20.63	20.55
			1@1	DFT_QAM256	20.71	20.45	20.72
			1@22	DFT_QAM256	20.66	20.48	20.48
			12@6	CP_QPSK	23.45	23.56	23.38
			1@1	CP_QPSK	23.24	23.38	23.41
			1@22	CP_QPSK	23.43	23.55	23.17
			12@6	CP_QAM16	23.05	22.95	22.77
			1@1	CP_QAM16	22.92	23.02	23.29
			1@22	CP_QAM16	23.16	23.11	22.75
			12@6	CP_QAM64	21.61	21.64	21.54
			1@1	CP_QAM64	21.83	21.31	21.28
			1@22	CP_QAM64	21.37	21.98	21.17
			12@6	CP_QAM256	18.76	18.62	18.44
			1@1	CP_QAM256	19.02	19.11	19.02
			1@22	CP_QAM256	19.24	18.31	18.80

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
	(KHz)	(MHz)			630500	633334	636166
					3457.5MHz	3500.01MHz	3542.49MHz
n77 3450MHz-3550MHz	30	15	18@9	DFT_BPSK	25.05	25.07	24.96
			1@1	DFT_BPSK	24.88	24.96	24.76
			1@36	DFT_BPSK	25.20	24.83	24.66
			18@9	DFT_QPSK	25.05	25.00	24.92
			1@1	DFT_QPSK	24.73	24.73	24.71
			1@36	DFT_QPSK	25.10	24.71	24.56
			18@9	DFT_QAM16	24.00	24.02	24.00
			1@1	DFT_QAM16	23.46	23.99	23.76
			1@36	DFT_QAM16	24.19	23.75	23.56
			18@9	DFT_QAM64	22.60	22.78	22.58
			1@1	DFT_QAM64	22.62	22.65	22.47
			1@36	DFT_QAM64	23.02	22.73	22.33
			18@9	DFT_QAM256	20.58	20.62	20.48
			1@1	DFT_QAM256	20.33	20.31	20.31
			1@36	DFT_QAM256	20.64	20.45	20.53
			19@9	CP_QPSK	23.56	23.53	23.38
			1@1	CP_QPSK	23.18	23.42	23.20
			1@36	CP_QPSK	23.41	23.36	23.05
			19@9	CP_QAM16	23.07	22.92	23.00
			1@1	CP_QAM16	22.88	22.81	22.74
			1@36	CP_QAM16	23.08	22.98	22.76
			19@9	CP_QAM64	21.46	21.86	21.47
			1@1	CP_QAM64	21.84	21.26	21.21
			1@36	CP_QAM64	22.22	21.39	21.02
			19@9	CP_QAM256	18.80	18.59	18.56
			1@1	CP_QAM256	19.01	19.00	18.08
			1@36	CP_QAM256	19.32	18.98	17.91

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
					630668	633334	636000
	(KHz)	(MHz)			3460.02MHz	3500.01MHz	3540MHz
n77 3450MHz-3550MHz	30	20	25@12	DFT_BPSK	25.14	25.09	25.02
			1@1	DFT_BPSK	24.81	24.72	24.60
			1@49	DFT_BPSK	25.18	24.80	24.68
			25@12	DFT_QPSK	25.11	25.12	24.99
			1@1	DFT_QPSK	24.68	24.75	24.49
			1@49	DFT_QPSK	24.87	24.87	24.60
			25@12	DFT_QAM16	24.12	24.15	24.03
			1@1	DFT_QAM16	23.93	23.80	23.63
			1@49	DFT_QAM16	24.22	23.27	23.19
			25@12	DFT_QAM64	22.70	22.63	22.60
			1@1	DFT_QAM64	22.53	22.29	22.38
			1@49	DFT_QAM64	22.75	22.33	22.20
			25@12	DFT_QAM256	20.71	20.59	20.46
			1@1	DFT_QAM256	20.33	20.65	20.10
			1@49	DFT_QAM256	20.88	20.60	20.15
			25@12	CP_QPSK	23.55	23.51	23.42
			1@1	CP_QPSK	23.15	23.31	23.15
			1@49	CP_QPSK	23.42	23.28	23.12
			25@12	CP_QAM16	23.15	23.08	22.93
			1@1	CP_QAM16	22.68	22.84	22.95
			1@49	CP_QAM16	23.13	22.81	22.68
			25@12	CP_QAM64	21.65	21.53	21.57
			1@1	CP_QAM64	21.12	21.19	21.05
			1@49	CP_QAM64	22.14	21.11	20.90
			25@12	CP_QAM256	18.74	18.61	18.55
			1@1	CP_QAM256	18.15	18.09	18.70
			1@49	CP_QAM256	18.39	18.80	18.64

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					631000	633334	635666
					3465MHz	3500.01MHz	3534.99MHz
n77 3450MHz-3550MHz	30	30	36@18	DFT_BPSK	25.24	25.02	24.79
			1@1	DFT_BPSK	24.74	24.51	24.29
			1@76	DFT_BPSK	24.74	24.53	24.58
			36@18	DFT_QPSK	25.23	25.07	24.80
			1@1	DFT_QPSK	24.55	24.35	24.11
			1@76	DFT_QPSK	24.48	24.21	24.45
			36@18	DFT_QAM16	24.20	24.06	23.85
			1@1	DFT_QAM16	23.17	23.73	23.31
			1@76	DFT_QAM16	23.35	23.58	23.65
			36@18	DFT_QAM64	22.75	22.58	22.35
			1@1	DFT_QAM64	22.43	22.12	21.92
			1@76	DFT_QAM64	22.44	22.09	22.10
			36@18	DFT_QAM256	20.75	20.56	20.38
			1@1	DFT_QAM256	20.53	19.97	20.11
			1@76	DFT_QAM256	20.52	19.96	19.98
			39@19	CP_QPSK	23.70	23.56	23.36
			1@1	CP_QPSK	23.22	23.86	22.85
			1@76	CP_QPSK	23.15	22.93	23.06
			39@19	CP_QAM16	23.31	23.10	22.89
			1@1	CP_QAM16	23.01	22.62	22.51
			1@76	CP_QAM16	23.00	22.60	22.68
			39@19	CP_QAM64	21.74	21.64	21.42
			1@1	CP_QAM64	21.07	21.00	20.74
			1@76	CP_QAM64	21.09	21.58	20.93
			39@19	CP_QAM256	18.94	18.64	18.46
			1@1	CP_QAM256	18.82	17.92	17.57
			1@76	CP_QAM256	18.16	18.57	18.55

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					631334	633334	635332
					3470.01MHz	3500.01MHz	3529.98MHz
n77 3450MHz-3550MHz	30	40	50@25	DFT_BPSK	25.22	25.05	24.72
			1@1	DFT_BPSK	24.46	24.38	24.37
			1@104	DFT_BPSK	24.30	24.22	24.28
			50@25	DFT_QPSK	25.14	25.00	24.67
			1@1	DFT_QPSK	24.28	24.20	24.28
			1@104	DFT_QPSK	24.41	23.99	24.30
			50@25	DFT_QAM16	24.22	24.00	23.74
			1@1	DFT_QAM16	23.52	23.39	23.27
			1@104	DFT_QAM16	23.59	23.18	22.80
			50@25	DFT_QAM64	22.75	22.51	22.27
			1@1	DFT_QAM64	22.28	22.21	21.89
			1@104	DFT_QAM64	22.16	21.96	21.88
			50@25	DFT_QAM256	20.69	20.54	20.19
			1@1	DFT_QAM256	19.93	19.84	20.14
			1@104	DFT_QAM256	19.80	19.63	19.74
			53@26	CP_QPSK	23.60	23.49	23.26
			1@1	CP_QPSK	22.89	22.92	22.64
			1@104	CP_QPSK	22.71	22.42	22.60
			53@26	CP_QAM16	23.20	22.99	22.77
			1@1	CP_QAM16	22.58	22.45	22.35
			1@104	CP_QAM16	22.47	22.18	22.41
			53@26	CP_QAM64	21.70	21.49	21.32
			1@1	CP_QAM64	20.81	20.81	20.84
			1@104	CP_QAM64	20.72	20.53	20.56
			53@26	CP_QAM256	18.88	18.56	18.32
			1@1	CP_QAM256	17.82	17.85	18.34
			1@104	CP_QAM256	18.47	17.47	18.35

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					631668	633334	635000
					3475.02MHz	3500.01MHz	3525MHz
n77 3450MHz-3550MHz	30	50	64@32	DFT_BPSK	25.12	25.08	24.77
			1@1	DFT_BPSK	24.72	24.79	24.96
			1@131	DFT_BPSK	24.91	24.34	24.61
			64@32	DFT_QPSK	25.09	25.03	24.78
			1@1	DFT_QPSK	24.61	24.65	24.77
			1@131	DFT_QPSK	24.73	24.27	24.43
			64@32	DFT_QAM16	24.11	24.09	23.66
			1@1	DFT_QAM16	23.83	23.97	23.92
			1@131	DFT_QAM16	24.00	23.44	23.61
			64@32	DFT_QAM64	22.65	22.61	22.25
			1@1	DFT_QAM64	22.55	22.54	22.70
			1@131	DFT_QAM64	22.68	22.04	22.35
			64@32	DFT_QAM256	20.70	20.63	20.32
			1@1	DFT_QAM256	20.23	20.28	20.61
			1@131	DFT_QAM256	20.36	19.85	20.07
			67@33	CP_QPSK	23.57	23.52	23.20
			1@1	CP_QPSK	23.26	23.16	23.36
			1@131	CP_QPSK	23.37	22.86	22.88
			67@33	CP_QAM16	23.09	23.03	22.73
			1@1	CP_QAM16	22.98	22.94	23.02
			1@131	CP_QAM16	22.99	22.56	22.71
			67@33	CP_QAM64	21.62	21.58	21.26
			1@1	CP_QAM64	21.11	21.28	21.36
			1@131	CP_QAM64	21.19	21.43	20.97
			67@33	CP_QAM256	18.70	18.60	18.27
			1@1	CP_QAM256	18.14	19.02	18.91
			1@131	CP_QAM256	18.91	18.34	17.91

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					632000	633334	634666
					3480MHz	3500.01MHz	3519.99MHz
n77 3450MHz-3550MHz	30	60	81@40	DFT_BPSK	24.95	24.99	24.66
			1@1	DFT_BPSK	24.58	24.72	24.52
			1@160	DFT_BPSK	24.51	24.25	24.42
			81@40	DFT_QPSK	24.94	24.91	24.71
			1@1	DFT_QPSK	24.34	24.59	24.35
			1@160	DFT_QPSK	24.28	24.09	24.19
			81@40	DFT_QAM16	23.94	23.91	23.69
			1@1	DFT_QAM16	23.29	23.64	23.35
			1@160	DFT_QAM16	23.31	23.13	23.17
			81@40	DFT_QAM64	22.45	22.52	22.24
			1@1	DFT_QAM64	22.19	22.24	22.19
			1@160	DFT_QAM64	22.21	21.99	22.07
			81@40	DFT_QAM256	20.48	20.49	20.21
			1@1	DFT_QAM256	20.24	20.50	20.28
			1@160	DFT_QAM256	20.15	19.54	19.67
			81@40	CP_QPSK	23.42	23.37	23.12
			1@1	CP_QPSK	22.90	23.39	23.05
			1@160	CP_QPSK	22.83	22.87	22.88
			81@40	CP_QAM16	22.90	22.85	22.69
			1@1	CP_QAM16	22.53	22.75	22.47
			1@160	CP_QAM16	22.49	22.67	22.34
			81@40	CP_QAM64	21.66	21.48	21.17
			1@1	CP_QAM64	20.86	21.31	20.99
			1@160	CP_QAM64	20.91	20.66	21.04
			81@40	CP_QAM256	18.65	18.50	18.24
			1@1	CP_QAM256	18.59	18.77	18.42
			1@160	CP_QAM256	18.00	18.07	18.29

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					632668	633334	634000
					3490.02MHz	3500.01MHz	3510MHz
n77 3450MHz-3550MHz	30	80	108@54	DFT_BPSK	24.97	24.89	24.86
			1@1	DFT_BPSK	24.39	24.56	24.59
			1@215	DFT_BPSK	24.06	24.39	24.20
			108@54	DFT_QPSK	24.93	24.90	24.81
			1@1	DFT_QPSK	24.09	24.60	24.55
			1@215	DFT_QPSK	23.93	24.27	24.13
			108@54	DFT_QAM16	23.92	23.85	23.83
			1@1	DFT_QAM16	23.20	23.85	23.79
			1@215	DFT_QAM16	23.05	23.58	23.44
			108@54	DFT_QAM64	22.46	22.42	22.34
			1@1	DFT_QAM64	21.87	22.37	22.28
			1@215	DFT_QAM64	21.62	22.07	21.89
			108@54	DFT_QAM256	20.45	20.34	20.32
			1@1	DFT_QAM256	19.64	20.39	20.42
			1@215	DFT_QAM256	19.41	19.65	19.95
			109@54	CP_QPSK	23.43	23.34	23.28
			1@1	CP_QPSK	22.99	22.95	22.88
			1@215	CP_QPSK	22.75	22.65	22.49
			109@54	CP_QAM16	22.94	22.85	22.78
			1@1	CP_QAM16	22.27	22.78	22.75
			1@215	CP_QAM16	22.23	22.52	22.28
			109@54	CP_QAM64	21.53	21.49	21.35
			1@1	CP_QAM64	20.49	20.79	20.79
			1@215	CP_QAM64	20.19	20.60	20.41
			109@54	CP_QAM256	18.50	18.43	18.34
			1@1	CP_QAM256	18.47	18.86	18.70
			1@215	CP_QAM256	17.96	18.27	18.10

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					633000	633334	633666
					3495MHz	3500.01MHz	3504.99MHz
n77 3450MHz-3550MHz	30	90	120@60	DFT_BPSK	24.84	24.88	24.82
			1@1	DFT_BPSK	24.20	24.35	24.48
			1@243	DFT_BPSK	24.30	24.21	24.11
			120@60	DFT_QPSK	24.90	24.86	24.80
			1@1	DFT_QPSK	24.07	24.23	24.46
			1@243	DFT_QPSK	24.12	24.16	24.09
			120@60	DFT_QAM16	23.87	23.82	23.73
			1@1	DFT_QAM16	23.22	23.43	23.71
			1@243	DFT_QAM16	23.64	23.34	22.98
			120@60	DFT_QAM64	22.44	22.40	22.29
			1@1	DFT_QAM64	21.74	21.98	22.01
			1@243	DFT_QAM64	21.94	21.94	21.77
			120@60	DFT_QAM256	20.35	20.29	20.27
			1@1	DFT_QAM256	19.97	20.05	19.75
			1@243	DFT_QAM256	20.02	19.96	19.80
			123@61	CP_QPSK	23.38	23.31	23.20
			1@1	CP_QPSK	22.43	22.64	23.09
			1@243	CP_QPSK	22.56	22.53	22.48
			123@61	CP_QAM16	22.75	22.72	22.75
			1@1	CP_QAM16	22.28	22.49	22.75
			1@243	CP_QAM16	22.32	22.52	22.38
			123@61	CP_QAM64	21.36	21.29	21.25
			1@1	CP_QAM64	20.40	21.08	21.10
			1@243	CP_QAM64	20.46	20.88	20.77
			123@61	CP_QAM256	18.35	18.33	18.22
			1@1	CP_QAM256	18.40	18.62	18.69
			1@243	CP_QAM256	18.04	18.01	18.01

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
						633334	
						3500.01MHz	
n77 3450MHz-3550MHz	30	100	135@67	DFT_BPSK		24.73	
			1@1	DFT_BPSK		**24.03**	
			1@271	DFT_BPSK		23.89	
			135@67	DFT_QPSK		24.72	
			1@1	DFT_QPSK		23.94	
			1@271	DFT_QPSK		23.85	
			135@67	DFT_QAM16		23.77	
			1@1	DFT_QAM16		23.24	
			1@271	DFT_QAM16		23.12	
			135@67	DFT_QAM64		22.28	
			1@1	DFT_QAM64		21.70	
			1@271	DFT_QAM64		21.57	
			135@67	DFT_QAM256		20.31	
			1@1	DFT_QAM256		19.73	
			1@271	DFT_QAM256		19.63	
			137@68	CP_QPSK		23.26	
			1@1	CP_QPSK		22.58	
			1@271	CP_QPSK		22.24	
			137@68	CP_QAM16		22.74	
			1@1	CP_QAM16		22.21	
			1@271	CP_QAM16		22.18	
			137@68	CP_QAM64		21.30	
			1@1	CP_QAM64		20.60	
			1@271	CP_QAM64		20.47	
			137@68	CP_QAM256		18.33	
			1@1	CP_QAM256		18.24	
			1@271	CP_QAM256		17.69	

NR n77(3700MHz-3980MHz) part

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
	(KHz)	(MHz)			647000	656000	665000
					3705.6MHz	3840MHz	3975MHz
n77 3700MHz-3980MHz	30	10	12@6	DFT_BPSK	24.84	25.64	25.17
			1@1	DFT_BPSK	24.61	25.55	25.05
			1@22	DFT_BPSK	24.86	25.54	25.22
			12@6	DFT_QPSK	24.80	25.60	25.16
			1@1	DFT_QPSK	24.55	25.38	24.93
			1@22	DFT_QPSK	24.74	25.44	25.01
			12@6	DFT_QAM16	23.78	24.72	24.13
			1@1	DFT_QAM16	23.63	24.50	23.99
			1@22	DFT_QAM16	23.69	24.51	24.20
			12@6	DFT_QAM64	22.49	23.28	22.82
			1@1	DFT_QAM64	22.25	23.15	22.70
			1@22	DFT_QAM64	22.41	23.16	22.68
			12@6	DFT_QAM256	20.39	21.19	20.78
			1@1	DFT_QAM256	20.36	21.25	20.78
			1@22	DFT_QAM256	20.81	21.50	20.89
			12@6	CP_QPSK	23.36	24.19	23.68
			1@1	CP_QPSK	23.20	23.98	23.58
			1@22	CP_QPSK	23.26	24.01	23.68
			12@6	CP_QAM16	22.84	23.58	23.23
			1@1	CP_QAM16	23.05	23.71	23.60
			1@22	CP_QAM16	22.94	24.08	23.37
			12@6	CP_QAM64	21.29	22.12	21.62
			1@1	CP_QAM64	21.45	22.35	22.01
			1@22	CP_QAM64	21.77	22.39	22.08
			12@6	CP_QAM256	18.49	19.07	18.72
			1@1	CP_QAM256	18.23	19.16	18.95
			1@22	CP_QAM256	18.63	19.44	18.68

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
					647168	656000	664832
	(KHz)	(MHz)			3707.52MHz	3840MHz	3972.48MHz
n77 3700MHz-3980MHz	30	15	18@9	DFT_BPSK	24.88	25.61	25.16
			1@1	DFT_BPSK	24.61	25.51	25.10
			1@36	DFT_BPSK	24.96	25.57	25.15
			18@9	DFT_QPSK	24.87	25.62	25.14
			1@1	DFT_QPSK	24.53	25.35	24.90
			1@36	DFT_QPSK	24.85	25.51	25.03
			18@9	DFT_QAM16	23.92	24.63	24.17
			1@1	DFT_QAM16	23.56	24.54	24.03
			1@36	DFT_QAM16	23.86	24.79	23.97
			18@9	DFT_QAM64	22.53	23.20	22.76
			1@1	DFT_QAM64	22.26	22.96	22.68
			1@36	DFT_QAM64	22.57	23.02	22.59
			18@9	DFT_QAM256	20.43	21.13	20.74
			1@1	DFT_QAM256	20.54	21.29	20.74
			1@36	DFT_QAM256	20.89	21.37	20.90
			19@9	CP_QPSK	23.41	24.02	23.64
			1@1	CP_QPSK	23.07	23.92	23.55
			1@36	CP_QPSK	23.37	24.01	23.56
			19@9	CP_QAM16	22.82	23.60	23.07
			1@1	CP_QAM16	22.76	23.94	23.59
			1@36	CP_QAM16	23.21	24.07	23.37
			19@9	CP_QAM64	21.33	22.20	21.77
			1@1	CP_QAM64	21.58	22.10	21.74
			1@36	CP_QAM64	21.82	22.20	21.68
			19@9	CP_QAM256	18.43	19.09	18.68
			1@1	CP_QAM256	18.20	19.03	18.93
			1@36	CP_QAM256	18.55	19.05	18.59

NR Band	SCS	Bandwidth	RB Allocation	Modulation	Average Power (dBm)		
	(KHz)	(MHz)			647334	656000	664666
					3710.01MHz	3840MHz	3969.99MHz
n77 3700MHz-3980MHz	30	20	25@12	DFT_BPSK	25.01	25.63	25.17
			1@1	DFT_BPSK	24.67	25.47	25.16
			1@49	DFT_BPSK	25.00	25.58	25.11
			25@12	DFT_QPSK	24.95	25.63	25.09
			1@1	DFT_QPSK	24.38	25.32	24.88
			1@49	DFT_QPSK	24.89	25.42	24.85
			25@12	DFT_QAM16	24.03	24.64	24.12
			1@1	DFT_QAM16	23.42	24.38	24.19
			1@49	DFT_QAM16	23.86	24.58	24.00
			25@12	DFT_QAM64	22.47	23.15	22.71
			1@1	DFT_QAM64	22.22	22.98	22.63
			1@49	DFT_QAM64	22.47	23.06	22.62
			25@12	DFT_QAM256	20.55	21.10	20.74
			1@1	DFT_QAM256	20.37	21.34	20.77
			1@49	DFT_QAM256	20.68	21.25	20.98
			25@12	CP_QPSK	23.47	24.06	23.57
			1@1	CP_QPSK	22.98	23.82	23.56
			1@49	CP_QPSK	23.39	23.87	23.44
			25@12	CP_QAM16	22.90	23.57	23.11
			1@1	CP_QAM16	22.99	23.85	23.36
			1@49	CP_QAM16	23.16	23.94	23.46
			25@12	CP_QAM64	21.42	22.17	21.74
			1@1	CP_QAM64	21.44	22.23	22.00
			1@49	CP_QAM64	21.63	22.47	22.01
			25@12	CP_QAM256	18.54	19.16	18.76
			1@1	CP_QAM256	18.38	19.02	18.61
			1@49	CP_QAM256	18.79	19.02	18.63

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					647668	656000	664332
					3715.02MHz	3840MHz	3964.98MHz
n77 3700MHz-3980MHz	30	30	36@18	DFT_BPSK	25.07	25.63	25.20
			1@1	DFT_BPSK	24.43	25.38	24.82
			1@76	DFT_BPSK	24.85	25.45	25.01
			36@18	DFT_QPSK	25.05	25.61	25.12
			1@1	DFT_QPSK	24.30	25.21	24.76
			1@76	DFT_QPSK	24.69	25.32	24.72
			36@18	DFT_QAM16	24.07	24.56	24.18
			1@1	DFT_QAM16	23.39	24.31	23.85
			1@76	DFT_QAM16	23.82	24.39	24.08
			36@18	DFT_QAM64	22.58	23.15	22.72
			1@1	DFT_QAM64	21.96	22.83	22.28
			1@76	DFT_QAM64	22.31	22.88	22.39
			36@18	DFT_QAM256	20.55	21.10	20.66
			1@1	DFT_QAM256	20.26	21.14	20.73
			1@76	DFT_QAM256	20.74	21.18	20.65
			39@19	CP_QPSK	23.56	24.07	23.57
			1@1	CP_QPSK	22.95	23.74	23.43
			1@76	CP_QPSK	23.29	23.87	23.46
			39@19	CP_QAM16	23.09	23.65	23.09
			1@1	CP_QAM16	22.63	23.82	23.43
			1@76	CP_QAM16	22.96	23.91	23.41
			39@19	CP_QAM64	21.56	22.12	21.66
			1@1	CP_QAM64	21.29	22.27	21.83
			1@76	CP_QAM64	21.63	22.42	21.86
			39@19	CP_QAM256	18.63	19.22	18.72
			1@1	CP_QAM256	18.25	18.85	18.27
			1@76	CP_QAM256	18.61	19.25	18.79

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					648000	656000	664000
					3720MHz	3840MHz	3960MHz
n77 3700MHz-3980MHz	30	40	50@25	DFT_BPSK	25.14	25.60	25.21
			1@1	DFT_BPSK	24.24	25.15	24.43
			1@104	DFT_BPSK	24.51	25.10	24.67
			50@25	DFT_QPSK	25.12	25.57	25.16
			1@1	DFT_QPSK	24.09	25.00	24.19
			1@104	DFT_QPSK	24.41	25.03	24.56
			50@25	DFT_QAM16	24.11	24.63	24.07
			1@1	DFT_QAM16	23.28	24.07	23.28
			1@104	DFT_QAM16	23.50	24.15	23.73
			50@25	DFT_QAM64	22.67	23.12	22.69
			1@1	DFT_QAM64	21.53	22.44	21.97
			1@104	DFT_QAM64	21.95	22.50	22.10
			50@25	DFT_QAM256	20.63	21.18	20.68
			1@1	DFT_QAM256	20.03	20.91	20.08
			1@104	DFT_QAM256	20.22	20.91	20.40
			53@26	CP_QPSK	23.56	24.08	23.67
			1@1	CP_QPSK	22.72	23.68	22.88
			1@104	CP_QPSK	23.08	23.66	23.19
			53@26	CP_QAM16	23.12	23.57	23.05
			1@1	CP_QAM16	22.72	23.29	22.65
			1@104	CP_QAM16	22.72	23.33	23.29
			53@26	CP_QAM64	21.49	22.16	21.66
			1@1	CP_QAM64	21.15	22.11	20.98
			1@104	CP_QAM64	21.53	21.97	21.36
			53@26	CP_QAM256	18.67	19.15	18.70
			1@1	CP_QAM256	17.96	18.93	17.86
			1@104	CP_QAM256	17.81	18.55	18.15

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					648334	656000	663666
					3725.01MHz	3840MHz	3954.99MHz
n77 3700MHz-3980MHz	30	50	64@32	DFT_BPSK	25.11	25.62	25.18
			1@1	DFT_BPSK	24.45	25.42	24.64
			1@131	DFT_BPSK	24.88	25.35	24.93
			64@32	DFT_QPSK	25.07	25.66	25.17
			1@1	DFT_QPSK	24.26	25.20	24.56
			1@131	DFT_QPSK	24.82	25.20	24.92
			64@32	DFT_QAM16	24.15	24.70	24.20
			1@1	DFT_QAM16	23.41	24.32	23.77
			1@131	DFT_QAM16	23.84	24.26	24.05
			64@32	DFT_QAM64	22.68	23.17	22.69
			1@1	DFT_QAM64	22.06	22.80	22.26
			1@131	DFT_QAM64	22.35	22.80	22.51
			64@32	DFT_QAM256	20.66	21.22	20.71
			1@1	DFT_QAM256	20.19	21.08	20.29
			1@131	DFT_QAM256	20.63	21.16	20.59
			67@33	CP_QPSK	23.56	24.09	23.65
			1@1	CP_QPSK	22.90	23.82	23.17
			1@131	CP_QPSK	23.36	23.76	23.36
			67@33	CP_QAM16	23.17	23.62	23.07
			1@1	CP_QAM16	22.62	23.54	23.18
			1@131	CP_QAM16	23.34	23.52	23.18
			67@33	CP_QAM64	21.54	22.19	21.66
			1@1	CP_QAM64	21.33	22.22	21.53
			1@131	CP_QAM64	21.81	21.98	21.76
			67@33	CP_QAM256	18.65	19.17	18.71
			1@1	CP_QAM256	17.93	19.18	18.26
			1@131	CP_QAM256	18.71	19.18	18.71

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					648668	656000	663332
					3730.02MHz	3840MHz	3949.98MHz
n77 3700MHz-3980MHz	30	60	81@40	DFT_BPSK	25.14	25.65	25.04
			1@1	DFT_BPSK	24.24	25.12	24.59
			1@160	DFT_BPSK	24.78	25.21	24.72
			81@40	DFT_QPSK	25.03	25.67	25.03
			1@1	DFT_QPSK	24.14	25.04	24.53
			1@160	DFT_QPSK	24.71	25.03	24.65
			81@40	DFT_QAM16	24.12	24.70	24.03
			1@1	DFT_QAM16	23.46	24.25	23.71
			1@160	DFT_QAM16	24.00	24.21	23.85
			81@40	DFT_QAM64	22.65	23.18	22.66
			1@1	DFT_QAM64	21.83	22.64	22.12
			1@160	DFT_QAM64	22.31	22.58	22.11
			81@40	DFT_QAM256	20.61	21.21	20.64
			1@1	DFT_QAM256	20.16	21.01	20.52
			1@160	DFT_QAM256	20.73	20.87	20.47
			81@40	CP_QPSK	23.45	24.13	23.49
			1@1	CP_QPSK	22.54	23.63	23.19
			1@160	CP_QPSK	23.09	23.60	23.36
			81@40	CP_QAM16	23.14	23.66	23.00
			1@1	CP_QAM16	22.44	23.61	22.83
			1@160	CP_QAM16	22.97	23.75	23.37
			81@40	CP_QAM64	21.56	22.09	21.49
			1@1	CP_QAM64	21.02	22.05	21.46
			1@160	CP_QAM64	21.52	21.86	21.53
			81@40	CP_QAM256	18.61	19.21	18.55
			1@1	CP_QAM256	17.75	18.65	18.06
			1@160	CP_QAM256	18.20	18.96	18.16

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					649334	656000	662666
					3740.01MHz	3840MHz	3939.99MHz
n77 3700MHz-3980MHz	30	80	108@54	DFT_BPSK	25.25	25.72	25.11
			1@1	DFT_BPSK	24.21	24.92	24.64
			1@215	DFT_BPSK	24.84	24.97	24.65
			108@54	DFT_QPSK	25.23	25.71	25.08
			1@1	DFT_QPSK	24.08	24.82	24.55
			1@215	DFT_QPSK	24.84	24.88	24.55
			108@54	DFT_QAM16	24.29	24.73	24.13
			1@1	DFT_QAM16	23.39	23.86	23.63
			1@215	DFT_QAM16	24.05	23.93	23.65
			108@54	DFT_QAM64	22.70	23.19	22.54
			1@1	DFT_QAM64	21.61	22.59	22.34
			1@215	DFT_QAM64	22.21	22.72	22.34
			108@54	DFT_QAM256	20.84	21.23	20.65
			1@1	DFT_QAM256	20.05	20.76	20.49
			1@215	DFT_QAM256	20.70	20.85	20.54
			109@54	CP_QPSK	23.70	24.14	23.60
			1@1	CP_QPSK	22.77	23.33	23.02
			1@215	CP_QPSK	23.38	23.32	23.08
			109@54	CP_QAM16	23.28	23.75	23.12
			1@1	CP_QAM16	22.36	23.17	22.80
			1@215	CP_QAM16	23.06	23.10	22.86
			109@54	CP_QAM64	21.80	22.15	21.51
			1@1	CP_QAM64	21.03	21.75	21.43
			1@215	CP_QAM64	21.73	21.73	21.39
			109@54	CP_QAM256	18.75	19.23	18.61
			1@1	CP_QAM256	17.54	18.47	18.13
			1@215	CP_QAM256	18.17	18.54	18.14

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					649668	656000	662332
					3745.02MHz	3840MHz	3934.98MHz
n77 3700MHz-3980MHz	30	90	120@60	DFT_BPSK	25.21	25.67	24.98
			1@1	DFT_BPSK	24.15	24.83	24.50
			1@243	DFT_BPSK	24.95	24.87	24.56
			120@60	DFT_QPSK	25.25	25.57	24.92
			1@1	DFT_QPSK	23.94	24.66	24.46
			1@243	DFT_QPSK	24.82	24.66	24.35
			120@60	DFT_QAM16	24.25	24.67	24.01
			1@1	DFT_QAM16	23.03	23.82	23.43
			1@243	DFT_QAM16	23.77	23.83	23.38
			120@60	DFT_QAM64	22.77	23.11	22.45
			1@1	DFT_QAM64	21.72	22.31	22.09
			1@243	DFT_QAM64	22.56	22.32	21.99
			120@60	DFT_QAM256	20.77	21.14	20.49
			1@1	DFT_QAM256	19.93	20.44	20.17
			1@243	DFT_QAM256	20.78	20.43	20.15
			123@61	CP_QPSK	23.74	24.04	23.46
			1@1	CP_QPSK	22.42	23.29	23.00
			1@243	CP_QPSK	23.28	23.53	22.90
			123@61	CP_QAM16	23.26	23.62	23.02
			1@1	CP_QAM16	22.20	22.92	23.06
			1@243	CP_QAM16	23.02	22.96	23.00
			123@61	CP_QAM64	21.75	22.05	21.51
			1@1	CP_QAM64	20.88	21.39	21.47
			1@243	CP_QAM64	21.77	21.66	21.34
			123@61	CP_QAM256	19.07	19.05	18.42
			1@1	CP_QAM256	17.29	18.54	18.34
			1@243	CP_QAM256	18.23	18.56	18.21

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					650000	656000	662000
					3750MHz	3840MHz	3930MHz
n77 3700MHz-3980MHz	30	100	135@67	DFT_BPSK	25.17	25.65	25.03
			1@1	DFT_BPSK	23.94	24.62	24.66
			1@271	DFT_BPSK	24.82	24.60	24.40
			135@67	DFT_QPSK	25.23	25.63	24.94
			1@1	DFT_QPSK	23.93	24.51	24.57
			1@271	DFT_QPSK	24.75	24.50	24.26
			135@67	DFT_QAM16	24.26	24.70	24.01
			1@1	DFT_QAM16	22.95	23.58	23.72
			1@271	DFT_QAM16	23.78	23.64	23.34
			135@67	DFT_QAM64	22.80	23.16	22.59
			1@1	DFT_QAM64	21.60	22.27	22.29
			1@271	DFT_QAM64	22.34	22.13	21.93
			135@67	DFT_QAM256	20.81	21.28	20.60
			1@1	DFT_QAM256	19.77	20.39	20.43
			1@271	DFT_QAM256	20.54	20.37	20.11
			137@68	CP_QPSK	23.72	24.05	23.44
			1@1	CP_QPSK	22.20	22.89	22.87
			1@271	CP_QPSK	23.05	22.82	22.65
			137@68	CP_QAM16	23.18	23.58	22.93
			1@1	CP_QAM16	22.15	22.77	22.85
			1@271	CP_QAM16	22.96	22.69	22.58
			137@68	CP_QAM64	21.69	22.15	21.49
			1@1	CP_QAM64	20.64	21.37	21.45
			1@271	CP_QAM64	21.47	21.23	21.03
			137@68	CP_QAM256	18.67	19.06	18.48
			1@1	CP_QAM256	17.31	18.08	18.08
			1@271	CP_QAM256	18.21	18.04	17.94

13.5 WLAN 2.4 GHz Band Conducted Power

ANT 7

Average Power (dBm)				
Channel	Frequency (MHz)	802.11 b	802.11 g	802.11n (HT20)
CH 01	2412	**16.64**	**14.95**	14.67
CH 06	2437	16.43	14.32	14.17
CH 11	2462	15.91	13.97	13.64

Average Power (dBm)		
Channel	Frequency (MHz)	802.11n (HT40)
CH 03	2422	14.52
CH 06	2437	13.33
CH 09	2452	13.30

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Average Power (dBm)				
Channel	Frequency (MHz)	802.11 b	802.11 g	802.11n (HT20)
CH 01	2412	15.34	13.28	12.33
CH 06	2437	**16.00**	**13.98**	13.02
CH 11	2462	15.90	13.91	12.95

Average Power (dBm)		
Channel	Frequency (MHz)	802.11n (HT40)
CH 03	2422	12.72
CH 06	2437	13.05
CH 09	2452	13.23

Note:

1. Per KDB 447498 D01v06, the 1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:
   [(*max. power of channel, including tune-up tolerance, mW*) / (*min. test separation distance, mm*)] · [√f(GHz)] ≤ 3.0 for 1-g SAR, where
   - f(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

   ANT 7

Channel	Frequency (GHz)	Max. Tune-up Power (dBm)	Max. Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
b/CH 01	2.412	17.0	50.1	5	15.54	3.0
g/CH 01	2.412	15.5	35.5	5	11.00	3.0

   ANT 6-2

Channel	Frequency (GHz)	Max. Tune-up Power (dBm)	Max. Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
b/CH 06	2.437	16.5	44.7	5	13.94	3.0
g/CH 06	2.437	14.5	28.2	5	8.79	3.0

2. Base on the result of note1, RF exposure evaluation of 802.11 b mode is required.
3. Per KDB 248227 D01v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
4. Per KDB 248227 D01v02r02, In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. SAR is not required for the following 2.4 GHz OFDM conditions:
   1) When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration.
   2) 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.
5. The output power of all data rate were pre-scan, just the worst case (the lowest data rate) of all mode were shown in report.
6. Per KDB 248227 D01V02r02 section 2.2, when the EUT in continuously transmitting mode, the actual duty cycle of ANT 7 and ANT 6-2 is 100%, so the duty cycle factor is 1.

13.6 WLAN 5.2GHz Band Conducted Power

Average Power (dBm)				
Channel	Frequency (MHz)	802.11 a	802.11 ac20	802.11 n20
CH 36	5180	16.01	16.39	16.40
CH 40	5200	16.05	16.34	16.34
CH 48	5240	**16.43**	16.32	15.98

Average Power (dBm)			
Channel	Frequency (MHz)	802.11 ac40	802.11 n40
CH 38	5190	16.49	16.44
CH 46	5230	15.68	16.17

Average Power (dBm)		
Channel	Frequency (MHz)	802.11 ac80
CH 42	5210	16.23

Note:

7. Per KDB 447498 D01v06, the 1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:
   [(*max. power of channel, including tune-up tolerance, mW*) / (*min. test separation distance, mm*)] · [√f(GHz)] ≤ 3.0 for 1-g SAR, where
   - f(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

Channel	Frequency (GHz)	Max. Tune-up Power (dBm)	Max. Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
a/CH 48	5.240	17.0	50.11	5	22.95	3.0

8. Base on the result of note1, RF exposure evaluation of 802.11 a mode is not required.
9. Per KDB 248227 D01v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
10. The output power of all data rate were pre-scan, just the worst case (the lowest data rate) of all mode were shown in report.
11. Per KDB 248227 D01V02r02 section 2.2, when the EUT in continuously transmitting mode, the actual duty cycle is 100%, so the duty cycle factor is 1.

13.7 WLAN 5.8GHz Band Conducted Power

Average Power (dBm)				
Channel	Frequency (MHz)	802.11 a	802.11 ac20	802.11 n20
CH 149	5745	16.06	16.47	15.92
CH 157	5785	16.42	17.07	16.42
CH 165	5825	**17.15**	17.03	17.06

Average Power (dBm)			
Channel	Frequency (MHz)	802.11 ac40	802.11 n40
CH 151	5755	16.42	16.44
CH 159	5795	15.69	16.32

Average Power (dBm)		
Channel	Frequency (MHz)	802.11 ac80
CH 155	5775	16.31

Note:

12. Per KDB 447498 D01v06, the 1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:
    [(*max. power of channel, including tune-up tolerance, mW*) / (*min. test separation distance, mm*)] · [√f(GHz)] ≤ 3.0 for 1-g SAR, where
    - f(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

Channel	Frequency (GHz)	Max. Tune-up Power (dBm)	Max. Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
a/CH 165	5.825	17.5	56.23	5.0	27.10	3.0

13. Base on the result of note1, RF exposure evaluation of 802.11 a mode is not required.
14. Per KDB 248227 D01v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
15. The output power of all data rate were pre-scan, just the worst case (the lowest data rate) of all mode were shown in report.
16. Per KDB 248227 D01V02r02 section 2.2, when the EUT in continuously transmitting mode, the actual duty cycle is 100%, so the duty cycle factor is 1.

13.8 Bluetooth Conducted Power

ANT 7

Average Power (dBm)				
Channel	Frequency (MHz)	GFSK	π/4-DQPSK	8DPSK
CH 00	2402	6.94	6.18	6.14
CH 39	2441	4.17	3.37	3.41
CH 78	2480	**7.98**	7.41	7.58

Average Power (dBm)					
Channel	Frequency (MHz)	BLE PHY 1M	BLE PHY 2M	BLE Coded PHY S=2	BLE Coded PHY S=8
CH 00	2402	-3.74	-3.84	-3.76	-3.84
CH 20	2442	-3.05	-3.12	-3.07	-3.14
CH 39	2480	-4.95	-5.04	-4.96	-5.02

ANT 6-2

Average Power (dBm)				
Channel	Frequency (MHz)	GFSK	π/4-DQPSK	8DPSK
CH 00	2402	3.85	3.92	3.90
CH 39	2441	4.38	3.64	3.56
CH 78	2480	**5.49**	4.87	4.75

Average Power (dBm)					
Channel	Frequency (MHz)	BLE PHY 1M	BLE PHY 2M	BLE Coded PHY S=2	BLE Coded PHY S=8
CH 00	2402	-6.51	-6.58	-6.64	-6.65
CH 20	2442	-5.13	-5.14	-5.14	-5.20
CH 39	2480	-6.38	-6.33	-6.34	-6.17

Note:

1. Per KDB 447498 D01v06, the 1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:
   [(*max. power of channel, including tune-up tolerance, mW*) / (*min. test separation distance, mm*)] · [√f(GHz)] ≤ 3.0 for 1-g SAR, where
   - f(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

ANT 7

Channel	Frequency (GHz)	Max. tune-up Power (dBm)	Max. Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
CH 78	2.480	8.0	6.31	5	1.98	3.0

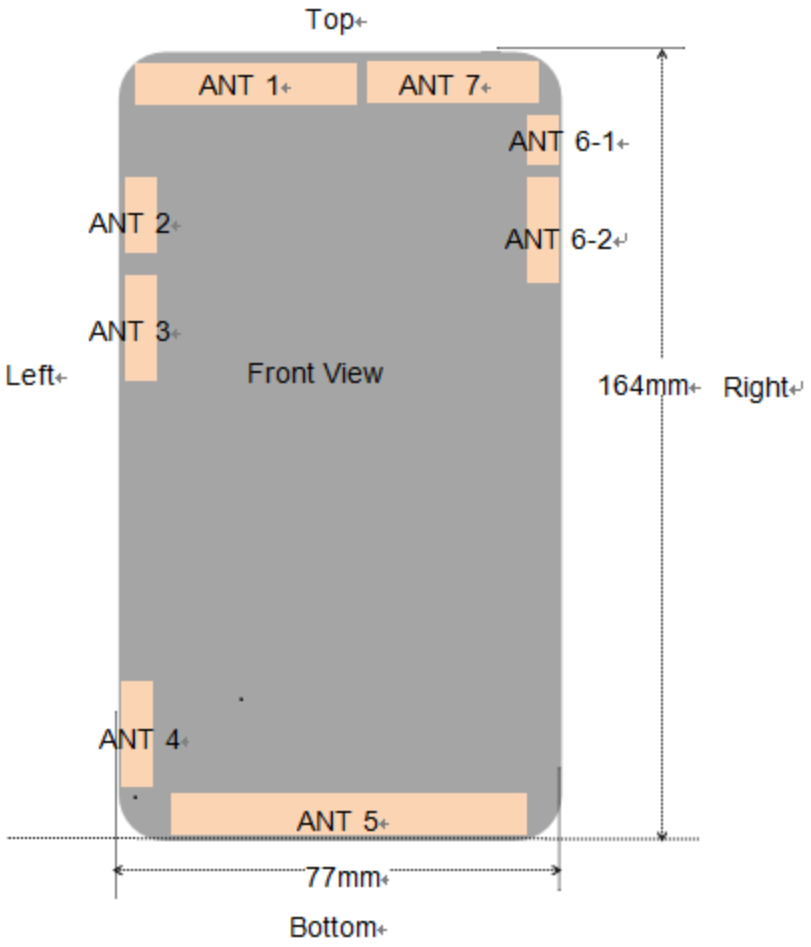
ANT 6-2

Channel	Frequency (GHz)	Max. tune-up Power (dBm)	Max. Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
CH 78	2.480	6.0	3.98	5	1.25	3.0

2. The max. tune-up power was provided by manufacturer, base on the result of note 1, RF exposure evaluation is not required.
3. The output power of all data rate were pre-scan, just the worst case of all mode were shown in report.
4. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according is applied to determine SAR test exclusion.

14 Exposure Positions Consideration

14.1 EUT Antenna Locations



Note：

1: ANT 1: GSM&WCDMA&LTE ANT+ NR n41 PRX MIMO ANT
ANT 2: NR n77&n78 PRX MIMO ANT
ANT 3: NR n41 TX ANT
ANT 4: NR n41&n77&n78 DRX ANT
ANT 5: LTE Diversity ANT +NR n41 DRX MIMO ANT
ANT 6-1: NR n77&n78 TX ANT
ANT 6-2: BT&2.4GWIFI&5GWIFI ANT
ANT 7: BT&2.4GWIFI&GPS ANT

2: Display diagonal dimension: 164mm
Overall diagonal dimension: 173mm

Fig.14.1 EUT Antenna Locations

Note: This antenna diagram is only used as a reference for the distance from the antenna to each edge. For the specific shape of the antenna, please refer to the physical photo.

14.2 Test Positions Consideration

Distance of Antennas to EUT edge/surface Test distance: 10mm						
Antennas	**Back**	**Front**	**Top Side**	**Bottom Side**	**Right Side**	**Left Side**
ANT 1	<25mm	<25mm	<25mm	145mm	36mm	<25mm
ANT 3	<25mm	<25mm	41mm	99mm	70mm	<25mm
ANT 6-1	<25mm	<25mm	<25mm	145mm	68mm	<25mm
ANT 6-2	<25mm	<25mm	<25mm	120mm	70mm	<25mm
ANT 7	<25mm	<25mm	<25mm	154mm	<25mm	41mm

Test Positions Test distance: 10mm						
Antennas	**Back**	**Front**	**Top Side**	**Bottom Side**	**Right Side**	**Left Side**
ANT 1	Yes	Yes	Yes	No	No	Yes
ANT 3	Yes	Yes	No	No	No	Yes
ANT 6-1	Yes	Yes	Yes	No	No	Yes
ANT 6-2	Yes	Yes	Yes	No	No	Yes
ANT 7	Yes	Yes	Yes	No	Yes	No

Note:

1. ANT 1: GSM&WCDMA&LTE ANT+ NR n41 PRX MIMO ANT
2. ANT 3: NR n41 TX ANT
3. ANT 6-1: NR n77&n78 TX ANT
4. ANT 6-2: BT&2.4GWIFI&5GWIFI ANT
5. ANT 7: BT&2.4GWIFI&GPS ANT
6. Head/Body-worn/Hotspot mode SAR assessments are required.
7. Referring to KDB 941225 D06 v02r01, when the overall device length and width are ≥ 9cm * 5cm, the test distance is 10mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge.
8. Per KDB 447498 D01v06, for handsets the test separation distance is determined by the smallest distance between the outer surface of the device and the user, which is 0 mm for head SAR, 10 mm for hotspot SAR, and 10 mm for body-worn SAR.
9. Per KDB 648474 D04 v01r03, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg

15 SAR Test Results Summary

15.1 Standalone Head SAR Data

➢ GSM Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
1	GSM850/Voice	Right Cheek	190	836.6	33.59	0.07	34.0	**1.050**	1.099	1.154
	GSM850/Voice	Right Tilted	190	836.6	33.59	0.07	34.0	0.917	1.099	1.008
	GSM850/Voice	Left Cheek	190	836.6	33.59	0.10	34.0	0.712	1.099	0.782
	GSM850/Voice	Left Tilted	190	836.6	33.59	-0.03	34.0	0.610	1.099	0.670
	GSM850/Voice	Right Cheek	128	824.2	33.30	0.03	34.0	0.898	1.175	1.055
	GSM850/Voice	Right Cheek	251	848.8	33.20	0.00	34.0	0.956	1.202	1.149
	GSM850/Voice	Right Tilted	128	824.2	33.30	0.05	34.0	0.841	1.175	0.988
	GSM850/Voice	Right Tilted	251	848.8	33.20	-0.04	34.0	0.825	1.202	0.992
	GSM850/Voice	**Right Cheek**	**190**	**836.6**	**33.59**	**0.03**	**34.0**	**1.040**	**1.099**	**1.142**
	GSM1900/Voice	Right Cheek	512	1850.2	30.30	0.00	30.5	0.326	1.047	0.341
2	GSM1900/Voice	Right Tilted	512	1850.2	30.30	0.06	30.5	**0.477**	1.047	0.499
	GSM1900/Voice	Left Cheek	512	1850.2	30.30	0.13	30.5	0.184	1.047	0.193
	GSM1900/Voice	Left Tilted	512	1850.2	30.30	0.06	30.5	0.234	1.047	0.245
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ WCDMA Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band V/RMC	Right Cheek	4183	836.6	23.53	-0.18	24.0	0.833	1.114	0.928
	Band V/RMC	Right Tilted	4183	836.6	23.53	0.06	24.0	0.704	1.114	0.784
	Band V/RMC	Left Cheek	4183	836.6	23.53	-0.12	24.0	0.512	1.114	0.570
	Band V/RMC	Left Tilted	4183	836.6	23.53	-0.09	24.0	0.486	1.114	0.541
	Band V/RMC	Right Cheek	4132	826.4	23.26	0.04	24.0	0.740	1.186	0.878
3	Band V/RMC	Right Cheek	4233	846.6	23.43	0.05	24.0	**0.914**	1.14	1.042
	Band V/RMC	**Right Cheek**	**4233**	**846.6**	**23.53**	**0.07**	**24.0**	**0.908**	**1.114**	**1.012**
	Band IV/RMC	Right Cheek	1312	1712.4	23.59	0.11	24.0	0.864	1.099	0.950
4	Band IV/RMC	Right Tilted	1312	1712.4	23.59	0.06	24.0	**1.020**	1.099	1.121
	Band IV/RMC	Left Cheek	1312	1712.4	23.59	-0.02	24.0	0.475	1.099	0.522
	Band IV/RMC	Left Tilted	1312	1712.4	23.59	-0.16	24.0	0.688	1.099	0.756
	Band IV/RMC	Right Cheek	1413	1732.6	23.07	0.04	24.0	0.804	1.239	0.996
	Band IV/RMC	Right Cheek	1513	1752.6	23.26	-0.02	24.0	0.825	1.186	0.978
	Band IV/RMC	Right Tilted	1413	1732.6	23.07	0.10	24.0	0.904	1.239	1.120
	Band IV/RMC	Right Tilted	1513	1752.6	23.26	0.06	24.0	0.912	1.186	1.082
	Band IV/RMC	**Right Tilted**	**1513**	**1752.6**	**23.59**	**0.01**	**24.0**	**1.010**	**1.099**	**1.110**
	Band II/RMC	Right Cheek	9538	1907.6	23.37	0.09	23.5	0.896	1.03	0.923
	Band II/RMC	Right Tilted	9538	1907.6	23.37	-0.02	23.5	1.100	1.03	1.133
	Band II/RMC	Left Cheek	9538	1907.6	23.37	-0.04	23.5	0.588	1.03	0.606
	Band II/RMC	Left Tilted	9538	1907.6	23.37	-0.12	23.5	0.732	1.03	0.754
	Band II/RMC	Right Cheek	9262	1852.4	23.24	0.05	23.5	0.866	1.062	0.920
	Band II/RMC	Right Cheek	9400	1880	23.23	-0.02	23.5	1.020	1.064	1.085
	Band II/RMC	Right Tilted	9262	1852.4	23.24	0.03	23.5	0.972	1.062	1.032
5	Band II/RMC	Right Tilted	9400	1880	23.23	-0.05	23.5	**1.110**	1.064	1.181
	Band II/RMC	**Right Tilted**	**9400**	**1880**	**23.23**	**-0.02**	**23.5**	**1.060**	**1.064**	**1.128**
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ FDD-LTE Band 2(20MHz) QPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band2/1RB#49	Right Cheek	18700	1860	23.72	-0.04	24.0	0.736	1.067	0.785
	Band2/1RB#49	Right Tilted	18700	1860	23.72	0.00	24.0	0.805	1.067	0.859
	Band2/1RB#49	Left Cheek	18700	1860	23.72	0.15	24.0	0.411	1.067	0.439
	Band2/1RB#49	Left Tilted	18700	1860	23.72	-0.17	24.0	0.482	1.067	0.514
	Band2/50%RB#24	Right Cheek	18700	1860	22.58	0.09	23.0	0.695	1.102	0.766
	Band2/50%RB#24	Right Tilted	18700	1860	22.58	0.09	23.0	0.788	1.102	0.868
	Band2/50%RB#24	Left Cheek	18700	1860	22.58	-0.16	23.0	0.386	1.102	0.425
	Band2/50%RB#24	Left Tilted	18700	1860	22.58	0.12	23.0	0.458	1.102	0.505
	Band2/100%RB#0	Right Cheek	18700	1860	22.60	0.00	23.0	0.635	1.096	0.696
	Band2/100%RB#0	Right Tilted	18700	1860	22.60	0.03	23.0	0.723	1.096	0.792
	Band2/100%RB#0	Left Cheek	18700	1860	22.60	0.11	23.0	0.351	1.096	0.385
	Band2/100%RB#0	Left Tilted	18700	1860	22.60	0.03	23.0	0.421	1.096	0.461
	Band2/1RB#0	Right Tilted	18900	1880	23.60	0.03	24.0	0.850	1.096	0.932
6	Band2/1RB#49	Right Tilted	19100	1900	23.41	0.07	24.0	**0.877**	1.146	1.005
	Band2/50%RB#49	Right Tilted	18900	1880	22.39	0.04	23.0	0.751	1.151	0.864
	Band2/50%RB#49	Right Tilted	19100	1900	22.40	-0.15	23.0	0.771	1.148	0.885
	Band2/1RB#49	**Right Tilted**	**19100**	**1900**	**23.41**	**0.08**	**24.0**	**0.864**	**1.146**	**0.990**
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ FDD-LTE Band 5(10MHz) QPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band5/1RB#24	Right Cheek	20525	836.5	23.75	-0.04	24.0	0.948	1.059	1.004
	Band5/1RB#24	Right Tilted	20525	836.5	23.75	0.05	24.0	0.746	1.059	0.790
	Band5/1RB#24	Left Cheek	20525	836.5	23.75	0.09	24.0	0.611	1.059	0.647
	Band5/1RB#24	Left Tilted	20525	836.5	23.75	-0.14	24.0	0.531	1.059	0.562
	Band5/50%RB#12	Right Cheek	20525	836.5	22.77	-0.07	23.0	0.941	1.054	0.992
	Band5/50%RB#12	Right Tilted	20525	836.5	22.77	-0.16	23.0	0.715	1.054	0.754
	Band5/50%RB#12	Left Cheek	20525	836.5	22.77	0.14	23.0	0.586	1.054	0.618
	Band5/50%RB#12	Left Tilted	20525	836.5	22.77	-0.02	23.0	0.511	1.054	0.539
	Band5/100%RB#0	Right Cheek	20525	836.5	22.72	0.03	23.0	0.925	1.067	0.987
	Band5/100%RB#0	Right Tilted	20525	836.5	22.72	0.05	23.0	0.689	1.067	0.735
	Band5/100%RB#0	Left Cheek	20525	836.5	22.72	-0.18	23.0	0.523	1.067	0.558
	Band5/100%RB#0	Left Tilted	20525	836.5	22.72	0.01	23.0	0.486	1.067	0.519
	Band5/1RB#49	Right Cheek	20450	829	23.73	0.01	24.0	0.753	1.064	0.801
7	Band5/1RB#0	Right Cheek	20600	844	23.61	0.10	24.0	**1.040**	1.094	1.138
	Band5/50%RB#24	Right Cheek	20450	829	22.47	0.14	23.0	0.815	1.13	0.921
	Band5/50%RB#0	Right Cheek	20600	844	22.70	0.03	23.0	0.910	1.072	0.976
	Band5/100%RB#0	Right Cheek	20450	829	22.58	-0.16	23.0	0.891	1.102	0.982
	Band5/100%RB#0	Right Cheek	20600	844	22.65	-0.03	23.0	0.886	1.084	0.960
	Band5/1RB#0	**Right Cheek**	**20600**	**844**	**23.61**	**-0.07**	**24.0**	**1.030**	**1.094**	**1.127**
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ FDD-LTE Band 7(20MHz) QPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
8	Band7/1RB#49	Right Cheek	20850	2510	23.55	0.00	24.0	**0.663**	1.109	0.735
	Band7/1RB#49	Right Tilted	20850	2510	23.55	0.06	24.0	0.609	1.109	0.675
	Band7/1RB#49	Left Cheek	20850	2510	23.55	-0.15	24.0	0.381	1.109	0.423
	Band7/1RB#49	Left Tilted	20850	2510	23.55	0.18	24.0	0.315	1.109	0.349
	Band7/50%RB#0	Right Cheek	20850	2510	22.54	-0.15	23.0	0.610	1.112	0.678
	Band7/50%RB#0	Right Tilted	20850	2510	22.54	0.19	23.0	0.596	1.112	0.663
	Band7/50%RB#0	Left Cheek	20850	2510	22.54	0.06	23.0	0.374	1.112	0.416
	Band7/50%RB#0	Left Tilted	20850	2510	22.54	-0.10	23.0	0.301	1.112	0.335
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ TDD-LTE Band 41(20MHz) QPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR_{1g} (W/kg)
9	Band41/1RB#49	Right Cheek	41140	2645	22.88	0.00	23.0	**0.599**	1.028	1.008	0.621
	Band41/1RB#49	Right Tilted	41140	2645	22.88	0.01	23.0	0.180	1.028	1.008	0.187
	Band41/1RB#49	Left Cheek	41140	2645	22.88	0.08	23.0	0.481	1.028	1.008	0.498
	Band41/1RB#49	Left Tilted	41140	2645	22.88	0.09	23.0	0.133	1.028	1.008	0.138
	Band41/50%RB#24	Right Cheek	41140	2645	21.89	-0.07	22.0	0.534	1.026	1.008	0.552
	Band41/50%RB#24	Right Tilted	41140	2645	21.89	0.12	22.0	0.166	1.026	1.008	0.172
	Band41/50%RB#24	Left Cheek	41140	2645	21.89	0.04	22.0	0.456	1.026	1.008	0.472
	Band41/50%RB#24	Left Tilted	41140	2645	21.89	0.14	22.0	0.125	1.026	1.008	0.129
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**						

➢ FDD-LTE Band 66(20MHz) QPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band66/1RB#49	Right Cheek	132572	1770	22.89	0.05	23.5	0.876	1.151	1.008
10	Band66/1RB#49	Right Tilted	132572	1770	22.89	0.03	23.5	**0.992**	1.151	1.142
	Band66/1RB#49	Left Cheek	132572	1770	22.89	-0.19	23.5	0.653	1.151	0.752
	Band66/1RB#49	Left Tilted	132572	1770	22.89	0.07	23.5	0.684	1.151	0.787
	Band66/50%RB#24	Right Cheek	132572	1770	21.96	0.13	22.5	0.701	1.132	0.794
	Band66/50%RB#24	Right Tilted	132572	1770	21.96	-0.19	22.5	0.882	1.132	0.998
	Band66/50%RB#24	Left Cheek	132572	1770	21.96	0.17	22.5	0.586	1.132	0.663
	Band66/50%RB#24	Left Tilted	132572	1770	21.96	0.00	22.5	0.681	1.132	0.771
	Band66/100%RB#0	Right Cheek	132572	1770	21.88	0.17	22.0	0.671	1.028	0.690
	Band66/100%RB#0	Right Tilted	132572	1770	21.88	-0.10	22.0	0.775	1.028	0.797
	Band66/100%RB#0	Left Cheek	132572	1770	21.88	-0.12	22.0	0.508	1.028	0.522
	Band66/100%RB#0	Left Tilted	132572	1770	21.88	-0.03	22.0	0.567	1.028	0.583
	Band66/1RB#49	Right Cheek	132072	1720	22.81	0.10	23.5	0.807	1.172	0.946
	Band66/1RB#49	Right Cheek	132322	1745	22.70	0.05	23.5	0.815	1.202	0.980
	Band66/1RB#49	Right Tilted	132072	1720	22.81	0.06	23.5	0.908	1.172	1.064
	Band66/1RB#99	Right Tilted	132322	1745	22.70	0.10	23.5	0.899	1.202	1.081
	Band66/50%RB#24	Right Tilted	132072	1720	21.56	0.08	22.5	0.786	1.242	0.976
	Band66/50%RB#24	Right Tilted	132322	1740	21.35	-0.15	22.5	0.726	1.303	0.946
	Band66/1RB#49	**Right Tilted**	**132572**	**1770**	**22.89**	**-0.02**	**23.5**	**0.985**	**1.151**	**1.134**
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n2 DFT-BPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n2 DFT-BPSK /1@1 20M	Right Cheek	372000	1860	23.43	0.00	24.0	0.461	1.14	0.526
11	NR n2 DFT-BPSK /1@1 20M	Right Tilted	372000	1860	23.43	-0.03	24.0	**0.604**	1.14	0.689
	NR n2 DFT-BPSK /1@1 20M	Left Cheek	372000	1860	23.43	0.04	24.0	0.284	1.14	0.324
	NR n2 DFT-BPSK /1@1 20M	Left Tilted	372000	1860	23.43	0.20	24.0	0.351	1.14	0.400
	NR n2 DFT-BPSK /25@12 20M	Right Cheek	372000	1860	23.46	0.01	24.0	0.455	1.132	0.515
	NR n2 DFT-BPSK /25@12 20M	Right Tilted	372000	1860	23.46	0.06	24.0	0.571	1.132	0.646
	NR n2 DFT-BPSK /25@12 20M	Left Cheek	372000	1860	23.46	-0.08	24.0	0.253	1.132	0.286
	NR n2 DFT-BPSK /25@12 20M	Left Tilted	372000	1860	23.46	-0.03	24.0	0.315	1.132	0.357
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population								**1.6 W/kg (mW/g) Averaged over 1g**		

➢ NR n5 DFT-BPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
12	NR n5 DFT-BPSK /1@49 20M	Right Cheek	166800	834	22.49	0.02	23.0	**0.673**	1.125	0.757
	NR n5 DFT-BPSK /1@49 20M	Right Tilted	166800	834	22.49	0.02	23.0	0.635	1.125	0.714
	NR n5 DFT-BPSK /1@49 20M	Left Cheek	166800	834	22.49	-0.14	23.0	0.558	1.125	0.628
	NR n5 DFT-BPSK /1@49 20M	Left Tilted	166800	834	22.49	-0.02	23.0	0.512	1.125	0.576
	NR n5 DFT-BPSK /25@12 20M	Right Cheek	167800	839	22.60	-0.04	23.0	0.652	1.096	0.715
	NR n5 DFT-BPSK /25@12 20M	Right Tilted	167800	839	22.60	0.14	23.0	0.601	1.096	0.659
	NR n5 DFT-BPSK /25@12 20M	Left Cheek	167800	839	22.60	-0.12	23.0	0.513	1.096	0.562
	NR n5 DFT-BPSK /25@12 20M	Left Tilted	167800	839	22.60	0.17	23.0	0.442	1.096	0.484
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population								**1.6 W/kg (mW/g) Averaged over 1g**		

➢ NR n41 DFT-BPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
13	NR n41 DFT-BPSK /1@271 100M	Right Cheek	520998	2604.99	24.52	-0.05	25.5	**0.321**	1.253	0.402
	NR n41 DFT-BPSK /1@271 100M	Right Tilted	520998	2604.99	24.52	-0.03	25.5	0.051	1.253	0.064
	NR n41 DFT-BPSK /1@271 100M	Left Cheek	520998	2604.99	24.52	-0.04	25.5	0.198	1.253	0.248
	NR n41 DFT-BPSK /1@271 100M	Left Tilted	520998	2604.99	24.52	-0.16	25.5	0.036	1.253	0.045
	NR n41 DFT-BPSK /137@67 100M	Right Cheek	519000	2595	25.30	0.03	25.5	0.401	1.047	0.420
	NR n41 DFT-BPSK /137@67 100M	Right Tilted	519000	2595	25.30	-0.15	25.5	0.099	1.047	0.104
	NR n41 DFT-BPSK /137@67 100M	Left Cheek	519000	2595	25.30	0.13	25.5	0.217	1.047	0.227
	NR n41 DFT-BPSK /137@67 100M	Left Tilted	519000	2595	25.30	0.11	25.5	0.059	1.047	0.062
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population								**1.6 W/kg (mW/g) Averaged over 1g**		

➢ NR n66 DFT-BPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
14	NR n66 DFT-BPSK /1@104 40M	Right Cheek	346000	1730	21.65	0.08	22.0	**0.881**	1.084	0.955
	NR n66 DFT-BPSK /1@104 40M	Right Tilted	346000	1730	21.65	0.12	22.0	0.758	1.084	0.822
	NR n66 DFT-BPSK /1@104 40M	Left Cheek	346000	1730	21.65	0.01	22.0	0.468	1.084	0.507
	NR n66 DFT-BPSK /1@104 40M	Left Tilted	346000	1730	21.65	-0.14	22.0	0.348	1.084	0.377
	NR n66 DFT-BPSK /50@25 40M	Right Cheek	352000	1760	22.03	0.05	22.5	0.768	1.114	0.856
	NR n66 DFT-BPSK /50@25 40M	Right Tilted	352000	1760	22.03	-0.02	22.5	0.706	1.114	0.786
	NR n66 DFT-BPSK /50@25 40M	Left Cheek	352000	1760	22.03	-0.16	22.5	0.386	1.114	0.430
	NR n66 DFT-BPSK /50@25 40M	Left Tilted	352000	1760	22.03	0.01	22.5	0.281	1.114	0.313
	NR n66 DFT-BPSK /1@104 40M	Right Cheek	349000	1745	21.52	-0.09	22.0	0.778	1.117	0.869

	NR n66 DFT-BPSK /1@104 40M	Right Cheek	352000	1760	21.51	-0.05	22.0	0.786	1.119	0.880
	NR n66 DFT-BPSK /1@104 40M	Right Tilted	349000	1745	21.52	-0.09	22.0	0.701	1.117	0.783
	NR n66 DFT-BPSK /1@104 40M	Right Tilted	352000	1760	21.51	-0.05	22.0	0.725	1.119	0.811
	NR n66 DFT-BPSK /50@25 40M	Right Cheek	346000	1730	21.76	0.19	22.5	0.705	1.186	0.836
	NR n66 DFT-BPSK /50@25 40M	Right Cheek	349000	1745	21.95	0.16	22.5	0.722	1.135	0.819
	NR n66 DFT-BPSK /1@104 40M	**Right Cheek**	**346000**	**1730**	**21.65**	**0.05**	**22.0**	**0.875**	**1.084**	**0.949**

➢ NR n71 DFT-BPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
15	NR n71 DFT-BPSK /1@1 20M	Right Cheek	137600	688	22.69	0.02	23.0	**0.230**	1.074	0.247
	NR n71 DFT-BPSK /1@1 20M	Right Tilted	137600	688	22.69	0.03	23.0	0.199	1.074	0.214
	NR n71 DFT-BPSK /1@1 20M	Left Cheek	137600	688	22.69	0.08	23.0	0.213	1.074	0.229
	NR n71 DFT-BPSK /1@1 20M	Left Tilted	137600	688	22.69	-0.08	23.0	0.188	1.074	0.202
	NR n71 DFT-BPSK /25@12 20M	Right Cheek	137600	688	22.86	-0.06	23.0	0.221	1.033	0.228
	NR n71 DFT-BPSK /25@12 20M	Right Tilted	137600	688	22.86	0.03	23.0	0.186	1.033	0.192
	NR n71 DFT-BPSK /25@12 20M	Left Cheek	137600	688	22.86	-0.07	23.0	0.189	1.033	0.195
	NR n71 DFT-BPSK /25@12 20M	Left Tilted	137600	688	22.86	0.01	23.0	0.177	1.033	0.183
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n77(3450MHz~3550MHz) DFT-BPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n77 DFT-BPSK /1@1 100M	Right Cheek	633334	3500.01	24.03	0.02	24.5	0.211	1.114	0.235
	NR n77 DFT-BPSK /1@1 100M	Right Tilted	633334	3500.01	24.03	-0.08	24.5	0.377	1.114	0.420
	NR n77 DFT-BPSK /1@1 100M	Left Cheek	633334	3500.01	24.03	-0.07	24.5	0.426	1.114	0.475
	NR n77 DFT-BPSK /1@1 100M	Left Tilted	633334	3500.01	24.03	-0.19	24.5	0.511	1.114	0.569
	NR n77 DFT-BPSK /137@67 100M	Right Cheek	633334	3500.01	24.73	-0.10	25.0	0.284	1.064	0.302
	NR n77 DFT-BPSK /137@67 100M	Right Tilted	633334	3500.01	24.73	0.17	25.0	0.435	1.064	0.463
	NR n77 DFT-BPSK /137@67 100M	Left Cheek	633334	3500.01	24.73	0.10	25.0	0.510	1.064	0.543
16	NR n77 DFT-BPSK /137@67 100M	Left Tilted	633334	3500.01	24.73	-0.12	25.0	**0.649**	1.064	0.691
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n77(3700MHz~3980MHz) DFT-BPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n77 DFT-BPSK /1@271 100M	Right Cheek	650000	3750	24.82	0.14	25.0	0.285	1.042	0.297
	NR n77 DFT-BPSK /1@271 100M	Right Tilted	650000	3750	24.82	-0.11	25.0	0.386	1.042	0.402
	NR n77 DFT-BPSK /1@271 100M	Left Cheek	650000	3750	24.82	-0.18	25.0	0.473	1.042	0.493
	NR n77 DFT-BPSK /1@271 100M	Left Tilted	650000	3750	24.82	0.10	25.0	0.641	1.042	0.668
	NR n77 DFT-BPSK /137@67 100M	Right Cheek	656000	3840	25.65	0.13	26.0	0.311	1.084	0.337
	NR n77 DFT-BPSK /137@67 100M	Right Tilted	656000	3840	25.65	-0.10	26.0	0.492	1.084	0.533
	NR n77 DFT-BPSK /137@67 100M	Left Cheek	656000	3840	25.65	0.05	26.0	0.587	1.084	0.636
17	NR n77 DFT-BPSK /137@67 100M	Left Tilted	656000	3840	25.65	-0.08	26.0	**0.722**	1.084	0.783
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ WLAN 2.4 GHz Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR_{1g} (W/kg)
	2.4GHz/802.11b ANT 7	Right Cheek	1	2412	16.64	0.07	17.0	0.093	1.086	1.000	0.101
	2.4GHz/802.11b ANT 7	Right Tilted	1	2412	16.64	0.04	17.0	0.031	1.086	1.000	0.034
	2.4GHz/802.11b ANT 7	Left Cheek	1	2412	16.64	0.00	17.0	0.220	1.086	1.000	0.239
	2.4GHz/802.11b ANT 7	Left Tilted	1	2412	16.64	0.06	17.0	0.082	1.086	1.000	0.089
	2.4GHz/802.11b ANT 6-2	Right Cheek	6	2437	16.00	0.01	16.5	0.100	1.122	1.000	0.112
	2.4GHz/802.11b ANT 6-2	Right Tilted	6	2437	16.00	-0.05	16.5	0.055	1.122	1.000	0.062
18	2.4GHz/802.11b ANT 6-2	Left Cheek	6	2437	16.00	-0.07	16.5	**0.290**	1.122	1.000	0.325
	2.4GHz/802.11b ANT 6-2	Left Tilted	6	2437	16.00	0.08	16.5	0.151	1.122	1.000	0.169
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**						

➢ WLAN 5.2 GHz Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR_{1g} (W/kg)
	5.2GHz/802.11a	Right Cheek	48	5240	16.43	0.07	17.0	0.075	1.14	1.000	0.086
	5.2GHz/802.11a	Right Tilted	48	5240	16.43	0.11	17.0	0.033	1.14	1.000	0.038
19	5.2GHz/802.11a	Left Cheek	48	5240	16.43	-0.08	17.0	**0.208**	1.14	1.000	0.237
	5.2GHz/802.11a	Left Tilted	48	5240	16.43	0.02	17.0	0.115	1.14	1.000	0.131
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**						

➢ WLAN 5.8 GHz Head SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR_{1g} (W/kg)
	5.8GHz/802.11a	Right Cheek	165	5825	17.15	0.01	17.5	0.090	1.084	1.000	0.098
	5.8GHz/802.11a	Right Tilted	165	5825	17.15	0.07	17.5	0.047	1.084	1.000	0.051
20	5.8GHz/802.11a	Left Cheek	165	5825	17.15	0.05	17.5	**0.277**	1.084	1.000	0.300
	5.8GHz/802.11a	Left Tilted	165	5825	17.15	0.09	17.5	0.155	1.084	1.000	0.168
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**						

Note:

1. Per KDB 447498 D01v06, for each exposure position, if the highest output power channel Reported SAR ≤ 0.8W/kg, other channels SAR testing is not necessary.
2. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥ 0.8W/kg.
3. Per KDB 941225 D05v02r05, 100% RB allocation SAR measurement is not required when the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg.
4. Per KDB 248227 D01v02r02, for 802.11b DSSS , when the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required in that exposure configuration.
5. Per KDB 248227 D01v02r02, OFDM SAR 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. Cuz the maximum output power specified for OFDM and DSSS are 28.18mW(14.5dBm) and 44.67mW(16.5dBm), the scaled SAR would be 0.325×(28.18/44.67)=0.205W/Kg<1.2 W/kg, therefore, SAR is not required for OFDM.
6. According to KDB 865664 D02v01r02, SAR plot is required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination.
7. Highlight part of test data means repeated test.

15.2 Standalone Body SAR

➢ GSM Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	GPRS850/2 slots	Front	190	836.6	32.60	0.15	33.0	0.255	1.096	0.279
21	GPRS850/2 slots	Back	190	836.6	32.60	0.01	33.0	**0.511**	1.096	0.560
	GPRS1900/2 slots	Front	512	1850.2	29.34	-0.01	29.5	0.158	1.038	0.164
22	GPRS1900/2 slots	Back	512	1850.2	29.34	-0.09	29.5	**0.247**	1.038	0.256
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ WCDMA Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band V/RMC	Front	4183	836.6	23.53	0.02	24.0	0.187	1.114	0.208
23	Band V/RMC	Back	4183	836.6	23.53	-0.07	24.0	**0.290**	1.114	0.323
	Band IV/RMC	Front	1312	1712.4	23.59	0.00	24.0	0.169	1.099	0.186
24	Band IV/RMC	Back	1312	1712.4	23.59	-0.16	24.0	**0.305**	1.099	0.335
	Band II/RMC	Front	9538	1907.6	23.37	-0.06	23.5	0.305	1.030	0.314
25	Band II/RMC	Back	9538	1907.6	23.37	-0.07	23.5	**0.321**	1.030	0.331
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ FDD-LTE Band 2(20MHz) QPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band2/1RB#49	Front	18700	1860	23.72	0.08	24.0	0.103	1.067	0.110
26	Band2/1RB#49	Back	18700	1860	23.72	0.02	24.0	**0.177**	1.067	0.189
	Band2/50%RB#24	Front	18700	1860	22.58	-0.04	23.0	0.096	1.102	0.106
	Band2/50%RB#24	Back	18700	1860	22.58	-0.17	23.0	0.162	1.102	0.179
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ FDD-LTE Band 5(10MHz) QPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band5/1RB#24	Front	20525	836.5	23.75	-0.10	24.0	0.212	1.059	0.225
27	Band5/1RB#24	Back	20525	836.5	23.75	-0.03	24.0	**0.309**	1.059	0.327
	Band5/50%RB#12	Front	20525	836.5	22.77	0.03	23.0	0.203	1.054	0.214
	Band5/50%RB#12	Back	20525	836.5	22.77	0.11	23.0	0.291	1.054	0.307
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ FDD-LTE Band 7(20MHz) QPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band7/1RB#49	Front	20850	2510	23.55	-0.09	24.0	0.128	1.109	0.142
28	Band7/1RB#49	Back	20850	2510	23.55	0.03	24.0	**0.232**	1.109	0.257
	Band7/50%RB#0	Front	20850	2510	22.54	-0.12	23.0	0.096	1.112	0.107
	Band7/50%RB#0	Back	20850	2510	22.54	-0.19	23.0	0.186	1.112	0.207
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ TDD-LTE Band 41(20MHz) QPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR_{1g} (W/kg)
	Band41/1RB#49	Front	41140	2645	22.88	0.03	23.0	0.113	1.028	1.008	0.117
29	Band41/1RB#49	Back	41140	2645	22.88	0.09	23.0	**0.239**	1.028	1.008	0.248
	Band41/50%RB#24	Front	41140	2645	21.89	-0.14	22.0	0.105	1.026	1.008	0.109
	Band41/50%RB#24	Back	41140	2645	21.89	0.03	22.0	0.210	1.026	1.008	0.217
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**						

➢ FDD-LTE Band 66(20MHz) QPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band66/1RB#49	Front	132572	1770	22.89	-0.05	23.5	0.186	1.151	0.214
30	Band66/1RB#49	Back	132572	1770	22.89	-0.07	23.5	**0.276**	1.151	0.318
	Band66/50%RB#24	Front	132572	1770	21.96	-0.01	22.5	0.156	1.132	0.177
	Band66/50%RB#24	Back	132572	1770	21.96	-0.20	22.5	0.248	1.132	0.281
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n2 DFT-BPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n2 DFT-BPSK /1@1 20M	Front	372000	1860	23.43	-0.05	24.0	0.102	1.140	0.116
31	NR n2 DFT-BPSK /1@1 20M	Back	372000	1860	23.43	-0.03	24.0	**0.154**	1.140	0.176
	NR n2 DFT-BPSK /25@12 20M	Front	372000	1860	23.46	0.07	24.0	0.079	1.132	0.089
	NR n2 DFT-BPSK /25@12 20M	Back	372000	1860	23.46	-0.03	24.0	0.103	1.132	0.117
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n5 DFT-BPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n5 DFT-BPSK /1@49 20M	Front	166800	834	22.49	0.01	23.0	0.111	1.125	0.125
32	NR n5 DFT-BPSK /1@49 20M	Back	166800	834	22.49	-0.05	23.0	**0.185**	1.125	0.208
	NR n5 DFT-BPSK /25@12 20M	Front	167800	839	22.60	0.19	23.0	0.104	1.096	0.114
	NR n5 DFT-BPSK /25@12 20M	Back	167800	839	22.60	-0.03	23.0	0.151	1.096	0.165
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n41 DFT-BPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n41 DFT-BPSK /1@271 100M	Front	520998	2604.99	24.52	-0.07	25.5	0.054	1.253	0.068
	NR n41 DFT-BPSK /1@271 100M	Back	520998	2604.99	24.52	-0.20	25.0	0.085	1.117	0.095
	NR n41 DFT-BPSK /137@67 100M	Front	519000	2595	25.30	-0.05	25.5	0.066	1.047	0.069
33	NR n41 DFT-BPSK /137@67 100M	Back	519000	2595	25.30	0.02	25.5	**0.101**	1.047	0.106
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n66 DFT-BPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n66 DFT-BPSK /1@104 40M	Front	346000	1730	21.65	0.13	22.0	0.113	1.084	0.122
34	NR n66 DFT-BPSK /1@104 40M	Back	346000	1730	21.65	0.02	22.0	**0.179**	1.084	0.194
	NR n66 DFT-BPSK /50@25 40M	Front	352000	1760	22.03	-0.08	22.5	0.103	1.114	0.115
	NR n66 DFT-BPSK /50@25 40M	Back	352000	1760	22.03	0.01	22.5	0.152	1.114	0.169
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n71 DFT-BPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n71 DFT-BPSK /1@1 20M	Front	137600	688	22.69	-0.05	23.0	0.057	1.074	0.061
35	NR n71 DFT-BPSK /1@1 20M	Back	137600	688	22.69	0.00	23.0	**0.088**	1.074	0.094
	NR n71 DFT-BPSK /25@12 20M	Front	137600	688	22.86	-0.08	23.0	0.037	1.033	0.038
	NR n71 DFT-BPSK /25@12 20M	Back	137600	688	22.86	0.12	23.0	0.058	1.033	0.060
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n77(3450MHz~3550MHz) DFT-BPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n77 DFT-BPSK /1@1 100M	Front	633334	3500.01	24.03	-0.20	24.5	0.046	1.114	0.051
	NR n77 DFT-BPSK /1@1 100M	Back	633334	3500.01	24.03	0.18	24.5	0.063	1.114	0.070
	NR n77 DFT-BPSK /137@67 100M	Front	633334	3500.01	24.73	0.08	25.0	0.066	1.064	0.070
36	NR n77 DFT-BPSK /137@67 100M	Back	633334	3500.01	24.73	0.07	25.0	**0.084**	1.064	0.089
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n77(3700MHz~3980MHz) DFT-BPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n77 DFT-BPSK /1@271 100M	Front	650000	3750	24.82	0.13	25.0	0.054	1.042	0.056
	NR n77 DFT-BPSK /1@271 100M	Back	650000	3750	24.82	0.03	25.0	0.175	1.042	0.182
	NR n77 DFT-BPSK /137@67 100M	Front	656000	3840	25.65	0.06	26.0	0.036	1.084	0.039
37	NR n77 DFT-BPSK /137@67 100M	Back	656000	3840	25.65	-0.03	26.0	**0.279**	1.084	0.302
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ WLAN 2.4 GHz Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR_{1g} (W/kg)
	2.4GHz/802.11b ANT 7	Front	1	2412	16.64	0.11	17.0	0.047	1.086	1.000	0.051
	2.4GHz/802.11b ANT 7	Back	1	2412	16.64	0.18	17.0	0.094	1.086	1.000	0.102
	2.4GHz/802.11b ANT 6-2	Front	6	2437	16.00	-0.03	16.5	0.051	1.122	1.000	0.057
38	2.4GHz/802.11b ANT 6-2	Back	6	2437	16.00	-0.07	16.5	**0.133**	1.122	1.000	0.149
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**						

➢ WLAN 5.2 GHz Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR_{1g} (W/kg)
	5.2GHz/802.11a	Front	48	5240	16.43	0.02	17.0	0.211	1.140	1.000	0.241
39	5.2GHz/802.11a	Back	48	5240	16.43	0.00	17.0	**0.359**	1.140	1.000	0.409
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**						

➢ WLAN 5.8 GHz Body SAR

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR_{1g} (W/kg)
	5.8GHz/802.11a	Front	165	5825	17.15	0.05	17.5	0.154	1.084	1.000	0.167
40	5.8GHz/802.11a	Back	165	5825	17.15	0.00	17.5	**0.236**	1.084	1.000	0.256
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**						

Note:

1. Body-worn SAR testing was performed at 10mm separation, and this distance is determined by the handset manufacturer that there will be body-worn accessories that users may acquire at the time of equipment certification, to enable users to purchase aftermarket body-worn accessories with the required minimum separation.
2. Per KDB 941225 D06v02r01, when the same wireless modes and device transmission configurations are required for testing body-worn accessories and hotspot mode, it is not necessary to test body-worn accessory SAR for the same device orientation if the test separation distance for hotspot mode is more conservative than that used for body-worn accessories.
3. Body-worn exposure conditions are intended to voice call operations, therefore GSM voice call is selected to be tested.
4. Per KDB 648474 D04v01r03, when the *Reported* SAR for a body-worn accessory measured without a headset connected to the handset is ≤ 1.2 W/kg, SAR testing with a headset connected to the handset is not required.
5. The WLAN SAR perform the front and back position, due considered the simultaneous SAR for body-worn.
6. Per KDB 447498 D01v06, for each exposure position, if the highest output channel Reported SAR ≤0.8W/kg, other channels SAR testing is not necessary.
7. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥0.8W/kg.
8. Per KDB 941225 D05v02r05, 100% RB allocation SAR measurement is not required when the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg.
9. According to KDB 865664 D02v01r02, SAR plot is required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination.
10. Highlight part of test data means repeated test.

15.3 Body SAR in Hotspot Mode

➢ GSM Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	GPRS850/2 slots	Front	190	836.6	32.60	0.15	33.0	0.255	1.096	0.279
21	GPRS850/2 slots	Back	190	836.6	32.60	0.01	33.0	**0.511**	1.096	0.560
	GPRS850/2 slots	Left	190	836.6	32.60	0.16	33.0	0.125	1.096	0.137
	GPRS850/2 slots	Top	190	836.6	32.60	-0.11	33.0	0.356	1.096	0.390
	GPRS1900/2 slots	Front	512	1850.2	29.34	-0.01	29.5	0.158	1.038	0.164
	GPRS1900/2 slots	Back	512	1850.2	29.34	-0.09	29.5	0.247	1.038	0.256
	GPRS1900/2 slots	Left	512	1850.2	29.34	0.08	29.5	0.113	1.038	0.117
41	GPRS1900/2 slots	Top	512	1850.2	29.34	0.05	29.5	**0.363**	1.038	0.377
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ WCDMA Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band V/RMC	Front	4183	836.6	23.53	0.02	24.0	0.187	1.114	0.208
23	Band V/RMC	Back	4183	836.6	23.53	-0.07	24.0	**0.290**	1.114	0.323
	Band V/RMC	Left	4183	836.6	23.53	-0.05	24.0	0.122	1.114	0.136
	Band V/RMC	Top	4183	836.6	23.53	-0.04	24.0	0.227	1.114	0.253
	Band IV/RMC	Front	1312	1712.4	23.59	0.00	24.0	0.169	1.099	0.186
	Band IV/RMC	Back	1312	1712.4	23.59	-0.16	24.0	0.305	1.099	0.335
	Band IV/RMC	Left	1312	1712.4	23.59	-0.13	24.0	0.105	1.099	0.115
42	Band IV/RMC	Top	1312	1712.4	23.59	0.02	24.0	**0.347**	1.099	0.381
	Band II/RMC	Front	9538	1907.6	23.37	-0.06	23.5	0.305	1.030	0.314
	Band II/RMC	Back	9538	1907.6	23.37	-0.07	23.5	0.321	1.030	0.331
	Band II/RMC	Left	9538	1907.6	23.37	0.04	23.5	0.147	1.030	0.151
43	Band II/RMC	Top	9538	1907.6	23.37	-0.01	23.5	**0.481**	1.030	0.495
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ FDD-LTE Band 2(20MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band2/1RB#49	Front	18700	1860	23.72	0.08	24.0	0.103	1.067	0.110
	Band2/1RB#49	Back	18700	1860	23.72	0.02	24.0	0.177	1.067	0.189
	Band2/1RB#49	Left	18700	1860	23.72	0.01	24.0	0.096	1.067	0.102
44	Band2/1RB#49	Top	18700	1860	23.72	0.17	24.0	**0.360**	1.067	0.384
	Band2/50%RB#24	Front	18700	1860	22.58	-0.04	23.0	0.096	1.102	0.106
	Band2/50%RB#24	Back	18700	1860	22.58	-0.17	23.0	0.162	1.102	0.179
	Band2/50%RB#24	Left	18700	1860	22.58	-0.12	23.0	0.091	1.102	0.100
	Band2/50%RB#24	Top	18700	1860	22.58	0.01	23.0	0.338	1.102	0.372
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ FDD-LTE Band 5(10MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band5/1RB#24	Front	20525	836.5	23.75	-0.10	24.0	0.212	1.059	0.225
27	Band5/1RB#24	Back	20525	836.5	23.75	-0.03	24.0	**0.309**	1.059	0.327
	Band5/1RB#24	Left	20525	836.5	23.75	-0.02	24.0	0.186	1.059	0.197
	Band5/1RB#24	Top	20525	836.5	23.75	-0.15	24.0	0.236	1.059	0.250
	Band5/50%RB#12	Front	20525	836.5	22.77	0.03	23.0	0.203	1.054	0.214
	Band5/50%RB#12	Back	20525	836.5	22.77	0.11	23.0	0.291	1.054	0.307
	Band5/50%RB#12	Left	20525	836.5	22.77	0.13	23.0	0.185	1.054	0.195
	Band5/50%RB#12	Top	20525	836.5	22.77	-0.06	23.0	0.223	1.054	0.235
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ FDD-LTE Band 7(20MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band7/1RB#49	Front	20850	2510	23.55	-0.09	24.0	0.128	1.109	0.142
	Band7/1RB#49	Back	20850	2510	23.55	0.03	24.0	0.232	1.109	0.257
	Band7/1RB#49	Left	20850	2510	23.55	-0.16	24.0	0.086	1.109	0.095
45	Band7/1RB#49	Top	20850	2510	23.55	0.04	24.0	**0.273**	1.109	0.303
	Band7/50%RB#0	Front	20850	2510	22.54	-0.12	23.0	0.096	1.112	0.107
	Band7/50%RB#0	Back	20850	2510	22.54	-0.19	23.0	0.186	1.112	0.207
	Band7/50%RB#0	Left	20850	2510	22.54	0.03	23.0	0.058	1.112	0.064
	Band7/50%RB#0	Top	20850	2510	22.54	0.05	23.0	0.210	1.112	0.234
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ TDD-LTE Band 41(20MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR_{1g} (W/kg)
	Band41/1RB#49	Front	41140	2645	22.88	0.03	23.0	0.113	1.028	1.008	0.117
29	Band41/1RB#49	Back	41140	2645	22.88	0.09	23.0	**0.239**	1.028	1.008	0.248
	Band41/1RB#49	Left	41140	2645	22.88	-0.09	23.0	0.120	1.028	1.008	0.124
	Band41/1RB#49	Top	41140	2645	22.88	0.09	23.0	0.204	1.028	1.008	0.211
	Band41/50%RB#24	Front	41140	2645	21.89	-0.14	22.0	0.105	1.026	1.008	0.109
	Band41/50%RB#24	Back	41140	2645	21.89	0.03	22.0	0.210	1.026	1.008	0.217
	Band41/50%RB#24	Left	41140	2645	21.89	-0.16	22.0	0.108	1.026	1.008	0.112
	Band41/50%RB#24	Top	41140	2645	21.89	-0.08	22.0	0.187	1.026	1.008	0.193
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**						

➢ FDD-LTE Band 66(20MHz) QPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	Reported SAR_{1g} (W/kg)
	Band66/1RB#49	Front	132572	1770	22.89	-0.05	23.5	0.186	1.151	0.214
	Band66/1RB#49	Back	132572	1770	22.89	-0.07	23.5	0.276	1.151	0.318
	Band66/1RB#49	Left	132572	1770	22.89	-0.11	23.5	0.171	1.151	0.197
46	Band66/1RB#49	Top	132572	1770	22.89	-0.05	23.5	**0.285**	1.151	0.328
	Band66/50%RB#24	Front	132572	1770	21.96	-0.01	22.5	0.156	1.132	0.177
	Band66/50%RB#24	Back	132572	1770	21.96	-0.20	22.5	0.248	1.132	0.281
	Band66/50%RB#24	Left	132572	1770	21.96	0.00	22.5	0.142	1.132	0.161
	Band66/50%RB#24	Top	132572	1770	21.96	-0.20	22.5	0.262	1.132	0.297
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n2 DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n2 DFT-BPSK /1@1 20M	Front	372000	1860	23.43	-0.05	24.0	0.102	1.140	0.116
	NR n2 DFT-BPSK /1@1 20M	Back	372000	1860	23.43	-0.03	24.0	0.154	1.140	0.176
	NR n2 DFT-BPSK /1@1 20M	Left	372000	1860	23.43	0.13	24.0	0.033	1.140	0.038
47	NR n2 DFT-BPSK /1@1 20M	Top	372000	1860	23.43	0.06	24.0	**0.197**	1.140	0.225
	NR n2 DFT-BPSK /25@12 20M	Front	372000	1860	23.46	0.07	24.0	0.079	1.132	0.089
	NR n2 DFT-BPSK /25@12 20M	Back	372000	1860	23.46	-0.03	24.0	0.103	1.132	0.117
	NR n2 DFT-BPSK /25@12 20M	Left	372000	1860	23.46	0.05	24.0	0.021	1.132	0.024
	NR n2 DFT-BPSK /25@12 20M	Top	372000	1860	23.46	-0.03	24.0	0.153	1.132	0.173
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n5 DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n5 DFT-BPSK /1@49 20M	Front	166800	834	22.49	0.01	23.0	0.111	1.125	0.125
32	NR n5 DFT-BPSK /1@49 20M	Back	166800	834	22.49	-0.05	23.0	**0.185**	1.125	0.208
	NR n5 DFT-BPSK /1@49 20M	Left	166800	834	22.49	-0.06	23.0	0.084	1.125	0.095
	NR n5 DFT-BPSK /1@49 20M	Top	166800	834	22.49	0.07	23.0	0.153	1.125	0.172
	NR n5 DFT-BPSK /25@12 20M	Front	167800	839	22.60	0.19	23.0	0.104	1.096	0.114
	NR n5 DFT-BPSK /25@12 20M	Back	167800	839	22.60	-0.03	23.0	0.151	1.096	0.165
	NR n5 DFT-BPSK /25@12 20M	Left	167800	839	22.60	-0.01	23.0	0.072	1.096	0.079
	NR n5 DFT-BPSK /25@12 20M	Top	167800	839	22.60	-0.05	23.0	0.144	1.096	0.158
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population								**1.6 W/kg (mW/g) Averaged over 1g**		

➢ NR n41 DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n41 DFT-BPSK /1@271 100M	Front	520998	2604.99	24.52	-0.07	25.5	0.054	1.253	0.068
	NR n41 DFT-BPSK /1@271 100M	Back	520998	2604.99	24.52	-0.20	25.0	0.085	1.117	0.095
	NR n41 DFT-BPSK /1@271 100M	Left	520998	2604.99	24.52	-0.06	25.0	0.104	1.117	0.116
	NR n41 DFT-BPSK /137@67 100M	Front	519000	2595	25.30	-0.05	25.5	0.066	1.047	0.069
	NR n41 DFT-BPSK /137@67 100M	Back	519000	2595	25.30	0.02	25.5	0.101	1.047	0.106
48	NR n41 DFT-BPSK /137@67 100M	Left	519000	2595	25.30	0.09	25.5	**0.116**	1.047	0.121
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population								**1.6 W/kg (mW/g) Averaged over 1g**		

➢ NR n66 DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n66 DFT-BPSK /1@104 40M	Front	346000	1730	21.65	0.13	22.0	0.113	1.084	0.122
	NR n66 DFT-BPSK /1@104 40M	Back	346000	1730	21.65	0.02	22.0	0.179	1.084	0.194
	NR n66 DFT-BPSK /1@104 40M	Left	346000	1730	21.65	0.03	22.0	0.041	1.084	0.044
49	NR n66 DFT-BPSK /1@104 40M	Top	346000	1730	21.65	0.07	22.0	**0.239**	1.084	0.259
	NR n66 DFT-BPSK /50@25 40M	Front	352000	1760	22.03	-0.08	22.5	0.103	1.114	0.115
	NR n66 DFT-BPSK /50@25 40M	Back	352000	1760	22.03	0.01	22.5	0.152	1.114	0.169
	NR n66 DFT-BPSK /50@25 40M	Left	352000	1760	22.03	-0.16	22.5	0.033	1.114	0.037
	NR n66 DFT-BPSK /50@25 40M	Top	352000	1760	22.03	0.15	22.5	0.213	1.114	0.237
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population								**1.6 W/kg (mW/g) Averaged over 1g**		

➢ NR n71 DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n71 DFT-BPSK /1@1 20M	Front	137600	688	22.69	-0.05	23.0	0.057	1.074	0.061
35	NR n71 DFT-BPSK /1@1 20M	Back	137600	688	22.69	0.00	23.0	**0.088**	1.074	0.094
	NR n71 DFT-BPSK /1@1 20M	Left	137600	688	22.69	-0.13	23.0	0.015	1.074	0.016
	NR n71 DFT-BPSK /1@1 20M	Top	137600	688	22.69	0.03	23.0	0.031	1.074	0.034
	NR n71 DFT-BPSK /25@12 20M	Front	137600	688	22.86	-0.08	23.0	0.037	1.033	0.038
	NR n71 DFT-BPSK /25@12 20M	Back	137600	688	22.86	0.12	23.0	0.058	1.033	0.060
	NR n71 DFT-BPSK /25@12 20M	Left	137600	688	22.86	-0.20	23.0	0.011	1.033	0.011
	NR n71 DFT-BPSK /25@12 20M	Top	137600	688	22.86	0.08	23.0	0.043	1.033	0.044
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population								**1.6 W/kg (mW/g) Averaged over 1g**		

NR n77(3450MHz~3550MHz) DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n77 DFT-BPSK /1@1 100M	Front	633334	3500.01	24.03	-0.20	24.5	0.046	1.114	0.051
	NR n77 DFT-BPSK /1@1 100M	Back	633334	3500.01	24.03	0.18	24.5	0.063	1.114	0.070
	NR n77 DFT-BPSK /1@1 100M	Right	633334	3500.01	24.03	0.04	24.5	0.112	1.114	0.125
	NR n77 DFT-BPSK /1@1 100M	Top	633334	3500.01	24.03	0.08	24.5	0.132	1.114	0.147
	NR n77 DFT-BPSK /137@67 100M	Front	633334	3500.01	24.73	0.08	25.0	0.066	1.064	0.070
	NR n77 DFT-BPSK /137@67 100M	Back	633334	3500.01	24.73	0.07	25.0	0.084	1.064	0.089
	NR n77 DFT-BPSK /137@67 100M	Right	633334	3500.01	24.73	0.01	25.0	0.105	1.064	0.112
50	NR n77 DFT-BPSK /137@67 100M	Top	633334	3500.01	24.73	0.04	25.0	**0.164**	1.064	0.174
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ NR n77(3700MHz~3980MHz) DFT-BPSK Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Variation (%)	Tune-Up Limit (dBm)	Meas. SAR_{10g} (W/kg)	Scaling Factor	Reported SAR_{10g} (W/kg)
	NR n77 DFT-BPSK /1@271 100M	Front	650000	3750	24.82	0.13	25.0	0.054	1.042	0.056
	NR n77 DFT-BPSK /1@271 100M	Back	650000	3750	24.82	0.03	25.0	0.175	1.042	0.182
	NR n77 DFT-BPSK /1@271 100M	Right	650000	3750	24.82	0.14	25.0	0.144	1.042	0.150
	NR n77 DFT-BPSK /1@271 100M	Top	650000	3750	24.82	0.03	25.0	0.219	1.042	0.228
	NR n77 DFT-BPSK /137@67 100M	Front	656000	3840	25.65	0.06	26.0	0.036	1.084	0.039
	NR n77 DFT-BPSK /137@67 100M	Back	656000	3840	25.65	-0.03	26.0	0.279	1.084	0.302
	NR n77 DFT-BPSK /137@67 100M	Right	656000	3840	25.65	0.09	26.0	0.228	1.084	0.247
51	NR n77 DFT-BPSK /137@67 100M	Top	656000	3840	25.65	0.16	26.0	**0.320**	1.084	0.347
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**					

➢ WLAN 2.4GHz Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR_{1g} (W/kg)
	2.4GHz/802.11b ANT 7	Front	1	2412	16.64	0.11	17.0	0.047	1.086	1.000	0.051
	2.4GHz/802.11b ANT 7	Back	1	2412	16.64	0.18	17.0	0.094	1.086	1.000	0.102
	2.4GHz/802.11b ANT 7	Right	1	2412	16.64	0.03	17.0	0.034	1.086	1.000	0.037
	2.4GHz/802.11b ANT 7	Top	1	2412	16.64	-0.06	17.0	0.068	1.086	1.000	0.074
	2.4GHz/802.11b ANT 6-2	Front	6	2437	16.00	-0.03	16.5	0.051	1.122	1.000	0.057
38	2.4GHz/802.11b ANT 6-2	Back	6	2437	16.00	-0.07	16.5	**0.133**	1.122	1.000	0.149
	2.4GHz/802.11b ANT 6-2	Right	6	2437	16.00	-0.05	16.5	0.101	1.122	1.000	0.113
	2.4GHz/802.11b ANT 6-2	Top	6	2437	16.00	0.04	16.5	0.038	1.122	1.000	0.043
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**						

➢ WLAN 5.2GHz Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR_{1g} (W/kg)
	5.2GHz/802.11a	Front	48	5240	16.43	0.02	17.0	0.211	1.140	1.000	0.241
	5.2GHz/802.11a	Back	48	5240	16.43	0.00	17.0	0.359	1.140	1.000	0.409
52	5.2GHz/802.11a	Right	48	5240	16.43	0.02	17.0	**0.687**	1.140	1.000	0.783
	5.2GHz/802.11a	Top	48	5240	16.43	-0.05	17.0	0.091	1.140	1.000	0.104
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**						

➢ WLAN 5.8GHz Body SAR in Hotspot mode

Plot No.	Band/Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Power Drift (dB)	Tune-Up Limit (dBm)	Meas. SAR_{1g} (W/kg)	Scaling Factor	D.C Factor	Reported SAR_{1g} (W/kg)
	5.8GHz/802.11a	Front	165	5825	17.15	0.05	17.5	0.154	1.084	1.000	0.167
	5.8GHz/802.11a	Back	165	5825	17.15	0.00	17.5	0.236	1.084	1.000	0.256
53	5.8GHz/802.11a	Right	165	5825	17.15	0.00	17.5	**0.624**	1.084	1.000	0.676
	5.8GHz/802.11a	Top	165	5825	17.15	0.05	17.5	0.088	1.084	1.000	0.095
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					**1.6 W/kg (mW/g) Averaged over 1g**						

Note:

1. Per KDB 447498 D01v06, for each exposure position, if the highest output channel Reported SAR ≤0.8W/kg, other channels SAR testing is not necessary.
2. Additional WLAN SAR testing was performed for simultaneous transmission analysis.
3. For Hotspot SAR testing, per KDB 941225 D06v02r01, for EUT dimension ≥ 9cm*5cm, the test distance is 10mm. SAR must be measured for all surfaces and sides with a transmitting antenna located within 2.5cm from that surface or edge.
4. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA output power is < 0.25dB higher than RMC 12.2kbps, or Reported SAR with RMC 12.2kbps setting is ≤ 1.2W/kg, HSDPA SAR evaluation can be excluded.
5. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥0.8W/kg.
6. Per KDB 648474 D04v01r03, when the Reported SAR for a body-worn accessory measured without a headset connected to the handset is > 1.2 W/kg, SAR testing with a headset connected to the handset is required.
7. Per KDB 941225 D05v02r05, 100% RB allocation SAR measurement is not required when the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel.

8. According to KDB 865664 D02v01r02, SAR plot is required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination.
9. Highlight part of test data means repeated test.

15.4 Repeated SAR measurement

Band/ Mode	Test Position	CH.	Freq. (MHz)	Measured SAR (W/kg)				
				Original	1st Repeated		2nd Repeated	
					Value	Ratio	Value	Ratio
GSM850/Voice	Right Cheek	190	836.6	1.05	1.04	1.01	/	/
Band V/RMC	Right Cheek	4233	846.6	0.914	0.908	1.01	/	/
Band IV/RMC	Right Tilted	1312	1712.4	1.02	1.01	1.01	/	/
Band II/RMC	Right Tilted	9400	1880	1.11	1.06	1.05	/	/
Band2/1RB#49	Right Tilted	19100	1900	0.877	0.864	1.02	/	/
Band5/1RB#0	Right Cheek	20600	844	1.04	1.03	1.01	/	/
Band66/1RB#49	Right Tilted	132572	1770	0.992	0.985	1.01	/	/
NR n66/DFT-BPSK /1@104 40M	Right Cheek	349000	1745	0.881	0.875	1.01	/	/
ANSI / IEEE C95.1 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population				**1.6 W/kg (mW/g) Averaged over 1g**				

Note:
1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8 W/kg
2. Per KDB 865664 D01v01r04, if the ratio of *original* and *repeated* is ≤ 1.2 and the measured SAR <1.45 W/kg, only one repeated measurement is required.

15.5 Multi-Band Simultaneous Transmission Considerations

➢ **Simultaneous Transmission Capabilities**

According to FCC KDB Publication 447498 D01v06, transmitters are considered to be transmitting simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds. Possible transmission paths for the EUT are shown in below Figure and are color-coded to indicate communication modes which share the same path. Modes which share the same transmission path cannot transmit simultaneously with one another.

Fig.15.1 Simultaneous Transmission Paths

➢ **Simultaneous Transmission Procedures**

This device contains transmitters that may operate simultaneously. Therefore simultaneous transmission analysis is required. Per FCC KDB 447498 D01v06, simultaneous transmission SAR test exclusion may be applied when the sum of the 1-g SAR for all the simultaneous transmitting antennas in a specific a physical test configuration is ≤ 1.6 W/kg. When standalone SAR is not required to be measured, per FCC KDB 447498 D01v06 4.3.2), the following equation must be used to estimate the standalone 1g SAR for simultaneous transmission assessment involving that transmitter.

$$\text{Estimated SAR} = \frac{\sqrt{f(GHz)}}{7.5} \cdot \frac{\text{Max. power of channel, mW}}{\text{Min. Separation Distance, mm}}$$

Mode	Max. tune-up Power (dBm)	Exposure Position	Head	Body	Hotspot
		Test Distance (mm)	0	10	10
Bluetooth	8	Estimated SAR (W/kg)	0.264	0.132	0.132

Note:

1. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according is applied to determine estimated SAR.

➢ **Multi-Band simultaneous Transmission Consideration**

	Position	Applicable Combination
Simultaneous Transmission Consideration	Head	WWAN (Voice) + WLAN 2.4 GHz/5.2GHz/5.8GHz
		WWAN (Voice) + Bluetooth
	Body	WWAN (Voice) + WLAN 2.4 GHz/5.2GHz/5.8GHz
		WWAN (Voice) + Bluetooth
	Hotspot	WWAN (Data) + WLAN 2.4 GHz/5.2GHz/5.8GHz
		WWAN (Data) + Bluetooth

Note:

1. For ANT 7 WLAN 2.4GHz Band, Bluetooth share the same antenna, and cannot transmit simultaneously.
2. For ANT 6-2 WLAN 2.4GHz Band, WLAN 5.2GHz Band, WLAN 5.8GHz Band and Bluetooth share the same antenna, and cannot transmit simultaneously.
3. ANT 7 and ANT 6-2 cannot transmit simultaneously.
4. GSM/WCDMA/LTE shares the same antenna, and cannot transmit simultaneously.
5. The Report SAR summation is calculated based on the same configuration and test position.
6. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
   i. Scalar SAR summation < 1.6 W/kg.
   ii. SPLSR = $(SAR_1 + SAR_2)^{1.5}$ / (*min. separation distance, mm*), and the peak separation distance is determined from the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates of the extrapolated peak SAR locations in the zoom scan If SPLSR ≤ 0.04, simultaneously transmission SAR measurement is not necessary
   iii. Simultaneously transmission SAR measurement, and the Reported multi-band SAR < 1.6 W/kg

15.6 SAR Simultaneous Transmission Analysis

➢ **5G NR EN-DC**

Position		Standalone SAR(W/kg)			Σ SAR$_{1g}$ (W/kg)	
		LTE Band 7	LTE Band 41	NR n77 SA	5G NR EN-DC	
					DC_7A_n77	DC_41A_n77
Head	Right Cheek	0.735	0.621	0.337	1.072	0.958
	Right Tilted	0.675	0.187	0.533	1.208	0.720
	Left Cheek	0.423	0.498	0.636	1.059	1.134
	Left Tilted	0.349	0.138	0.783	1.132	0.921
Body-worn	Front	0.142	0.117	0.070	0.212	0.187
	Back	0.257	0.248	0.302	0.559	0.550
Hotspot	Front	0.142	0.117	0.070	0.212	0.187
	Back	0.257	0.248	0.302	0.559	0.550
	Left	0.095	0.124	0.000	0.095	0.124
	Right	0.000	0.000	0.247	0.247	0.247
	Top	0.303	0.211	0.347	0.650	0.558
	Bottom	0.000	0.000	0.000	0.000	0.000

➢ **Simultaneous Transmission**

Position		Standalone SAR(W/kg)				Σ SAR$_{1g}$ (W/kg)		
		1	2	3	4	1+2	1+3	1+4
		WWAN	2.4G WLAN	5G WLAN	BT			
Head	Right Cheek	1.154	0.112	0.098	0.264	1.266	1.252	1.418
	Right Tilted	1.208	0.062	0.051	0.264	1.270	1.259	1.472
	Left Cheek	1.134	0.325	0.300	0.264	**1.459**	1.434	1.398
	Left Tilted	1.132	0.169	0.168	0.264	1.301	1.300	1.396
Body-worn	Front	0.314	0.057	0.241	0.132	0.371	0.555	0.446
	Back	0.560	0.149	0.409	0.132	0.709	0.969	0.692
Hotspot	Front	0.314	0.057	0.241	0.132	0.371	0.555	0.446
	Back	0.560	0.149	0.409	0.132	0.709	0.969	0.692
	Left	0.197	0.000	0.000	0.132	0.197	0.197	0.329
	Right	0.247	0.113	0.783	0.132	0.360	1.030	0.379
	Top	0.650	0.074	0.104	0.132	0.723	0.753	0.782
	Bottom	0.000	0.000	0.000	0.132	0.000	0.000	0.132

➢ **Simultaneous Transmission Conclusion**

The above numerical summed SAR results for all the case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06.

15.7 Measurement Uncertainty

The component of uncertainly may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainly by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A Type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in below Table.

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor	1/k(b)	$1/\sqrt{3}$	$1/\sqrt{6}$	$1/\sqrt{2}$

Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.

Uncertainty Component	Section	Uncert. Value	Prob. Dist.	Div.	(C_i) (1 g)	(C_i) (10 g)	Std. Unc. (1 g)	Std. Unc. (10 g)	V_i
Measurement System									
Probe Calibration	E.2.1	±7.4%	N	1	1	1	±7.4%	±7.4%	∞
Axial Isotropy	E.2.2	±1.2%	R	$\sqrt{3}$	0.7	0.7	±0.49%	±0.49%	∞
Hemispherical Isotropy	E.2.2	±0.9%	R	$\sqrt{3}$	0.7	0.7	±0.36%	±0.36%	∞
Boundary Effects	E.2.3	±1.0%	R	$\sqrt{3}$	1	1	±0.58%	±0.58%	∞
Linearity	E.2.4	±0.9%	R	$\sqrt{3}$	1	1	±0.52%	±0.52%	∞
System Detection Limits	E.2.5	±0.25%	R	$\sqrt{3}$	1	1	±0.14%	±0.14%	∞
Readout Electronics	E.2.6	±0.3%	N	1	1	1	±0.3%	±0.3%	∞
Response Time	E.2.7	±0.8%	R	$\sqrt{3}$	1	1	±0.46%	±0.46%	∞
Integration Time	E.2.8	±2.6%	R	$\sqrt{3}$	1	1	±1.5%	±1.5%	∞
RF Ambient Noise	E.6.1	±3.0%	R	$\sqrt{3}$	1	1	±1.73%	±1.73%	∞
RF Ambient Reflections	E.6.1	±3.0%	R	$\sqrt{3}$	1	1	±1.73%	±1.73%	∞
Probe positioner mechanical tolerances	E.6.2	±0.4%	R	$\sqrt{3}$	1	1	±0.23%	±0.23%	∞
Probe positioning tolerance with respect to the phantom shell surface	E.6.3	±2.9%	R	$\sqrt{3}$	1	1	±1.68%	±1.68%	∞
Interpolation, extrapolation, and integration algorithm For max. SAR Evaluation.	E.5	±1.0%	R	$\sqrt{3}$	1	1	±0.58%	±0.58%	∞
Test Sample Related									
Device Positioning	E.4.2	±4.6%	N	1	1	1	±4.6%	±4.6%	M-1
Device Holder	E.4.1	±5.2%	N	1	1	1	±5.2%	±5.2%	M-1
Power Drift	6.6.2	±5.0%	R	$\sqrt{3}$	1	1	±2.89%	±2.89%	∞
Phantom and Setup									
Phantom Uncertainty	E.3.1	±4.0%	R	$\sqrt{3}$	1	1	±2.31%	±2.31%	∞
Liquid conductivity (measured value)	E.3.3	±3.33%	N	1	0.78	0.71	±2.6%	±2.6%	M
Liquid dielectric constant (measured value)	E.3.3	±3.25%	N	1	0.23	0.26	±0.75%	±0.85%	M
Liquid Conductivity - Temperature Uncertainty	E.3.4	±1.3%	R	$\sqrt{3}$	0.78	0.71	±0.59%	±0.53%	∞
Liquid Dielectric Constant - Temperature Uncertainty	E.3.4	±1.1%	R	$\sqrt{3}$	0.23	0.26	±0.15%	±0.17%	∞
Combined Standard Uncertainty (RSS)							±11.56%	±11.50%	
Expanded Uncertainty (95% Confidence Level, k = 2)							±23.11%	±23.0%	

Uncertainty Budget for frequency range 300 MHz to 3 GHz according to IEEE1528-2013

15.8 Measurement Conclusion

The SAR evaluation indicates that the EUT complies with the RF radiation exposure limits of the FCC and Industry Canada, with respect to all parameters subject to this test. These measurements were taken to simulate the RF effects of RF exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested. Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables.

16 Reference

[1]. FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”

[2]. ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992

[3]. IEEE Std. 1528-2013, “Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, September2013

[4]. SPEAG DASY52 System Handbook

[5]. FCC KDB 248227 D01 v02r02, “SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS”, October 2015

[6]. FCC KDB 447498 D01 v06, “RF EXPOSURE PROCEDURES AND EQUIPMENT AUTHORIZATION POLICIES FOR MOBILE AND PORTABLE DEVICES”, October 2015

[7]. FCC KDB 648474 D04 v01r03, “SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS”, October 2015

[8]. FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, October 2015

[9]. FCC KDB 941225 D05 v02r05, “SAR EVALUATION CONSIDERATIONS FOR LTE DEVICES”, Dec 2015

[10]. FCC KDB 941225 D03 v01, “Recommended SAR Test Reduction Procedures for GSM / GPRS / EDGE”, December 2008

[11]. FCC KDB 941225 D06 v02r01, " SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES", October 2015

[12]. FCC KDB 865664 D01 v01r04, “SAR MEASUREMENT REQUIREMENTS FOR 100 MHz TO 6 GHz”, August 2015

Appendix A: Plots of SAR System Check

Test Laboratory: JYTSZ Date: 03.02.2022

DUT: Dipole 750 MHz; Type: D750V3; Serial: SN:1118

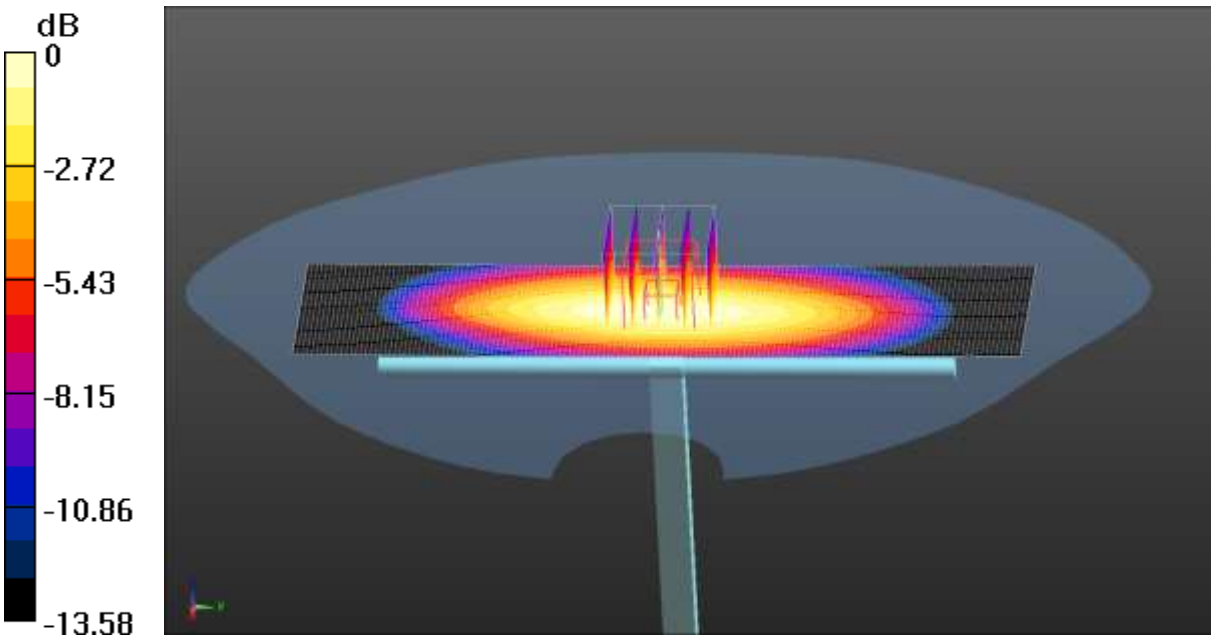
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.897 S/m; ε_r = 41.828; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN7601; ConvF(10.58, 10.58, 10.58) @ 750 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check at Frequency750 MHz Head Tissue/d=15mm, Pin=80 mW, dist=1.4mm (EX-Probe)/Area Scan (41x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.916 W/kg

System Performance Check at Frequency750 MHz Head Tissue/d=15mm, Pin=80 mW, dist=1.4mm (EX-Probe)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.62 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.458 W/kg
Smallest distance from peaks to all points 3 dB below = 16 mm
Ratio of SAR at M2 to SAR at M1 = 64.4%
Maximum value of SAR (measured) = 0.955 W/kg



0 dB = 0.955 W/kg = -0.20 dBW/kg

Test Laboratory: JYTSZ Date: 03.03.2022

DUT: Dipole 835 MHz; Type: D835V2; Serial: SN:4D154

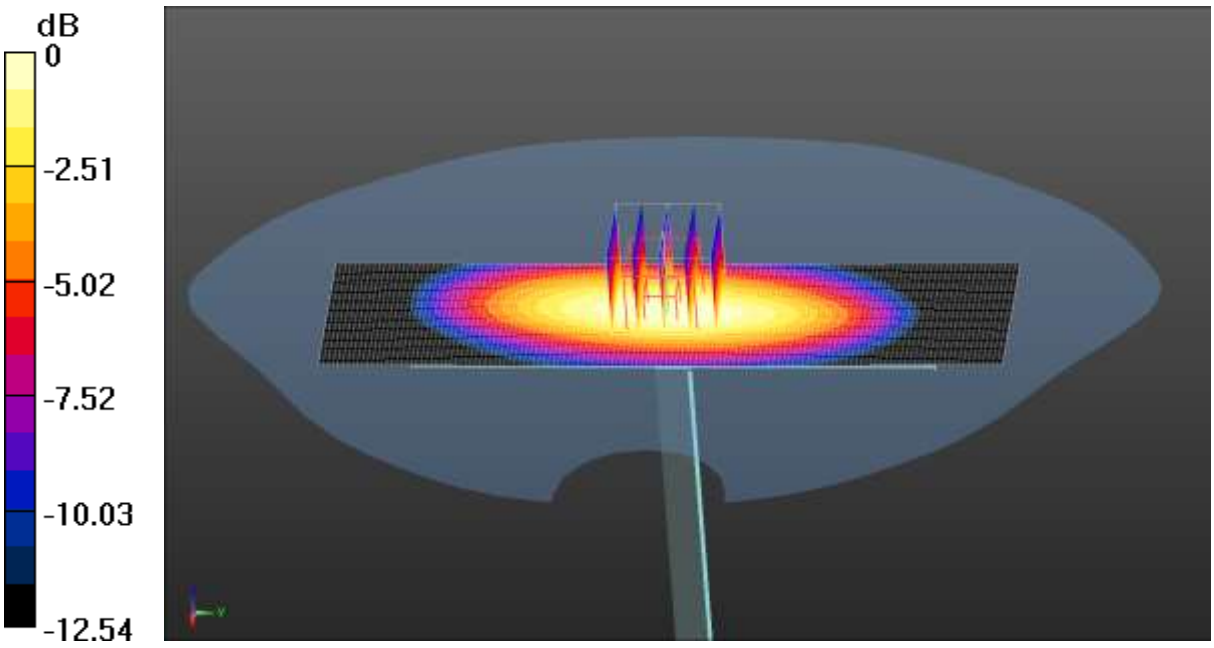
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.928 S/m; ε_r = 41.383; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN7601; ConvF(10.20, 10.20, 10.20) @ 835 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check at Frequency 835 MHz Head Tissue/d=15mm, Pin=80 mW, dist=1.4mm (EX-Probe)/Area Scan (41x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.10 W/kg

System Performance Check at Frequency 835 MHz Head Tissue/d=15mm, Pin=80 mW, dist=1.4mm (EX-Probe)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.10 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.805 W/kg; SAR(10 g) = 0.516 W/kg
Smallest distance from peaks to all points 3 dB below = 17.3 mm
Ratio of SAR at M2 to SAR at M1 = 22.9%
Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

Test Laboratory: JYTSZ Date: 03.05.2022

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: SN:1177

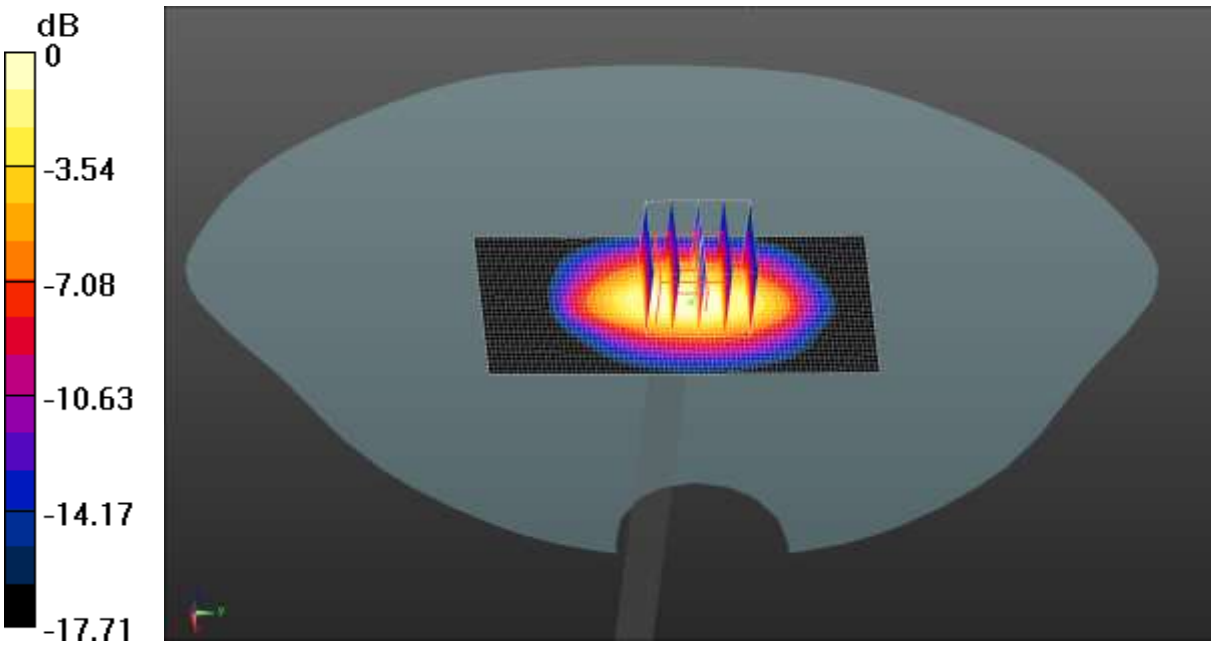
Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.313 S/m; ε_r = 41.384; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN7601; ConvF(8.62, 8.62, 8.62) @ 1750 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check at Frequency1750 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.38 W/kg

System Performance Check at Frequency1750 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 41.83 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.88 W/kg
SAR(1 g) = 1.45 W/kg; SAR(10 g) = 0.777 W/kg
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 42.3%
Maximum value of SAR (measured) = 2.36 W/kg



0 dB = 2.36 W/kg = 3.73 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN:5d175

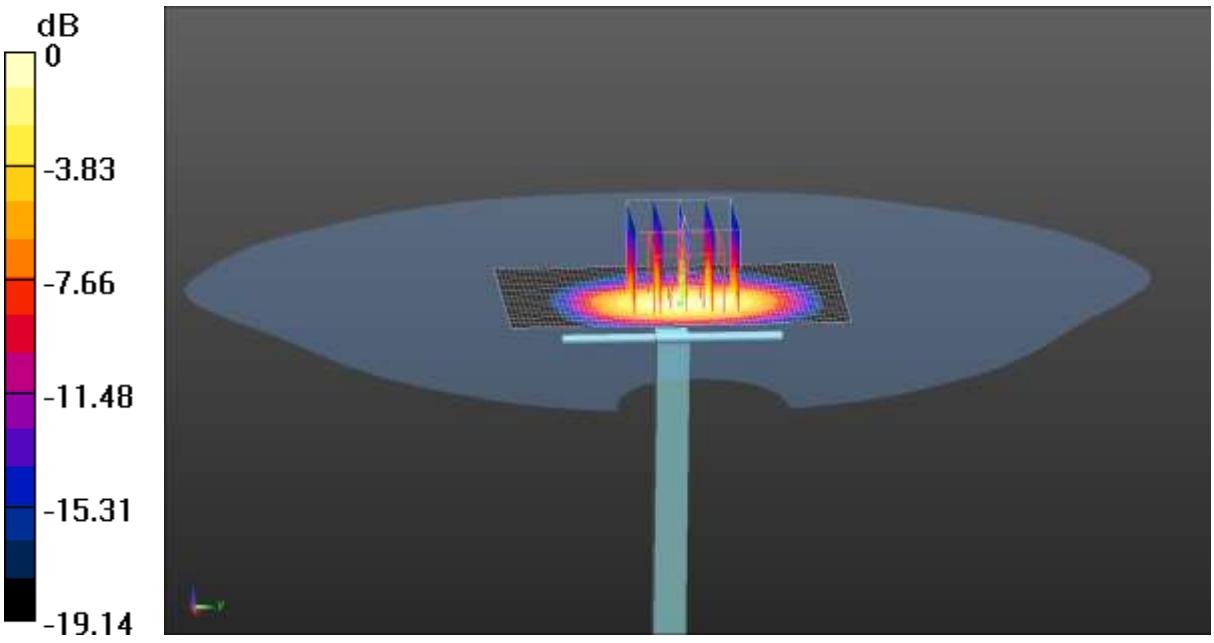
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.388 S/m; ε_r = 39.45; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN7601; ConvF(8.37, 8.37, 8.37) @ 1900 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check at Frequency 1900 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.70 W/kg

System Performance Check at Frequency 1900 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 37.55 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.31 W/kg
SAR(1 g) = 1.66 W/kg; SAR(10 g) = 0.862 W/kg
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 55.4%
Maximum value of SAR (measured) = 2.72 W/kg



0 dB = 2.72 W/kg = 4.35 dBW/kg

Test Laboratory: JYTSZ Date: 03.10.2022

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: SN:910

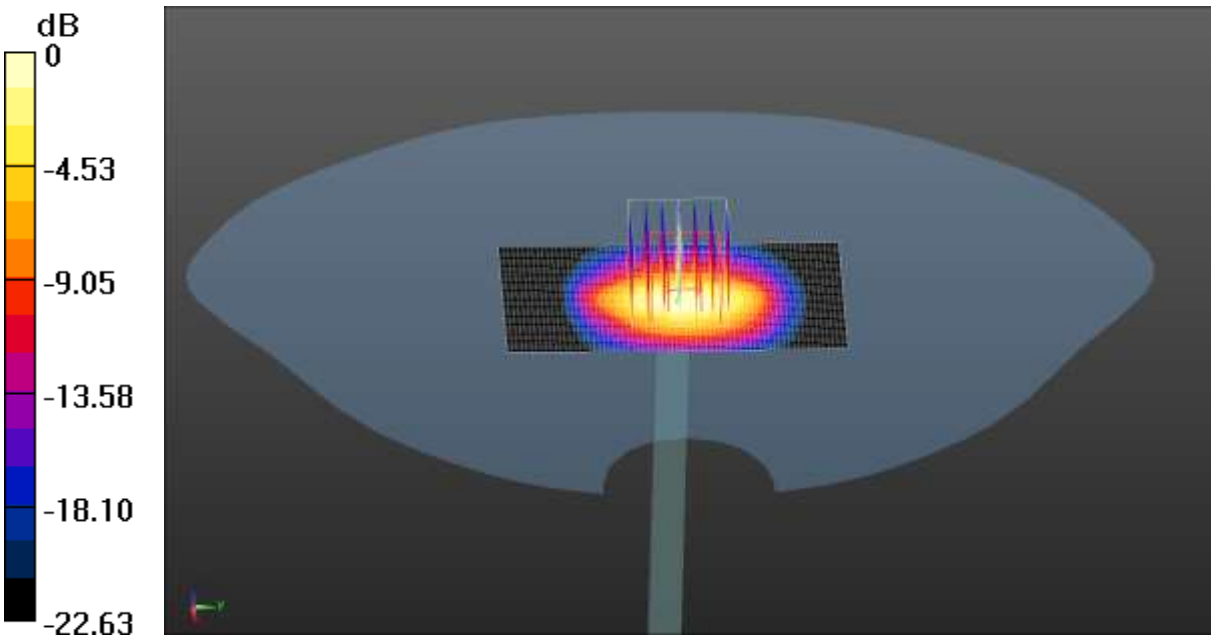
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.842 S/m; ε_r = 40.459; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN7601; ConvF(7.74, 7.74, 7.74) @ 2450 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check at Frequency2450 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (41x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 3.94 W/kg

System Performance Check at Frequency2450 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 44.07 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 4.71 W/kg
SAR(1 g) = 2.20 W/kg; SAR(10 g) = 1.01 W/kg
Smallest distance from peaks to all points 3 dB below = 9.5 mm
Ratio of SAR at M2 to SAR at M1 = 43.2%
Maximum value of SAR (measured) = 3.72 W/kg



0 dB = 3.72 W/kg = 5.71 dBW/kg

Test Laboratory: JYTSZ Date: 03.13.2022

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: SN:1114

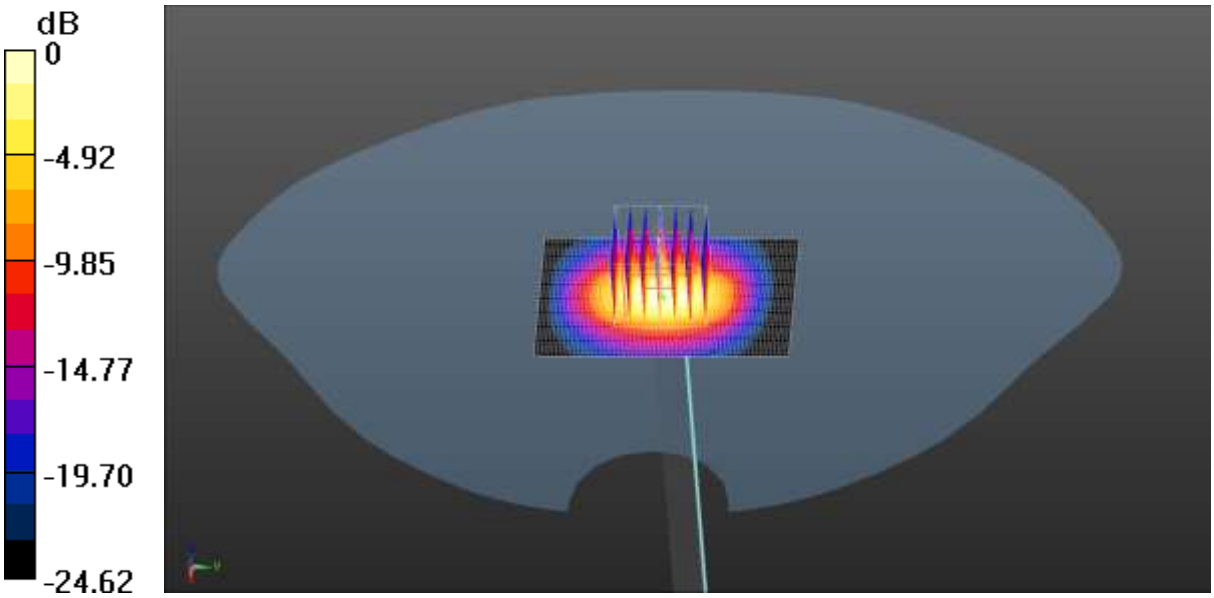
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.877 S/m; ε_r = 38.461; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN7601; ConvF(7.49, 7.49, 7.49) @ 2600 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check at Frequency 2600 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 44.47 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 5.30 W/kg
SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.07 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 46.2%
Maximum value of SAR (measured) = 4.02 W/kg

System Performance Check at Frequency 2600 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (51x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.48 W/kg



0 dB = 4.48 W/kg = 6.51 dBW/kg

Test Laboratory: JYTSZ Date: 03.14.2022

DUT: Dipole 3500 MHz; Type: D3500V2; SN:1118

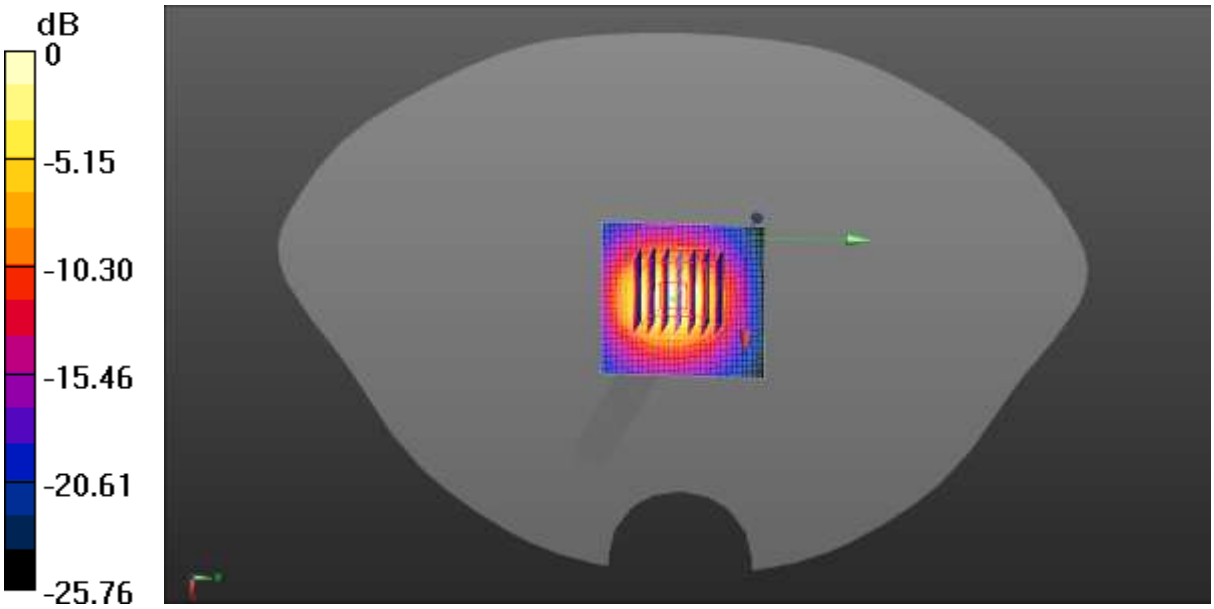
Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3500 MHz; σ = 2.93 S/m; ε_r = 36.91; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN3826; ConvF(6.61, 6.61, 6.61) @ 3500 MHz; Calibrated: 07.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check at Frequencies above 3500MHz/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 46.18 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 6.6 W/kg
SAR(1 g) = 2.55 W/kg; SAR(10 g) = 0.966 W/kg
Smallest distance from peaks to all points 3 dB below = 8.5 mm
Ratio of SAR at M2 to SAR at M1 = 45.6%
Maximum value of SAR (measured) = 4.6 W/kg

System Performance Check at Frequencies above 3500MHz/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (51x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.8 W/kg



0 dB = 4.8 W/kg = 6.81 dBW/kg

Test Laboratory: JYTSZ Date: 03.14.2022

DUT: Dipole 3700 MHz; Type: D3700V2; SN:1089

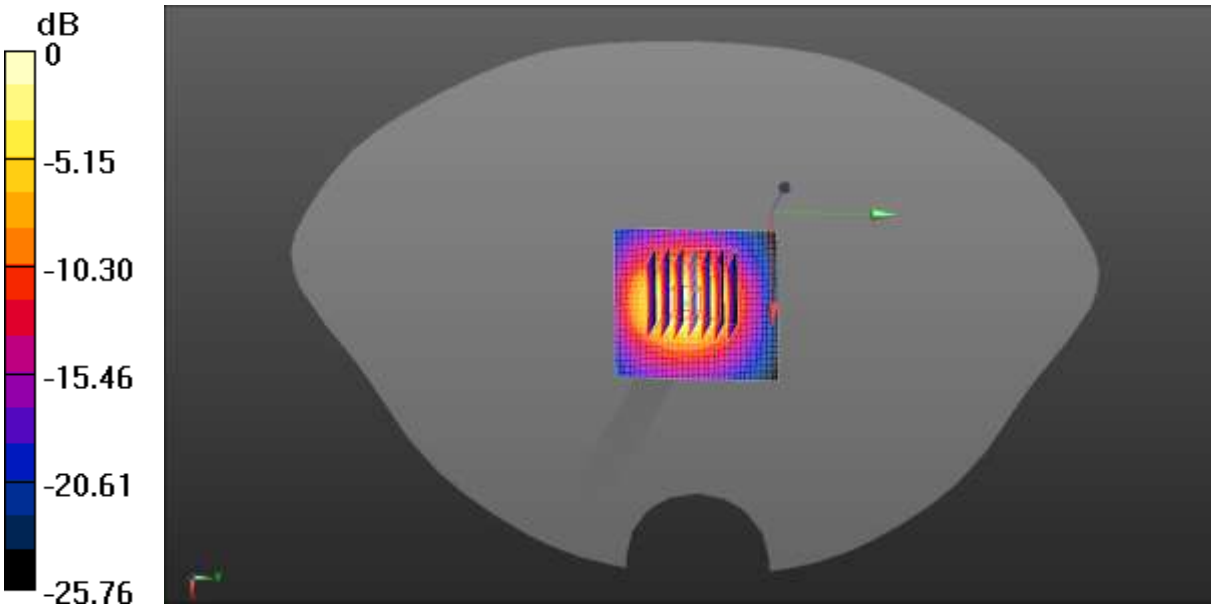
Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3700 MHz; σ = 3.03 S/m; ε_r = 36.69; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN3826; ConvF(6.31, 6.31, 6.31) @ 3700 MHz; Calibrated: 07.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check at Frequencies above 3700MHz/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 47.08 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 6.81 W/kg
SAR(1 g) = 2.62 W/kg; SAR(10 g) = 0.974 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 41.6%
Maximum value of SAR (measured) = 4.81 W/kg

System Performance Check at Frequencies above 3700MHz/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (51x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.92 W/kg



0 dB = 4.92 W/kg = 6.92 dBW/kg

Test Laboratory: JYTSZ Date: 03.14.2022

DUT: Dipole 3900 MHz; Type: D3900V2; SN:1064

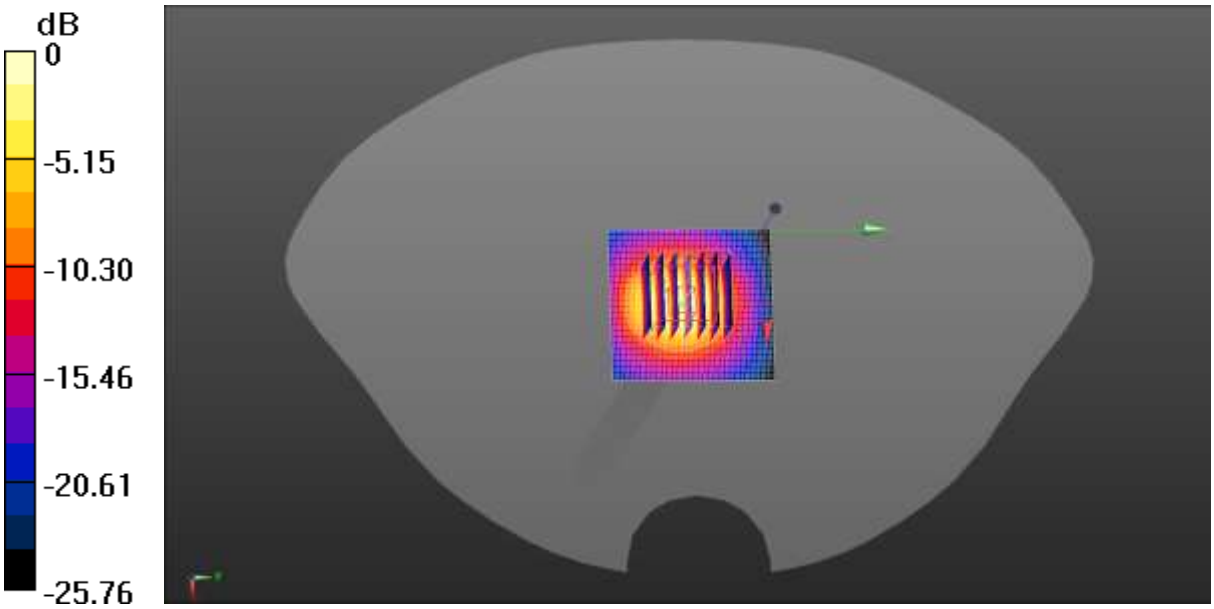
Communication System: UID 0, CW (0); Frequency: 3900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3900 MHz; σ = 3.30 S/m; ε_r = 36.30; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN3826; ConvF(6.21, 6.21, 6.21) @ 3900 MHz; Calibrated: 07.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check at Frequencies above 3900MHz/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7) (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 59.44 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 6.95 W/kg
SAR(1 g) = 2.84 W/kg; SAR(10 g) = 0.980 W/kg
Smallest distance from peaks to all points 3 dB below = 7.77 mm
Ratio of SAR at M2 to SAR at M1 = 36.58%
Maximum value of SAR (measured) = 5.10 W/kg

System Performance Check at Frequencies above 3900MHz/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (51x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 5.08 W/kg



0 dB = 5.08 W/kg = 7.06 dBW/kg

Test Laboratory: JYTSZ Date: 03.16.2022

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: SN:1182

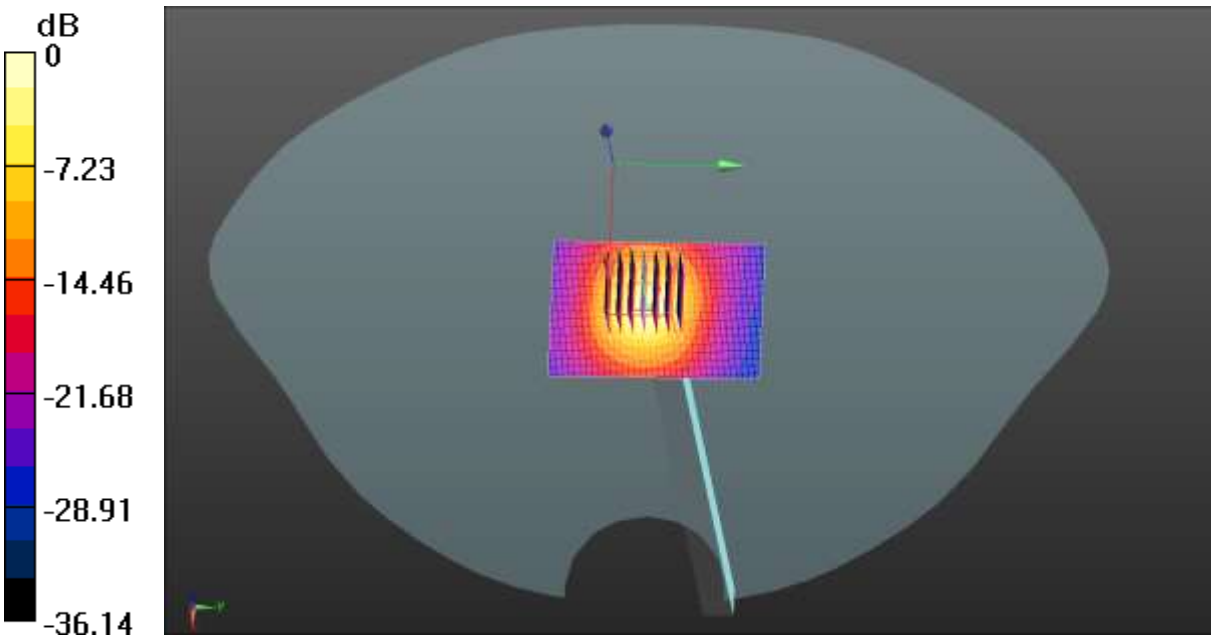
Communication System: UID 0, CW (0); Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 4.848 S/m; ε_r = 34.503; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN7601; ConvF(5.35, 5.35, 5.35) @ 5200 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check at Frequency5200 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 48.53 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 14.9 W/kg
SAR(1 g) = 3.18 W/kg; SAR(10 g) = 0.910 W/kg
Smallest distance from peaks to all points 3 dB below = 5.2 mm
Ratio of SAR at M2 to SAR at M1 = 24.3%
Maximum value of SAR (measured) = 8.0 W/kg

System Performance Check at Frequency5200 MHz Head Tissue/d=10mm, Pin=80 mW, dist=1.4mm (EX-Probe)/Area Scan (51x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.0 W/kg



0 dB = 8.0 W/kg = 9.03 dBW/kg

Test Laboratory: JYTSZ Date: 03.16.2022

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: SN:1182

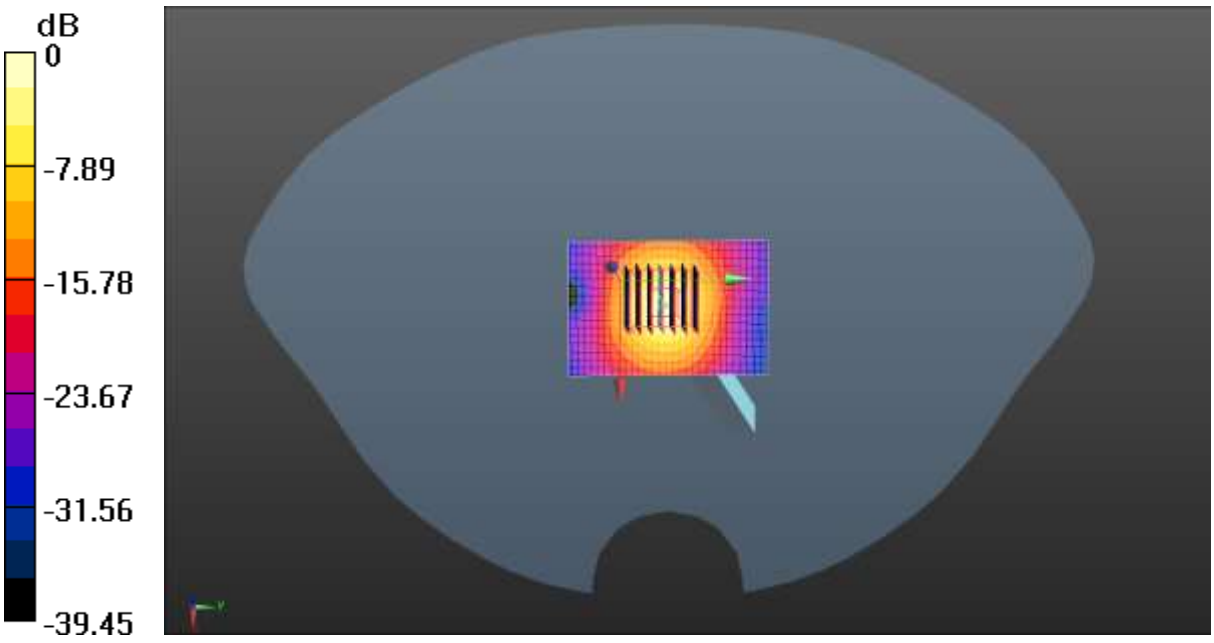
Communication System: UID 0, CW (0); Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.50 S/m; ε_r = 33.79; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN7601; ConvF(5.04, 5.04, 5.04) @ 5800 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check at Frequency5800 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 43.57 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 15.2 W/kg
SAR(1 g) = 3.09 W/kg; SAR(10 g) = 0.895 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 37.9%
Maximum value of SAR (measured) = 8.52 W/kg

System Performance Check at Frequency5800 MHz Head Tissue/d=10mm, Pin=40 mW, dist=1.4mm (EX-Probe)/Area Scan (51x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.86 W/kg



0 dB = 8.86 W/kg = 9.47 dBW/kg

Appendix B: Plots of SAR Test Data

Test Laboratory: JYTSZ Date: 03.03.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.927 S/m; ε_r = 41.395; ρ = 1000 kg/m^3
Phantom section: Right Section

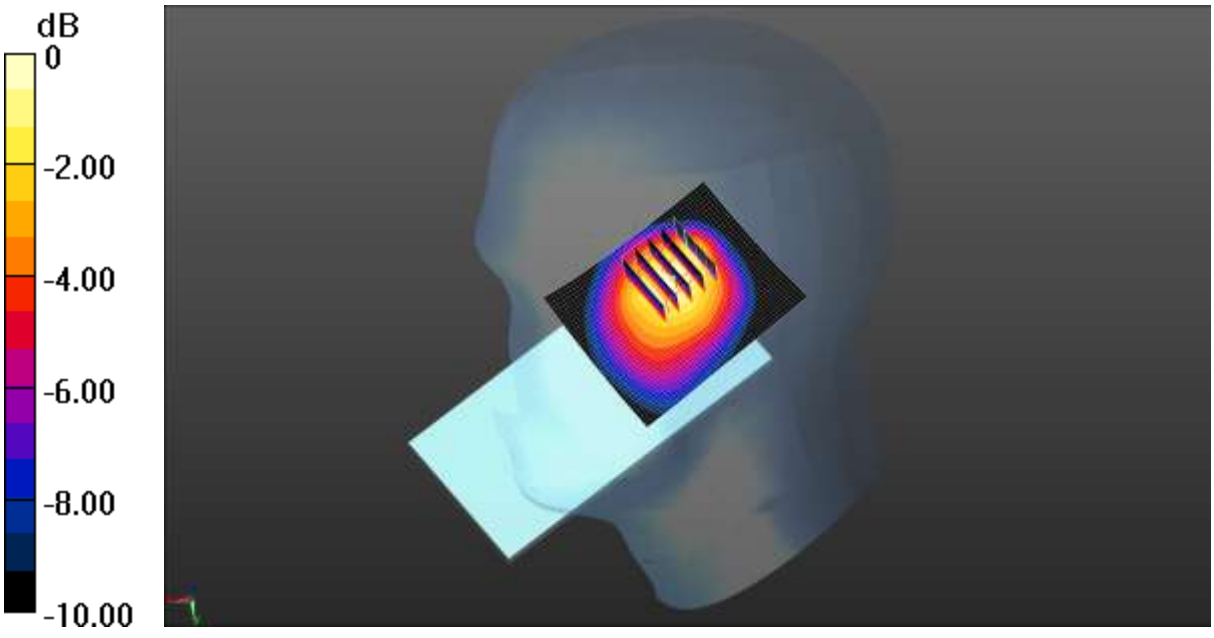
DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(10.2, 10.2, 10.2) @ 836.6 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

GSM 850 Right Cheek/Middle Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.36 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.34 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.671 W/kg
Smallest distance from peaks to all points 3 dB below = 27.5 mm
Ratio of SAR at M2 to SAR at M1 = 37.2%
Maximum value of SAR (measured) = 1.58 W/kg

GSM 850 Right Cheek/Middle Channel/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.59 W/kg



0 dB = 1.59 W/kg = 2.01 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

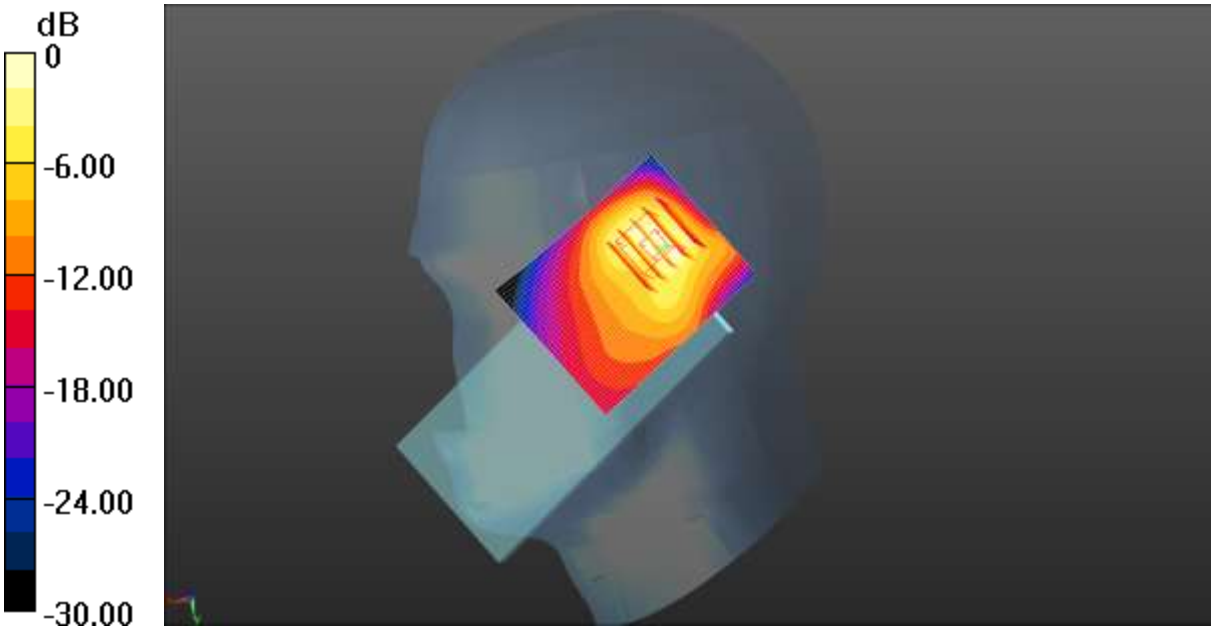
Communication System: UID 0, GSM (0); Frequency: 1850.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1850.2 MHz; σ = 1.376 S/m; ε_r = 39.486; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(8.37, 8.37, 8.37) @ 1850.2 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

GSM 1900 Right Tilted/Low Channel/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.49 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.990 W/kg
SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.217 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 52.8%
Maximum value of SAR (measured) = 0.720 W/kg

GSM 1900 Right Tilted/Low Channel/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.449 W/kg



0 dB = 0.449 W/kg = -3.48 dBW/kg

Test Laboratory: JYTSZ Date: 03.03.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.93 S/m; ε_r = 41.366; ρ = 1000 kg/m^3
Phantom section: Right Section

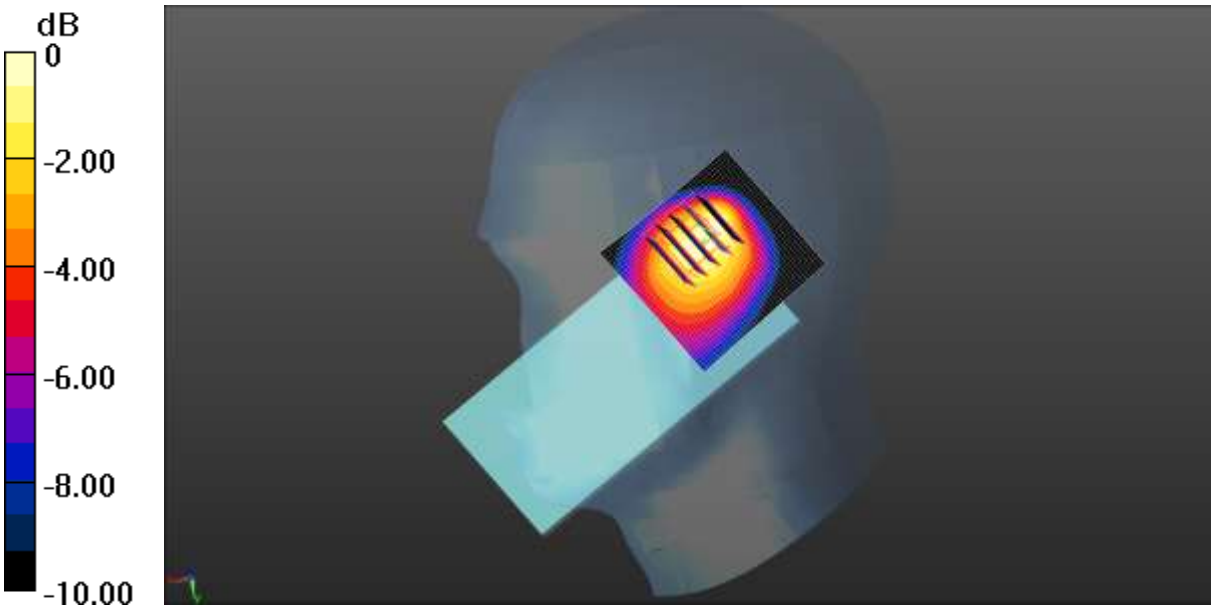
DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(10.2, 10.2, 10.2) @ 846.6 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

WCDMA 850 Right Cheek/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.19 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 0.914 W/kg; SAR(10 g) = 0.572 W/kg
Smallest distance from peaks to all points 3 dB below = 12.5 mm
Ratio of SAR at M2 to SAR at M1 = 54.6%
Maximum value of SAR (measured) = 1.33 W/kg

WCDMA 850 Right Cheek/High Channel/Area Scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

Test Laboratory: JYTSZ Date: 03.05.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.311 S/m; ε_r = 39.667; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

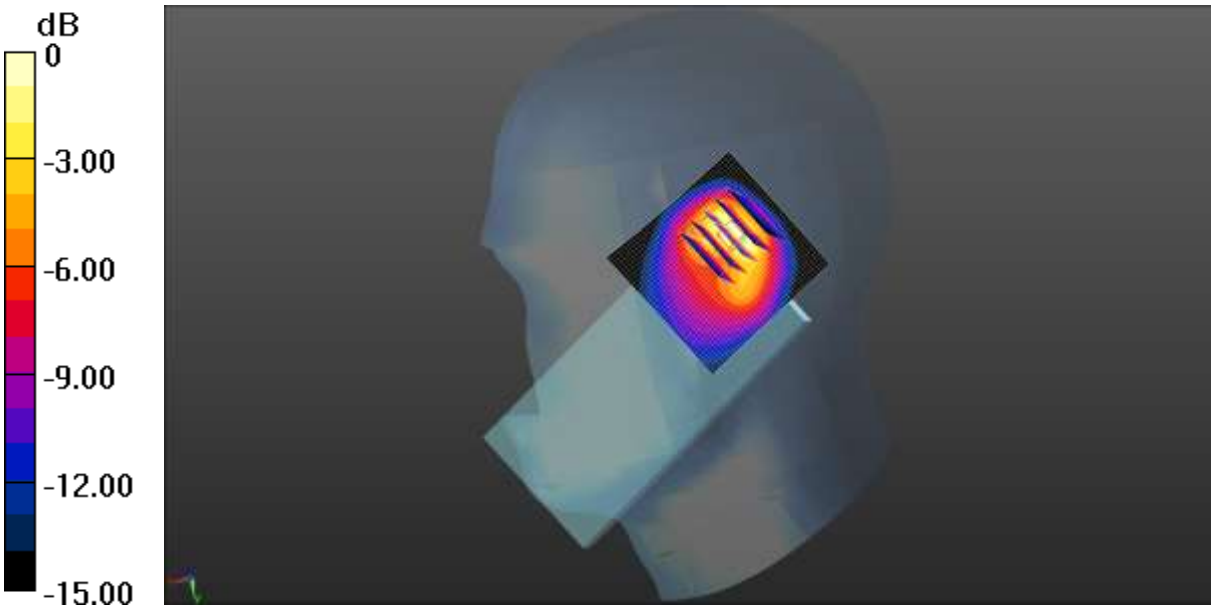
- Probe: EX3DV4 - SN7601; ConvF(8.62, 8.62, 8.62) @ 1752.6 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

WCDMA 1700 Right Tilted/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.88 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 2.20 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.517 W/kg
Smallest distance from peaks to all points 3 dB below = 6.6 mm
Ratio of SAR at M2 to SAR at M1 = 49.2%
Maximum value of SAR (measured) = 1.85 W/kg

WCDMA 1700 Right Tilted/High Channel/Area Scan (41x41x1): Interpolated

grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.30 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.376 S/m; ε_r = 39.486; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

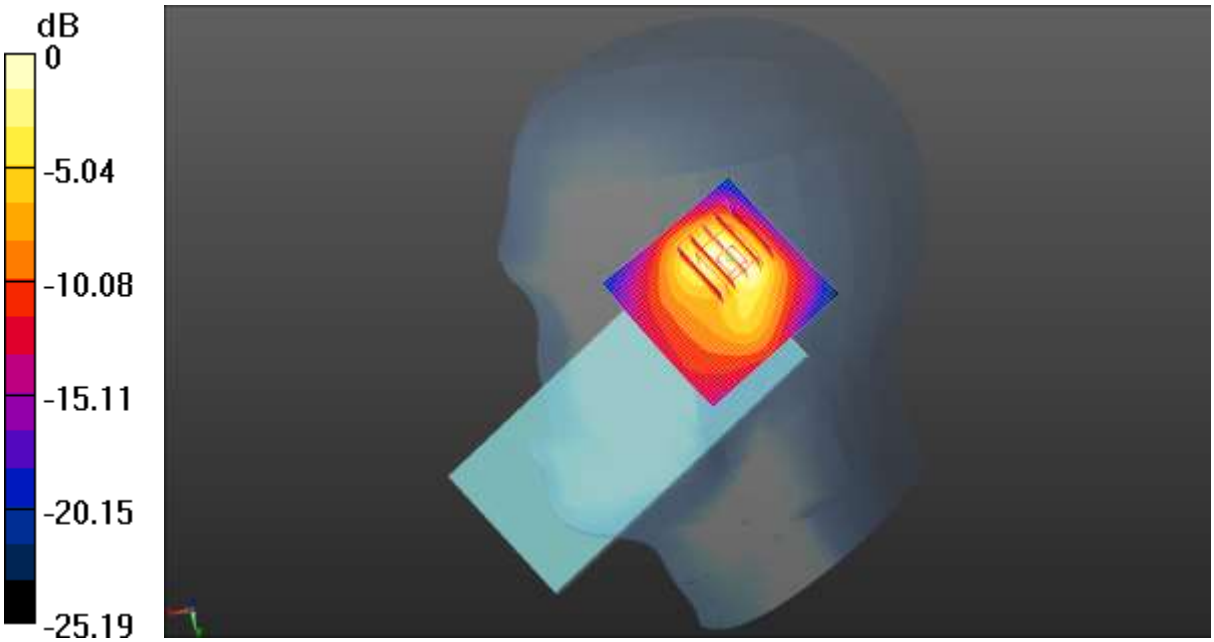
- Probe: EX3DV4 - SN7601; ConvF(8.37, 8.37, 8.37) @ 1907.6 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

WCDMA 1900 Right Tilted/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.71 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.59 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.541 W/kg
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 46.6%
Maximum value of SAR (measured) = 2.16 W/kg

WCDMA 1900 Right Tilted/High Channel/Area Scan (41x41x1): Interpolated

grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.83 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-Fdd(USA) 1RB QPSK (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.387 S/m; ε_r = 39.454; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

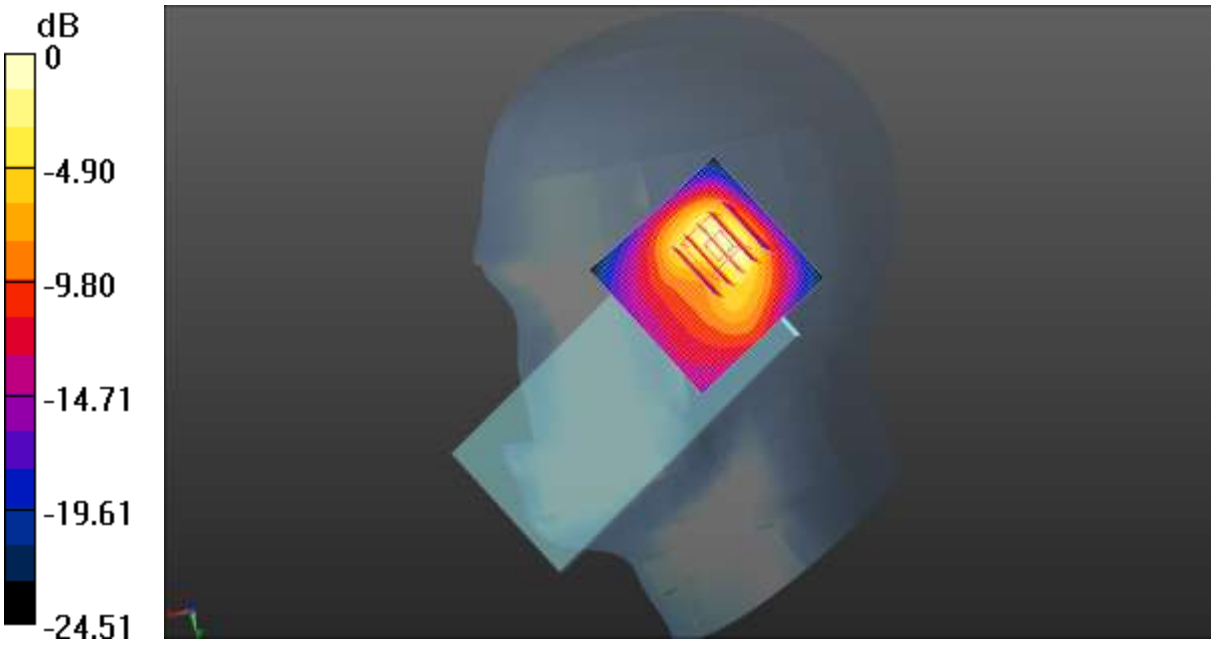
- Probe: EX3DV4 - SN7601; ConvF(8.37, 8.37, 8.37) @ 1900 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 2 1RB(20MHz) Right Tilted/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.72 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 0.877 W/kg; SAR(10 g) = 0.397 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 47.8%
Maximum value of SAR (measured) = 1.46 W/kg

LTE Band 2 1RB(20MHz) Right Tilted/High Channel/Area Scan (41x41x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.949 W/kg



0 dB = 0.949 W/kg = -0.23 dBW/kg

Test Laboratory: JYTSZ Date: 03.03.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-Fdd(USA) 1RB QPSK (0); Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 844 MHz; σ = 0.93 S/m; ε_r = 41.374; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

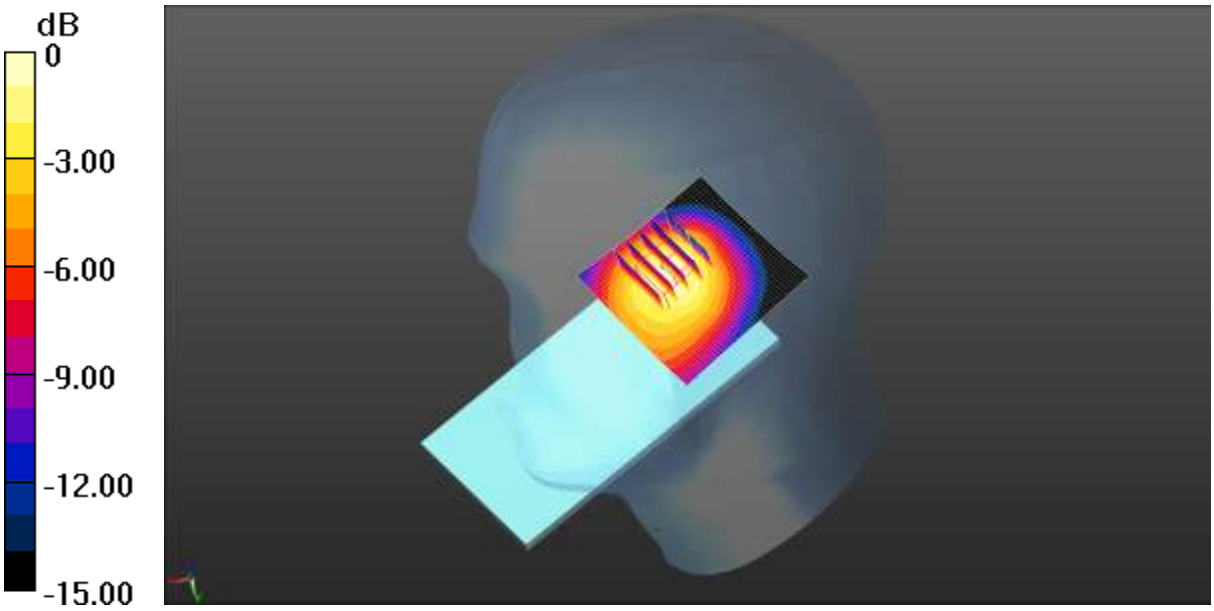
- Probe: EX3DV4 - SN7601; ConvF(10.2, 10.2, 10.2) @ 844 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 5 1RB(10MHz) Right Cheek/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.94 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 2.13 W/kg
SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.671 W/kg
Smallest distance from peaks to all points 3 dB below = 14.5 mm
Ratio of SAR at M2 to SAR at M1 = 42.6%
Maximum value of SAR (measured) = 1.49 W/kg

LTE Band 5 1RB(10MHz) Right Cheek/High Channel/Area Scan (41x41x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.66 W/kg



0 dB = 1.66 W/kg = 2.20 dBW/kg

Test Laboratory: JYTSZ Date: 03.13.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-FDD(EU) (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 1.817 S/m; ε_r = 38.61; ρ = 1000 kg/m^{33}
Phantom section: Right Section

DASY5 Configuration:

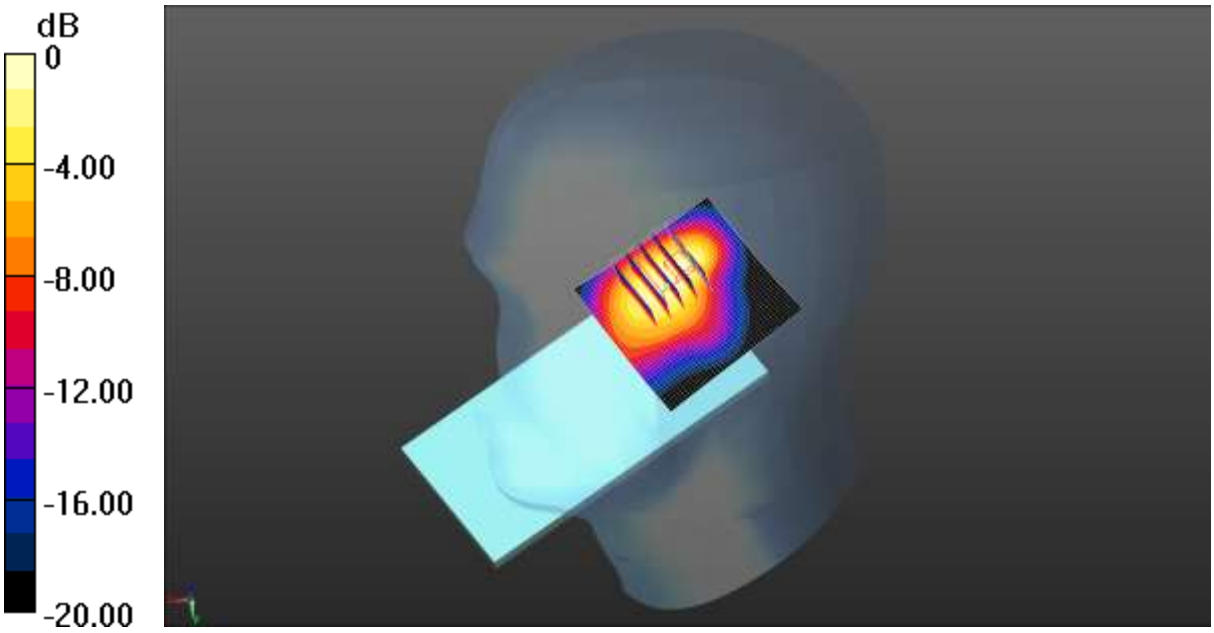
- Probe: EX3DV4 - SN7601; ConvF(7.74, 7.74, 7.74) @ 2510 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 7 1RB(20MHz) Right Cheek/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.747 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.663 W/kg; SAR(10 g) = 0.319 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 39.2%
Maximum value of SAR (measured) = 1.09 W/kg

LTE Band 7 1RB(20MHz) Right Cheek/Low Channel/Area Scan (41x41x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.904 W/kg



0 dB = 0.904 W/kg = -0.44 dBW/kg

Test Laboratory: JYTSZ Date: 03.13.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-TDD(USA) 20MHz 1RB QPSK (0); Frequency: 2645 MHz;Duty Cycle: 1:1.59956
Medium parameters used (interpolated): f = 2645 MHz; σ = 1.991 S/m; ε_r = 38.076; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

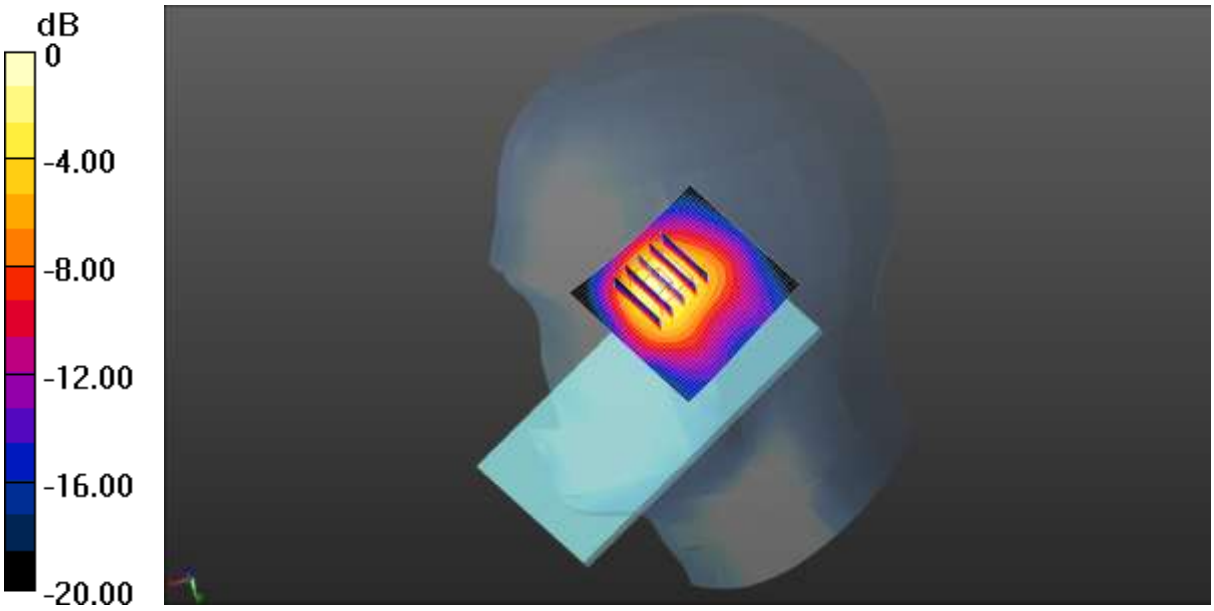
- Probe: EX3DV4 - SN7601; ConvF(7.49, 7.49, 7.49) @ 2645 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 41 1RB(20MHz) Right Cheek/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.152 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.290 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 46.5%
Maximum value of SAR (measured) = 0.958 W/kg

LTE Band 41 1RB(20MHz) Right Cheek/High Channel/Area Scan (41x41x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.926 W/kg



0 dB = 0.926 W/kg = -0.33 dBW/kg

Test Laboratory: JYTSZ Date: 03.05.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-Fdd(USA) 1RB QPSK (0); Frequency: 1770 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.319 S/m; ε_r = 39.646; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

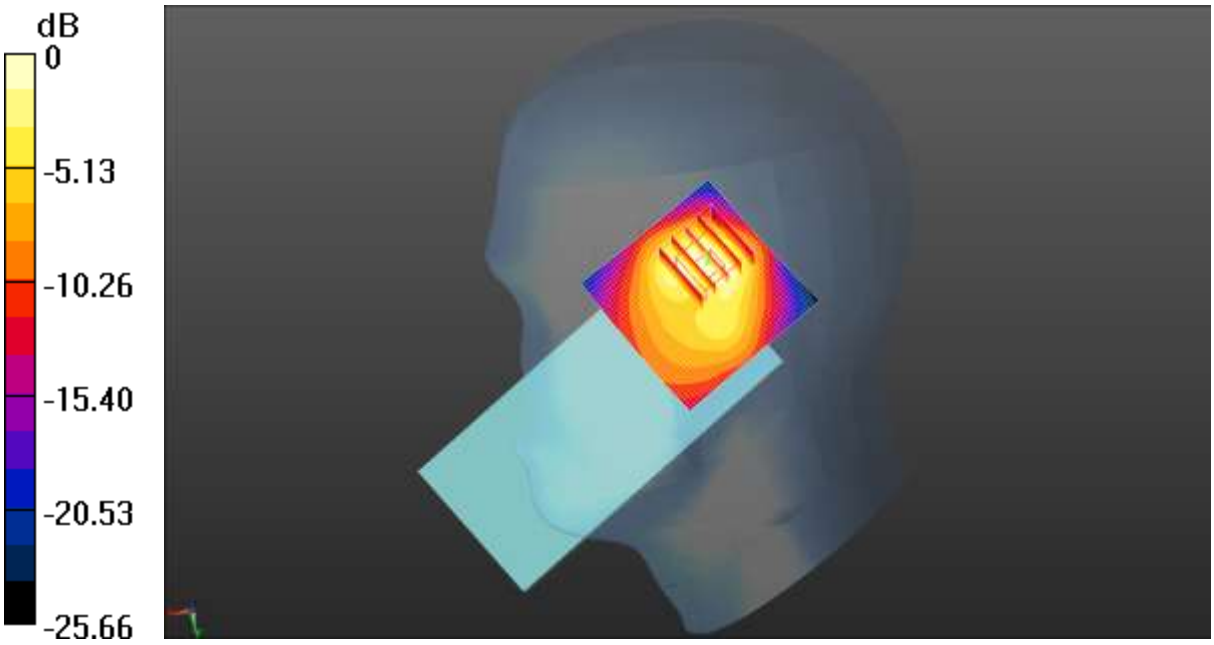
- Probe: EX3DV4 - SN7601; ConvF(8.62, 8.62, 8.62) @ 1770 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 66 1RB(20MHz) Right Tilted/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.07 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.07 W/kg
SAR(1 g) = 0.992 W/kg; SAR(10 g) = 0.465 W/kg
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 49.1%
Maximum value of SAR (measured) = 1.75 W/kg

LTE Band 66 1RB(20MHz) Right Tilted/High Channel/Area Scan (41x41x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.891 W/kg



0 dB = 0.891 W/kg = -0.50 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.371 S/m; ε_r = 39.477; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

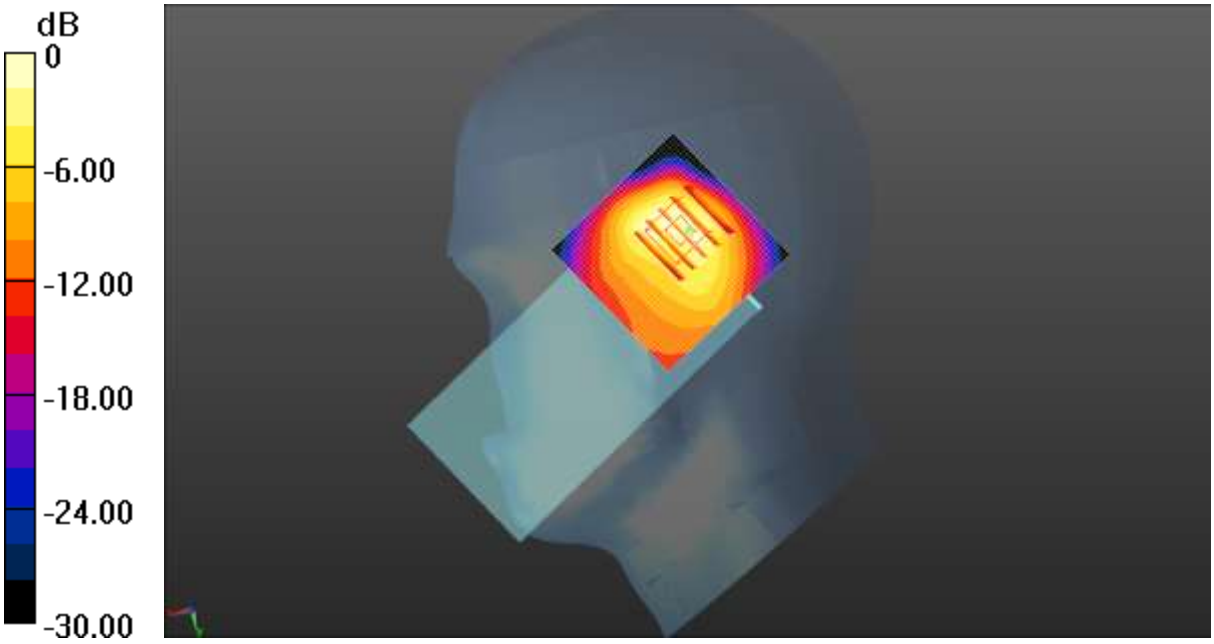
- Probe: EX3DV4 - SN7601; ConvF(8.37, 8.37, 8.37) @ 1860 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n2 1RB(20MHz) Right Tilted/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.02 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.273 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 49.2%
Maximum value of SAR (measured) = 1.02 W/kg

NR n2 1RB(20MHz) Right Tilted/Low Channel/Area Scan (41x41x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.553 W/kg



0 dB = 0.553 W/kg = -2.57 dBW/kg

Test Laboratory: JYTSZ Date: 03.03.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 834 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 834MHz; σ = 0.927 S/m; ε_r = 41.395; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

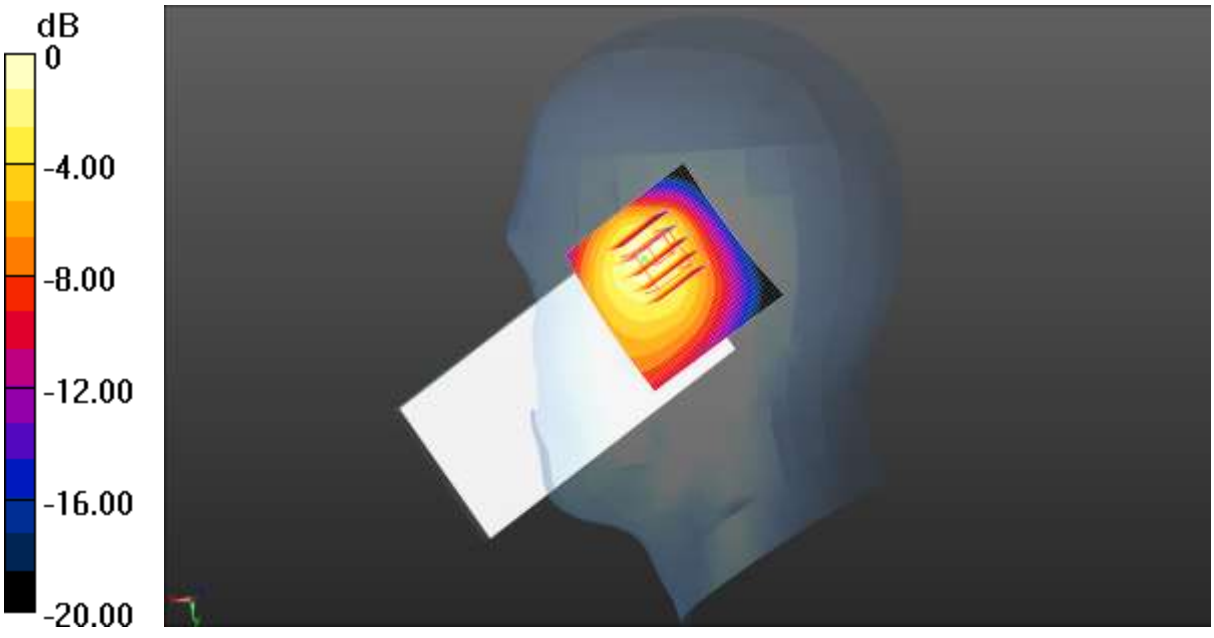
- Probe: EX3DV4 - SN7601; ConvF(10.2, 10.2, 10.2) @ 834 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n5 1RB(10MHz) Right Cheek/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.88 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 0.673 W/kg; SAR(10 g) = 0.422 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 35.7%
Maximum value of SAR (measured) = 1.09 W/kg

NR n5 1RB(10MHz) Right Cheek/ Low Channel /Area Scan (41x41x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

Test Laboratory: JYTSZ Date: 03.13.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 2595 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2595 MHz; σ = 1.883 S/m; ε_r = 38.473; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

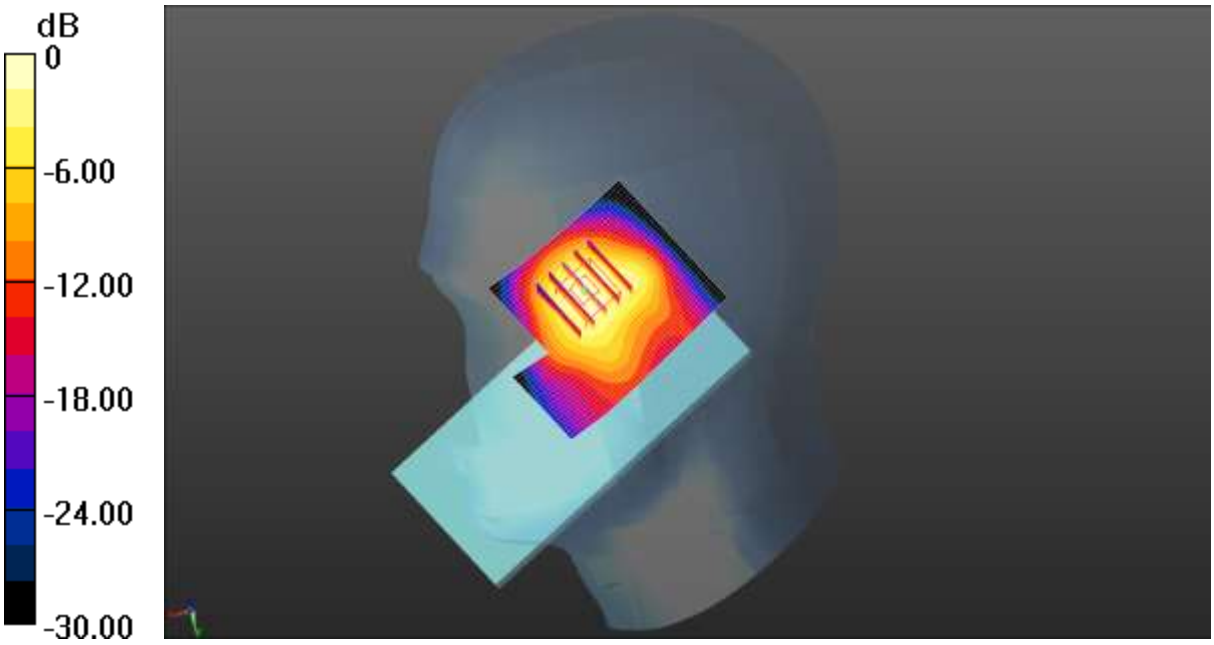
- Probe: EX3DV4 - SN7601; ConvF(7.49, 7.49, 7.49) @ 2595 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n41 50%RB(100MHz) Right Cheek/Middle Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.712 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.867 W/kg
SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.191 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 45.7%
Maximum value of SAR (measured) = 0.670 W/kg

NR n41 50%RB(100MHz) Right Cheek/Middle Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.640 W/kg



0 dB = 0.640 W/kg = -1.94 dBW/kg

Test Laboratory: JYTSZ Date: 03.05.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.307 S/m; ε_r = 39.678; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

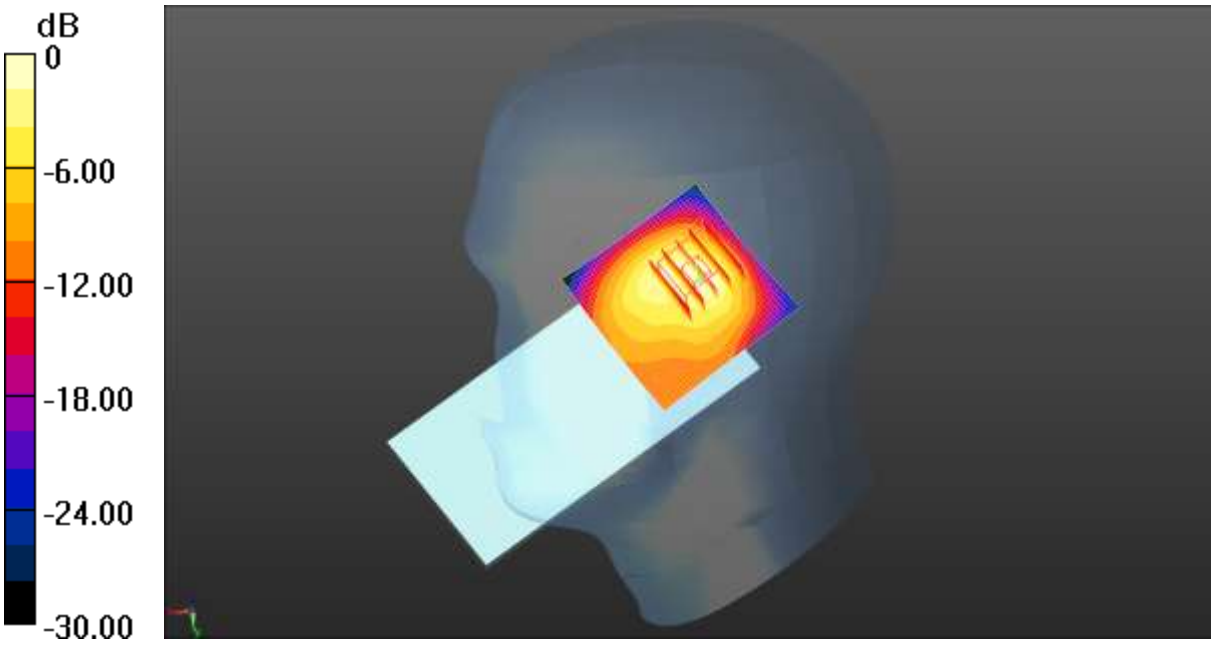
- Probe: EX3DV4 - SN7601; ConvF(8.62, 8.62, 8.62) @ 1745 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n66 1RB(20MHz) Right Cheek/Middle Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.03 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.428 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 48.5%
Maximum value of SAR (measured) = 1.47 W/kg

NR n66 1RB(20MHz) Right Cheek/Middle Channel/Area Scan (41x41x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg

Test Laboratory: JYTSZ Date: 03.02.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 688 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 688 MHz; σ = 0.879 S/m; ε_r = 41.781; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

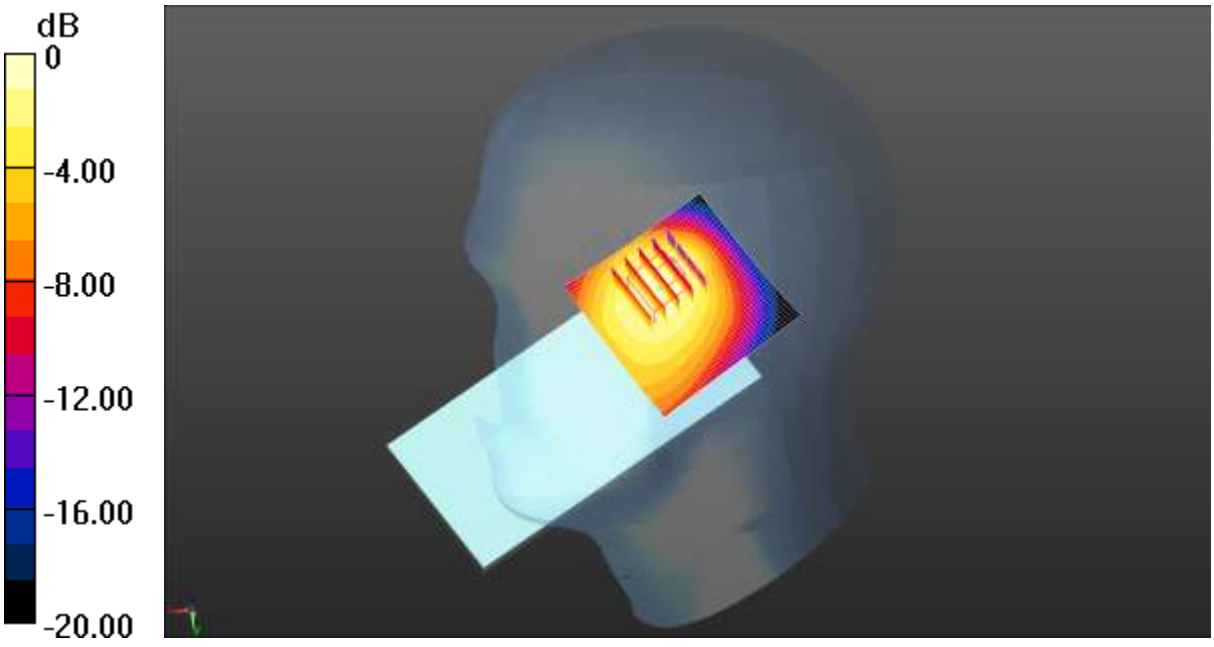
- Probe: EX3DV4 - SN7601; ConvF(10.58, 10.58, 10.58) @ 688 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n71 1RB(20MHz) Right Cheek/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.07 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.580 W/kg
SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.148 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 34.8%
Maximum value of SAR (measured) = 0.383 W/kg

NR n71 1RB(20MHz) Right Cheek/High Channel/Area Scan (41x41x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.337 W/kg



0 dB = 0.337 W/kg = -4.72 dBW/kg

Test Laboratory: JYTSZ Date: 03.14.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

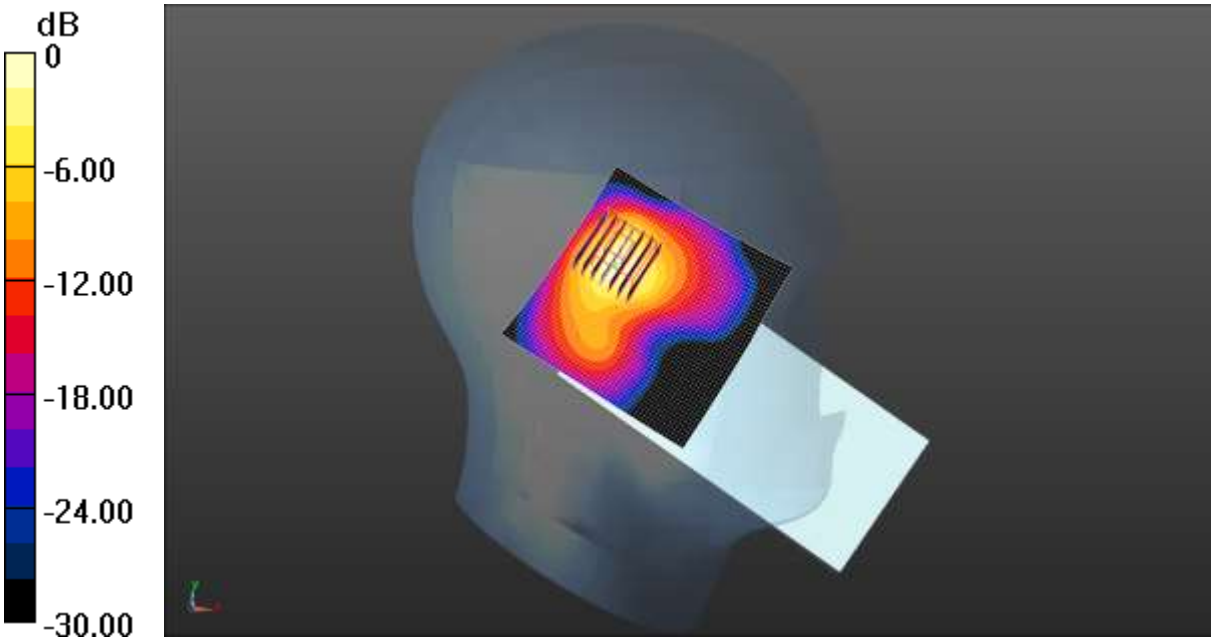
Communication System: UID 0, NR (0); Frequency: 3500.01 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 3500.01 MHz; σ = 2.929 S/m; ε_r = 36.906; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 – SN3826; ConvF(6.61, 6.61, 6.61) @ 3500.01 MHz; Calibrated: 07.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n77 50%RB(100MHz) Left Tilted(3450-3550MHz)/Middle Channel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 9.863 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.20 W/kg
SAR(1 g) = 0.649 W/kg; SAR(10 g) = 0.207 W/kg
Smallest distance from peaks to all points 3 dB below = 5 mm
Ratio of SAR at M2 to SAR at M1 = 29.4%
Maximum value of SAR (measured) = 1.47 W/kg

NR n77 50%RB(100MHz) Left Tilted(3450-3550MHz)/Middle Channel/Area Scan (51x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.986 W/kg



0 dB = 0.986 W/kg = -0.06 dBW/kg

Test Laboratory: JYTSZ Date: 03.14.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

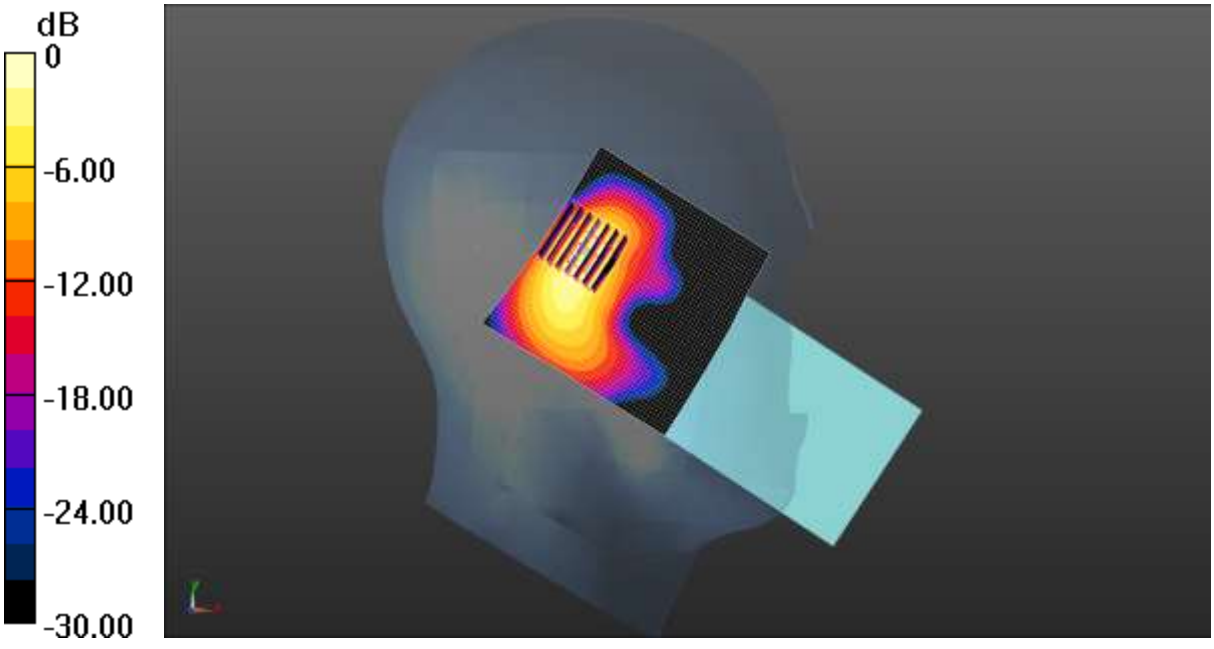
Communication System: UID 0, NR (0); Frequency: 3840 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3840 MHz; σ = 3.251 S/m; ε_r = 36.411; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 – SN3826; ConvF(6.21, 6.21, 6.21) @ 3840 MHz; Calibrated: 07.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n77 50%RB(100MHz) Left Tilted(3700-3980MHz)/Middle Channel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 15.48 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.59 W/kg
SAR(1 g) = 0.772 W/kg; SAR(10 g) = 0.250 W/kg
Smallest distance from peaks to all points 3 dB below = 5 mm
Ratio of SAR at M2 to SAR at M1 = 33.7%
Maximum value of SAR (measured) = 1.62 W/kg

NR n77 50%RB(100MHz) Left Tilted(3700-3980MHz)/Middle Channel/Area Scan (51x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

Test Laboratory: JYTSZ Date: 03.10.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) (0);
Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.722 S/m; ε_r = 38.729; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

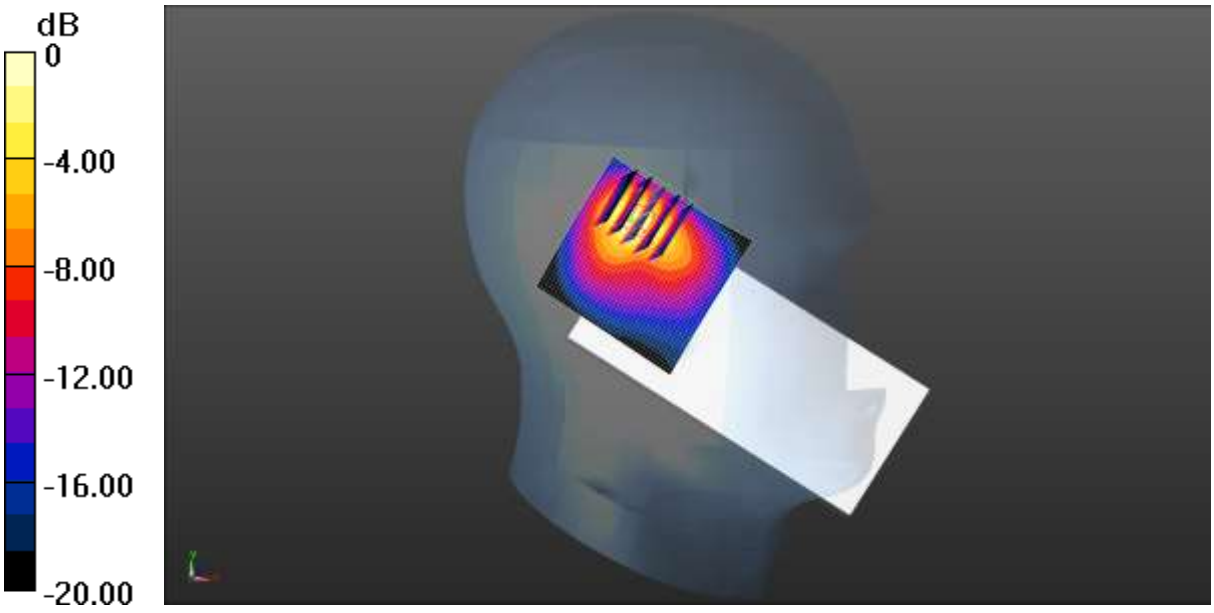
- Probe: EX3DV4 - SN7601; ConvF(7.74, 7.74, 7.74) @ 2437 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

2.4GWIFI Left Cheek Ant6-2 /Middle Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.872 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.665 W/kg
SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.128 W/kg
Smallest distance from peaks to all points 3 dB below = 8.7 mm
Ratio of SAR at M2 to SAR at M1 = 42.8%
Maximum value of SAR (measured) = 0.525 W/kg

2.4GWIFI Left Cheek Ant6-2 /Middle Channel/Area Scan (41x41x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.551 W/kg



0 dB = 0.551 W/kg = -2.59 dBW/kg

Test Laboratory: JYTSZ Date: 03.16.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

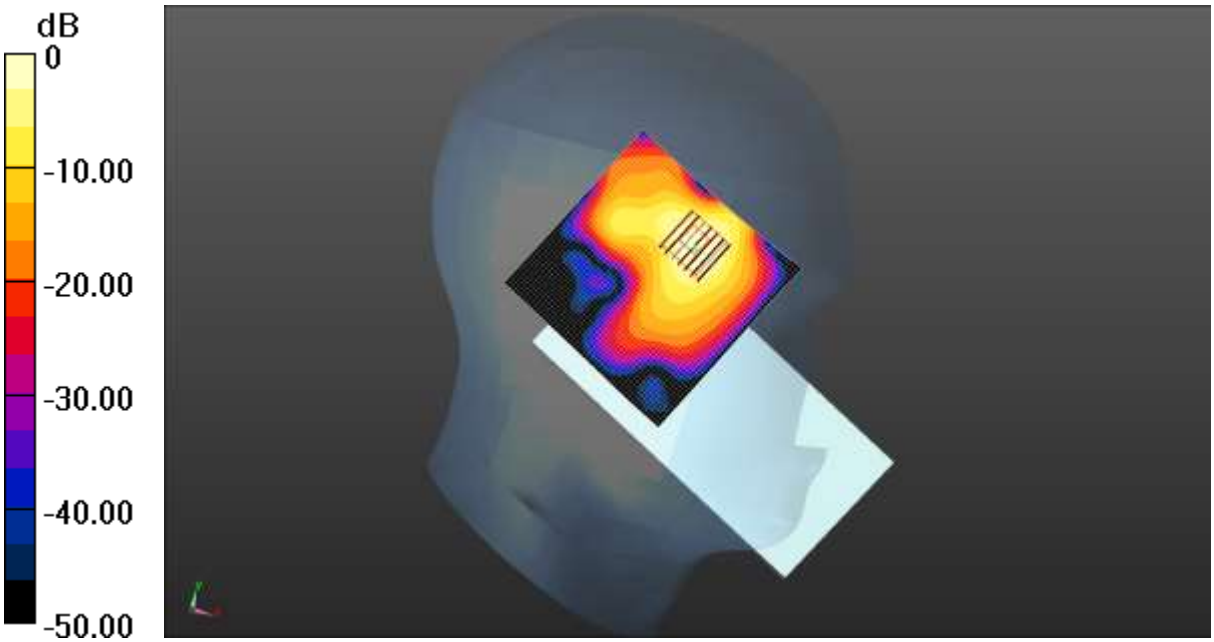
Communication System: UID 0, IEEE 802.11a WiFi 5GHz (0); Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.945 S/m; ε_r = 34.121; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(5.35, 5.35, 5.35) @ 5240 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

5.2GWIFI Left Cheek/High Channel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.8030 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.082 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 21.9%
Maximum value of SAR (measured) = 0.690 W/kg

5.2GWIFI Left Cheek/High Channel/Area Scan (51x51x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.576 W/kg



0 dB = 0.576 W/kg = -2.40 dBW/kg

Test Laboratory: JYTSZ Date: 03.16.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

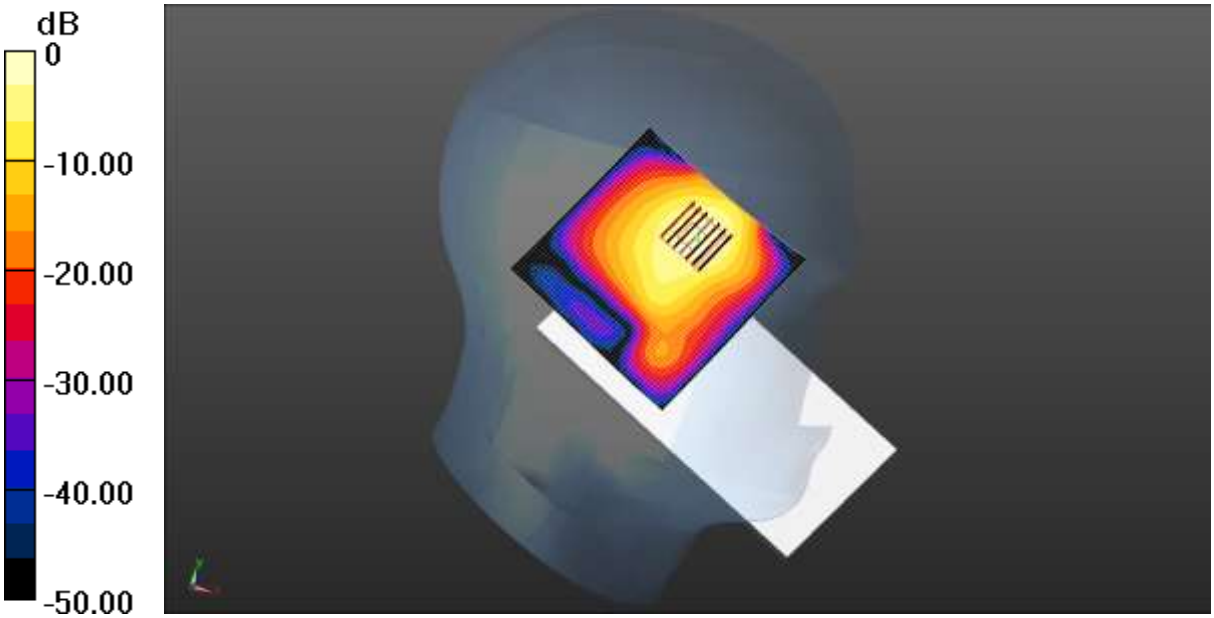
Communication System: UID 0, IEEE 802.11a WiFi 5GHz (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.466 S/m; ε_r = 33.81; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(5.04, 5.04, 5.04) @ 5825 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

5.8GWIFI Left Cheek/High Channel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.1910 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.180 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 16.3%
Maximum value of SAR (measured) = 0.66 W/kg

5.8GWIFI Left Cheek/High Channel/Area Scan (51x51x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.588 W/kg



0 dB = 0.588 W/kg = -2.30 dBW/kg

Test Laboratory: JYTSZ Date: 03.03.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, GPRS(2 Slots) (0); Frequency: 836.6 MHz;Duty Cycle: 1:4.10015
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.927 S/m; ε_r = 41.395; ρ = 1000 kg/m^3
Phantom section: Flat Section

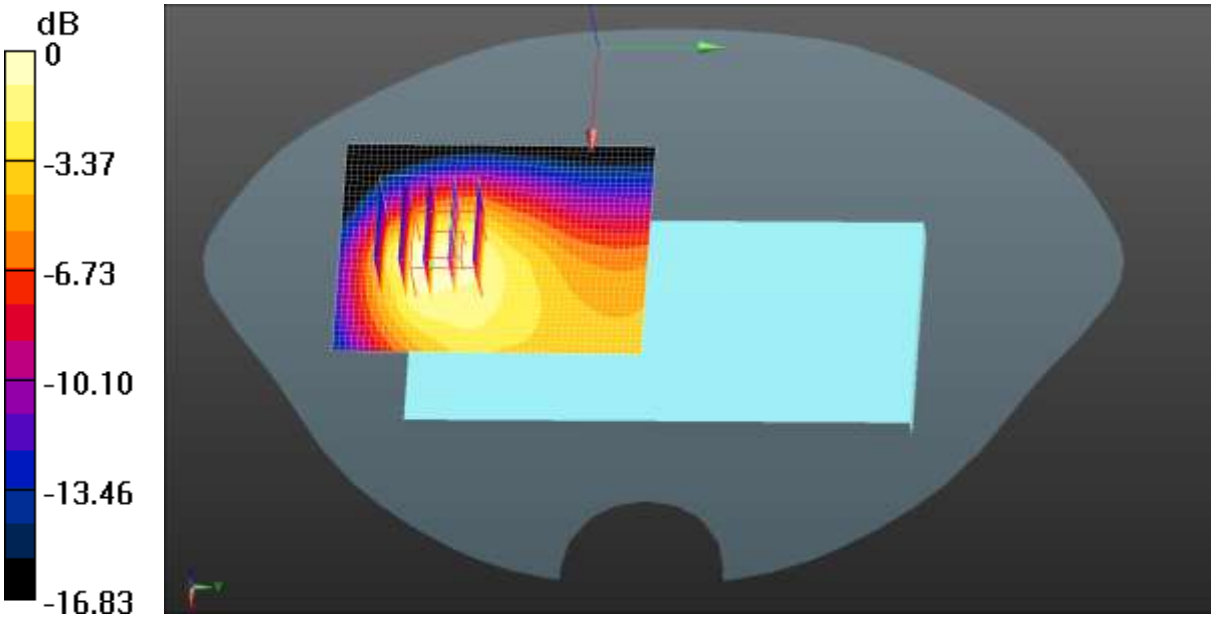
DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(10.2, 10.2, 10.2) @ 836.6 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

GPRS 850 2Slots Body Back/Middle Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.04 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.946 W/kg
SAR(1 g) = 0.511 W/kg; SAR(10 g) = 0.317 W/kg
Smallest distance from peaks to all points 3 dB below = 13.8 mm
Ratio of SAR at M2 to SAR at M1 = 55.3%
Maximum value of SAR (measured) = 0.744 W/kg

GPRS 850 2Slots Body Back/Middle Channel/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.925 W/kg



0 dB = 0.925 W/kg = -0.34 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, GPRS(2 Slots) (0); Frequency: 1850.2 MHz;Duty Cycle: 1:4.10015
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.36 S/m; ε_r = 39.513; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

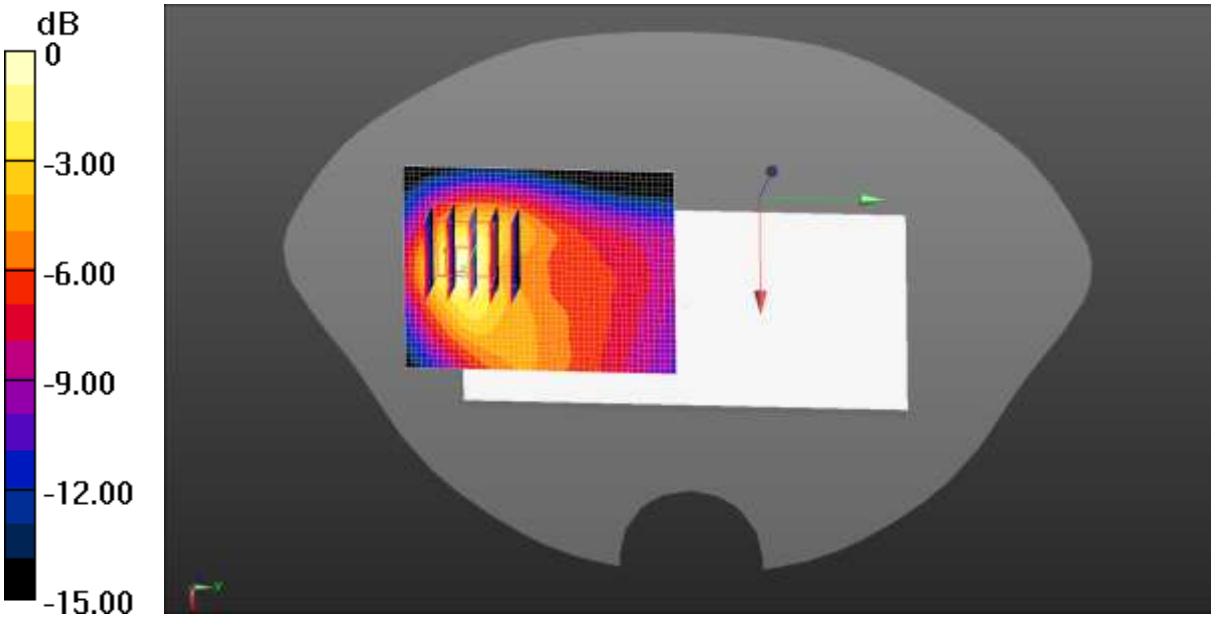
- Probe: EX3DV4 - SN7601; ConvF(8.37, 8.37, 8.37) @ 1850.2 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

GPRS 1900 2Slots Body Back/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.671 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.460 W/kg
SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.130 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 53.5%
Maximum value of SAR (measured) = 0.359 W/kg

GPRS 1900 2Slots Body Back/Low Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.400 W/kg



0 dB = 0.400 W/kg = -3.98 dBW/kg

Test Laboratory: JYTSZ Date: 03.14.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.927 S/m; ε_r = 41.395; ρ = 1000 kg/m^3
Phantom section: Flat Section

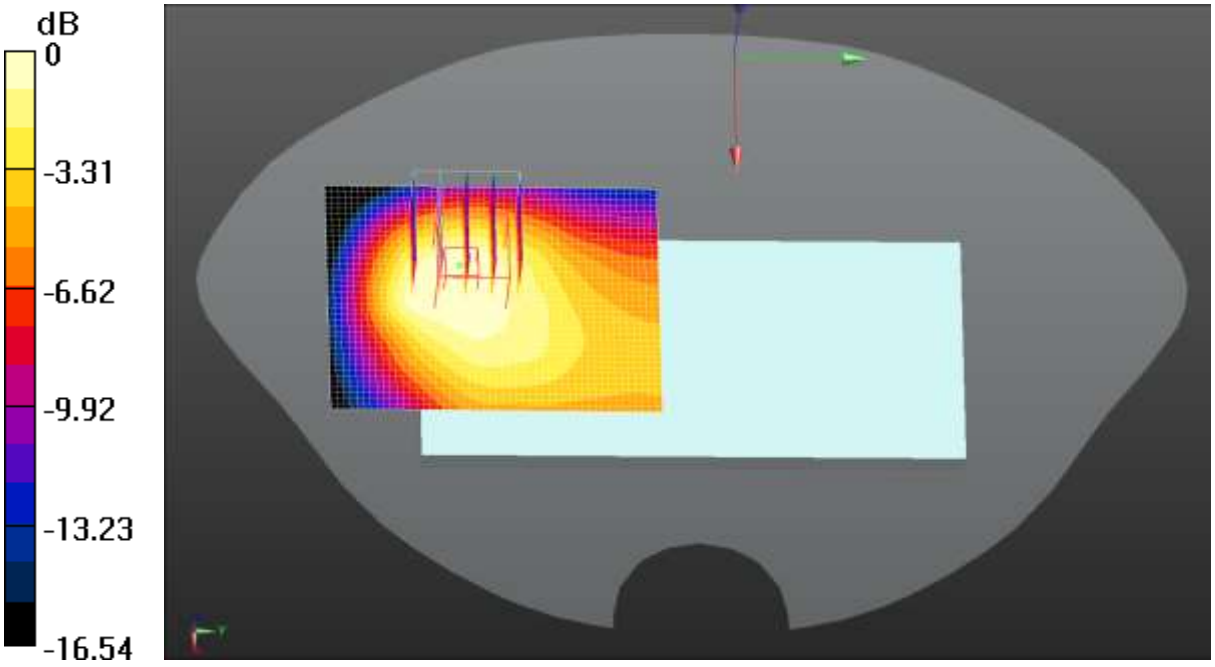
DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(10.2, 10.2, 10.2) @ 836.6 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

WCDMA 850 Body Back/Middle Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.18 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.548 W/kg
SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.179 W/kg
Smallest distance from peaks to all points 3 dB below = 11.5 mm
Ratio of SAR at M2 to SAR at M1 = 51%
Maximum value of SAR (measured) = 0.422 W/kg

WCDMA 850 Body Back/Middle Channel/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.439 W/kg



0 dB = 0.439 W/kg = -3.58 dBW/kg

Test Laboratory: JYTSZ Date: 03.05.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.289 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Flat Section

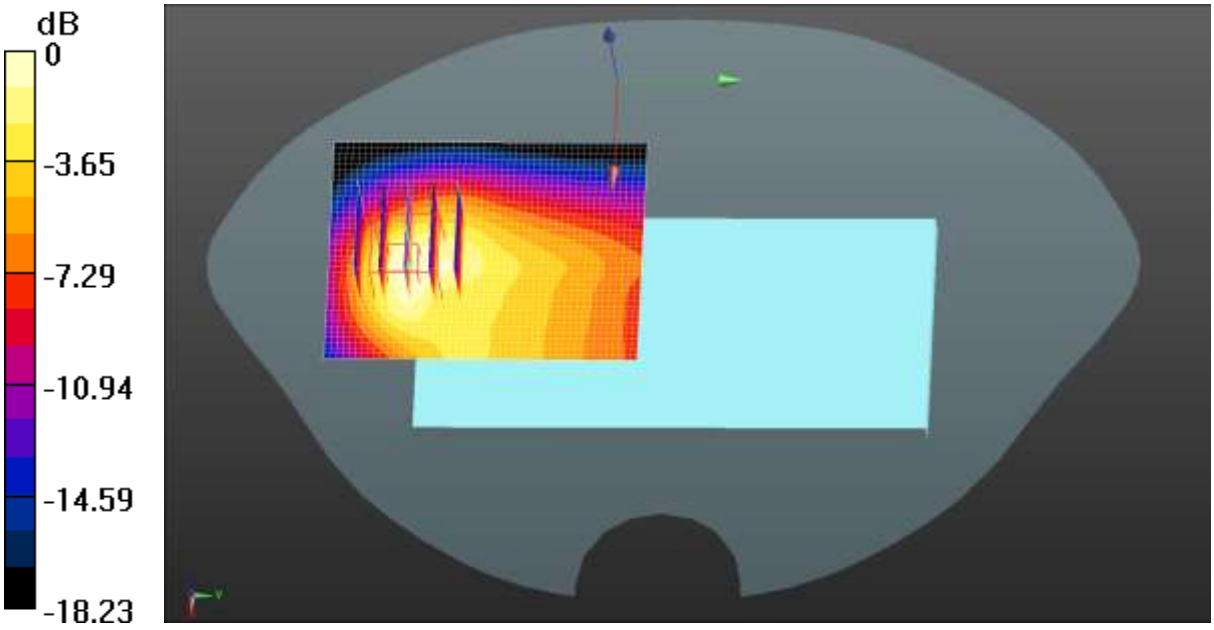
DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(8.62, 8.62, 8.62) @ 1712.4 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

WCDMA 1700 Body Back/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.050 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.554 W/kg
SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.169 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 54.3%
Maximum value of SAR (measured) = 0.453 W/kg

WCDMA 1700 Body Back/Low Channel/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.514 W/kg



0 dB = 0.514 W/kg = -2.89 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.392 S/m; ε_r = 39.442; ρ = 1000 kg/m^3
Phantom section: Flat Section

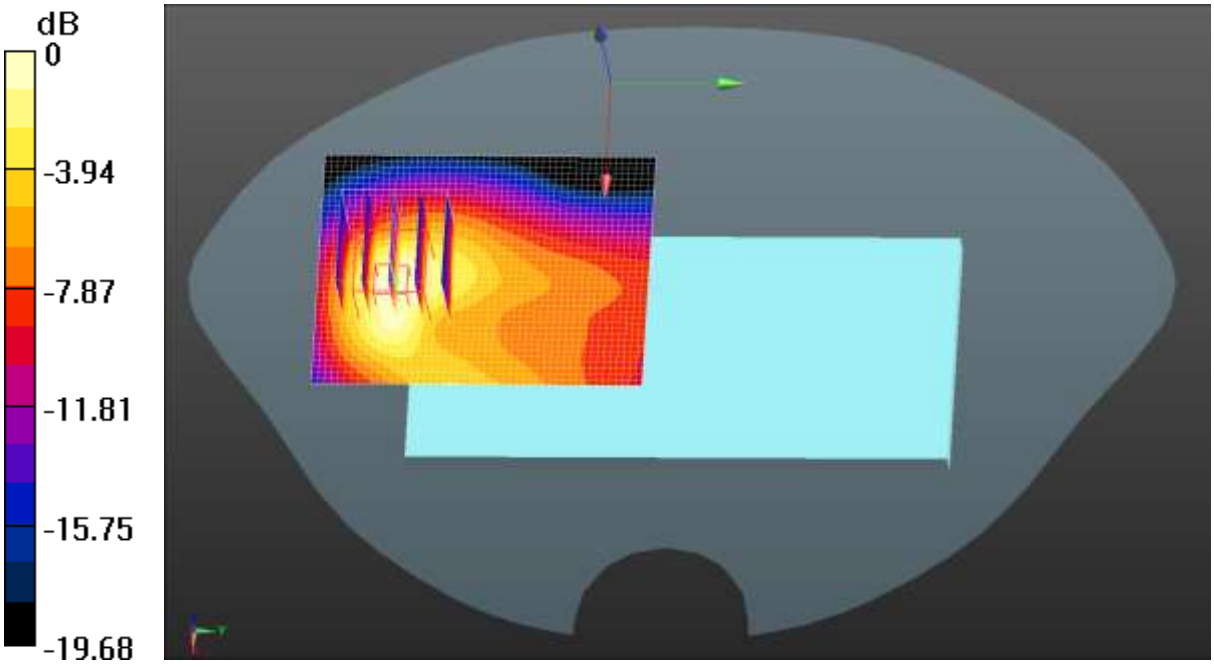
DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(8.37, 8.37, 8.37) @ 1907.6 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

WCDMA 1900 Body Back/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.560 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.612 W/kg
SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.164 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 52.8%
Maximum value of SAR (measured) = 0.485 W/kg

WCDMA 1900 Body Back/High Channel/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.475 W/kg



0 dB = 0.475 W/kg = -3.23 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-Fdd(USA) 1RB QPSK (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.371 S/m; ε_r = 39.477; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

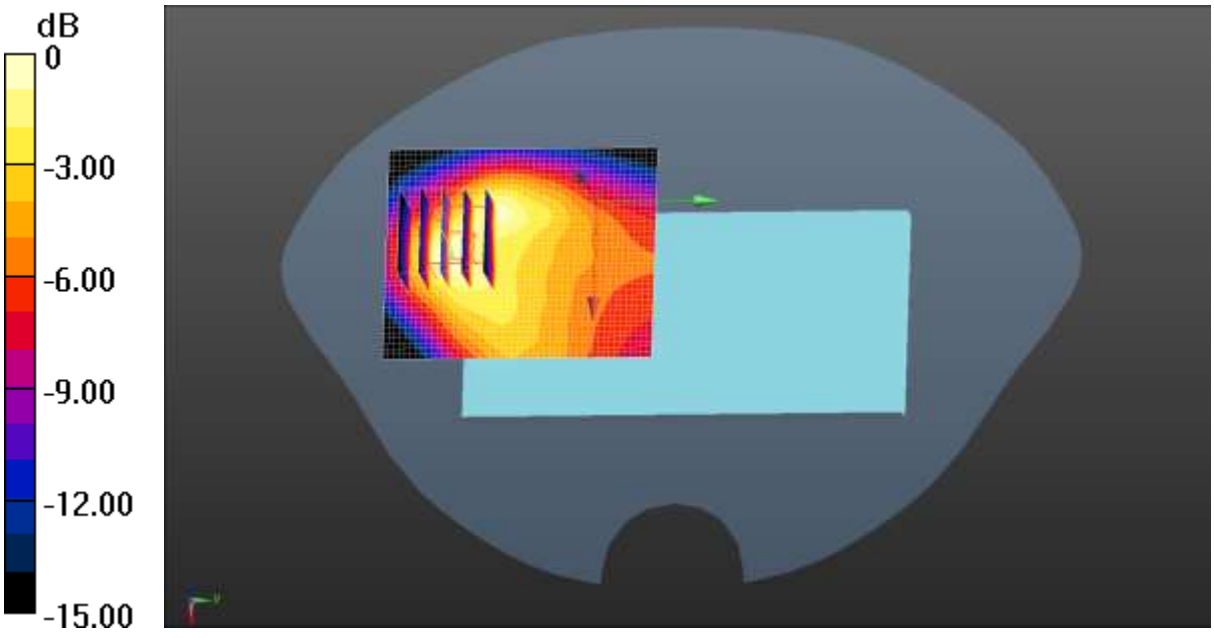
- Probe: EX3DV4 - SN7601; ConvF(8.37, 8.37, 8.37) @ 1880 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 2 1RB(20MHz) Body Back/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.116 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.334 W/kg
SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.092 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 56.3%
Maximum value of SAR (measured) = 0.251 W/kg

LTE Band 2 1RB(20MHz) Body Back/Low Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.200 W/kg



0 dB = 0.200 W/kg = -6.99 dBW/kg

Test Laboratory: JYTSZ Date: 03.03.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-Fdd(USA) 1RB QPSK (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.927 S/m; ε_r = 41.395; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

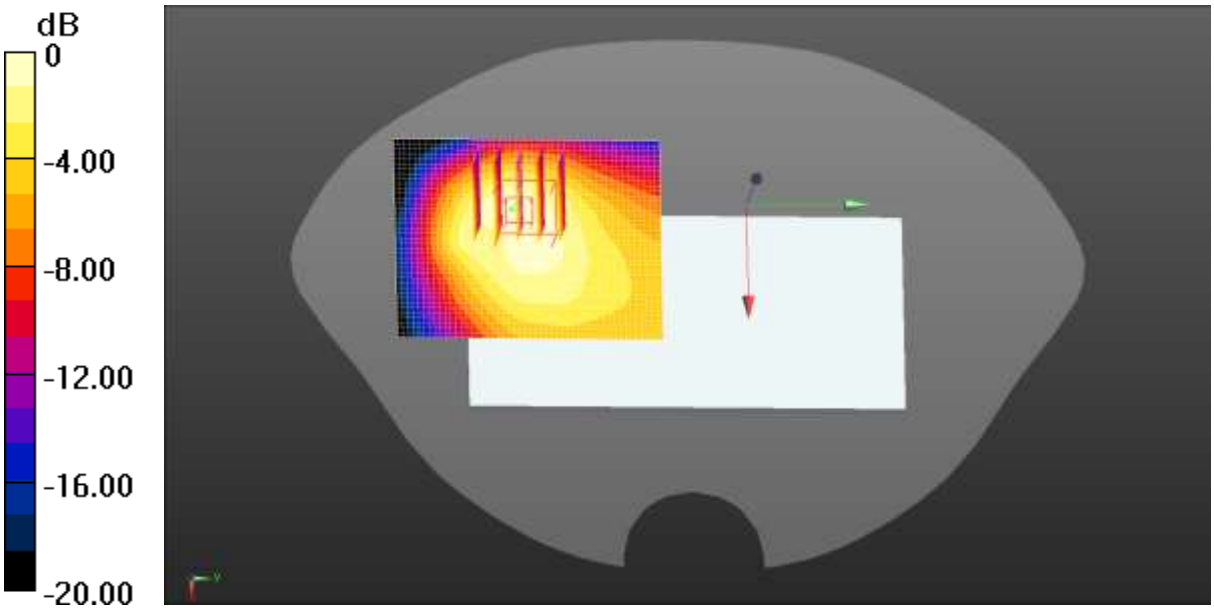
- Probe: EX3DV4 - SN7601; ConvF(10.2, 10.2, 10.2) @ 836.5 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 5 1RB(10MHz) Body Back/Middle Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.14 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.587 W/kg
SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.190 W/kg
Smallest distance from peaks to all points 3 dB below = 14.4 mm
Ratio of SAR at M2 to SAR at M1 = 52.8%
Maximum value of SAR (measured) = 0.458 W/kg

LTE Band 5 1RB(10MHz) Body Back/Middle Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.485 W/kg



0 dB = 0.485 W/kg = -3.14 dBW/kg

Test Laboratory: JYTSZ Date: 03.13.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-Fdd(USA) 1RB QPSK (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 1.817 S/m; ε_r = 38.61; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

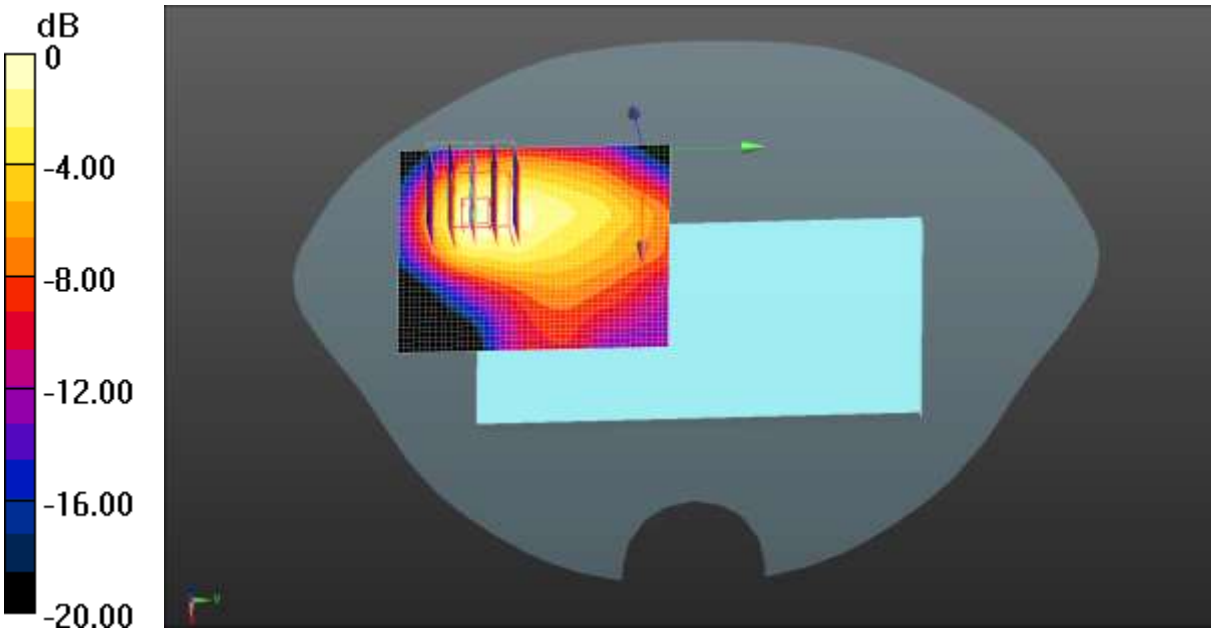
- Probe: EX3DV4 - SN7601; ConvF(7.74, 7.74, 7.74) @ 2510 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 7 1RB(20MHz) Body Back/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.041 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.497 W/kg
SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.111 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 45.4%
Maximum value of SAR (measured) = 0.387 W/kg

LTE Band 7 1RB(20MHz) Body Back/Low Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.338 W/kg



0 dB = 0.338 W/kg = -4.71 dBW/kg

Test Laboratory: JYTSZ Date: 03.13.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-TDD(USA) 20MHz 1RB QPSK (0); Frequency: 2645 MHz;Duty Cycle: 1:1.59956
Medium parameters used (interpolated): f = 2645 MHz; σ = 1.991 S/m; ε_r = 38.076; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

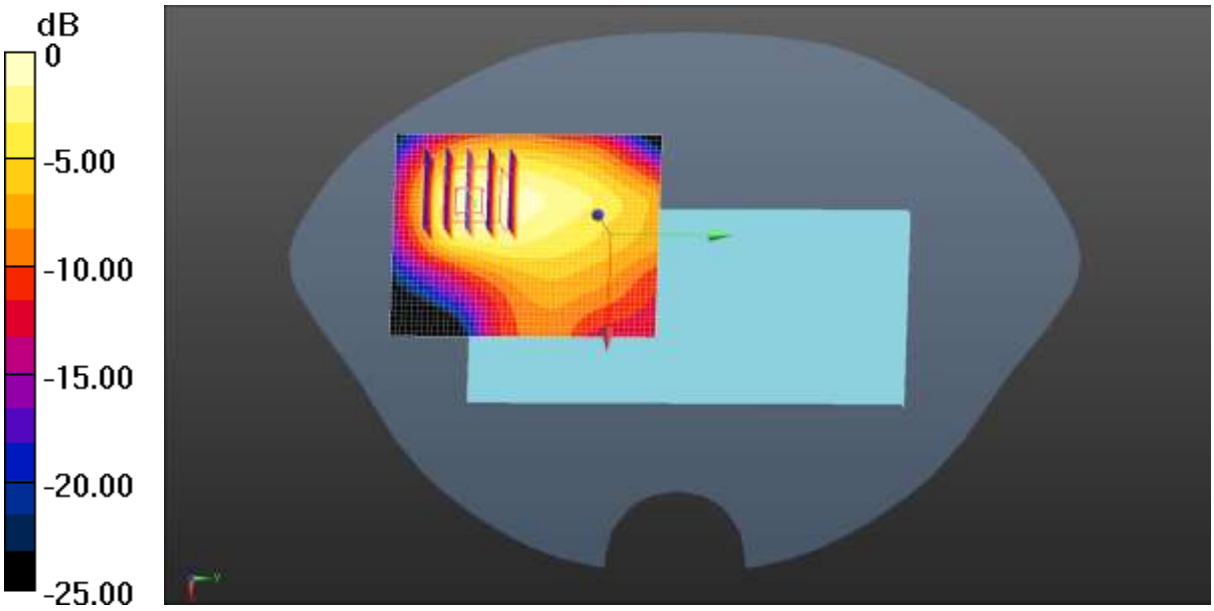
- Probe: EX3DV4 - SN7601; ConvF(7.74, 7.74, 7.74) @ 2645 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 41 1RB(20MHz) Body Back/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.163 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.498 W/kg
SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.114 W/kg
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 45.7%
Maximum value of SAR (measured) = 0.394 W/kg

LTE Band 41 1RB(20MHz) Body Back/High Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.333 W/kg



0 dB = 0.333 W/kg = -4.78 dBW/kg

Test Laboratory: JYTSZ Date: 03.05.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-Fdd(USA) 1RB QPSK (0); Frequency: 1770 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.319 S/m; ε_r = 39.646; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

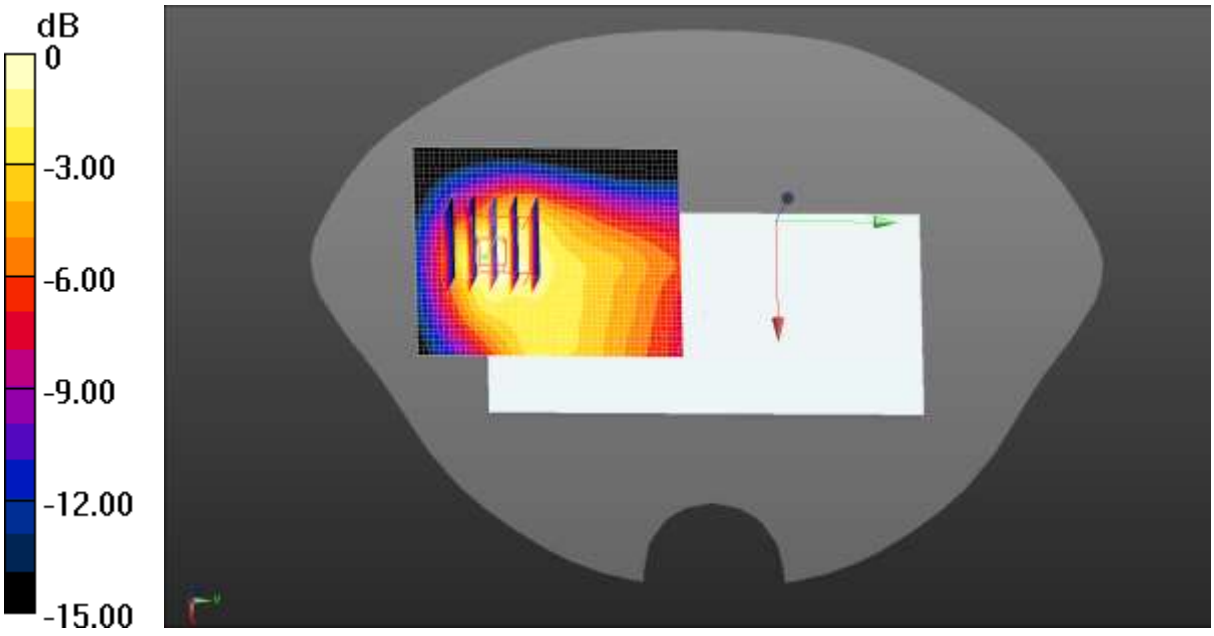
- Probe: EX3DV4 - SN7601; ConvF(8.62, 8.62, 8.62) @ 1770 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 66 1RB(20MHz) Body Back/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.455 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.522 W/kg
SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.154 W/kg
Smallest distance from peaks to all points 3 dB below = 11.5 mm
Ratio of SAR at M2 to SAR at M1 = 54%
Maximum value of SAR (measured) = 0.425 W/kg

LTE Band 66 1RB(20MHz) Body Back/High Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.424 W/kg



0 dB = 0.424 W/kg = -3.73 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.371 S/m; ε_r = 39.477; ρ = 1000 kg/m^3
Phantom section: Flat Section

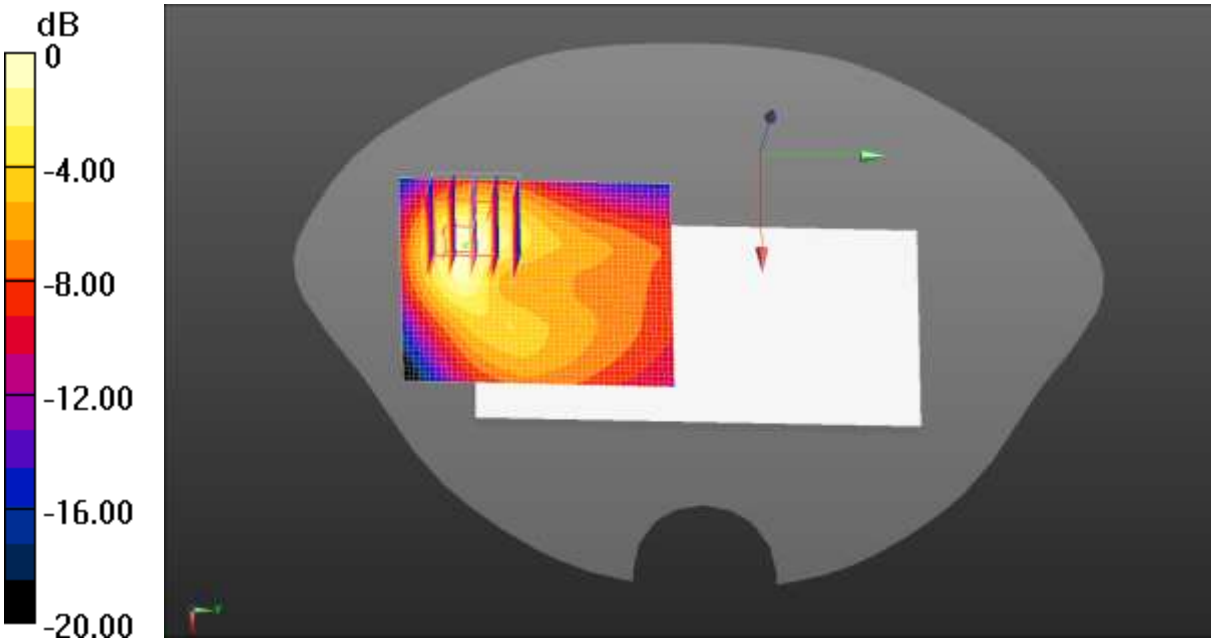
DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(8.37, 8.37, 8.37) @ 1860 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n2 1RB(20MHz) Body Back/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.324 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.290 W/kg
SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.082 W/kg
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 53.7%
Maximum value of SAR (measured) = 0.220 W/kg

NR n2 1RB(20MHz) Body Back/Low Channel/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.263 W/kg



0 dB = 0.263 W/kg = -5.80 dBW/kg

Test Laboratory: JYTSZ Date: 03.03.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 834 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 834 MHz; σ = 0.927 S/m; ε_r = 41.395; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

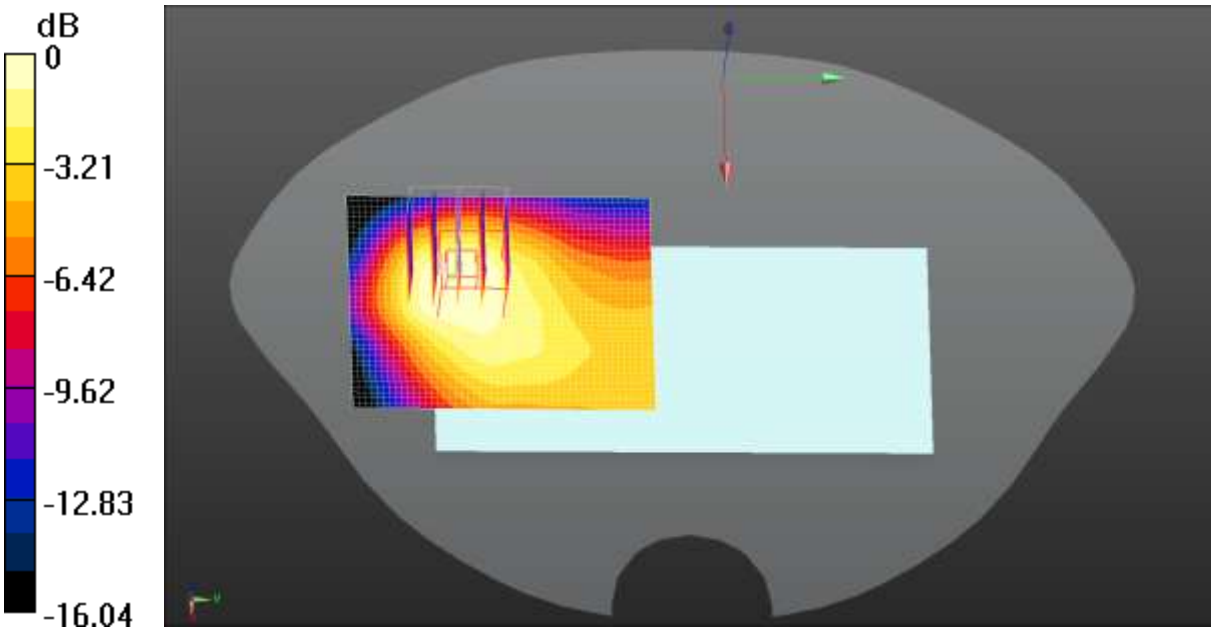
- Probe: EX3DV4 - SN7601; ConvF(10.2, 10.2, 10.2) @ 834 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n5 1RB(20MHz) Body Back/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.90 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.345 W/kg
SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.114 W/kg
Smallest distance from peaks to all points 3 dB below = 15.8 mm
Ratio of SAR at M2 to SAR at M1 = 53.4%
Maximum value of SAR (measured) = 0.278 W/kg

NR n5 1RB(20MHz) Body Back/ Low Channel Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.288 W/kg



0 dB = 0.288 W/kg = -5.41 dBW/kg

Test Laboratory: JYTSZ Date: 03.13.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 2595 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2595 MHz; σ = 1.883 S/m; ε_r = 38.473; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

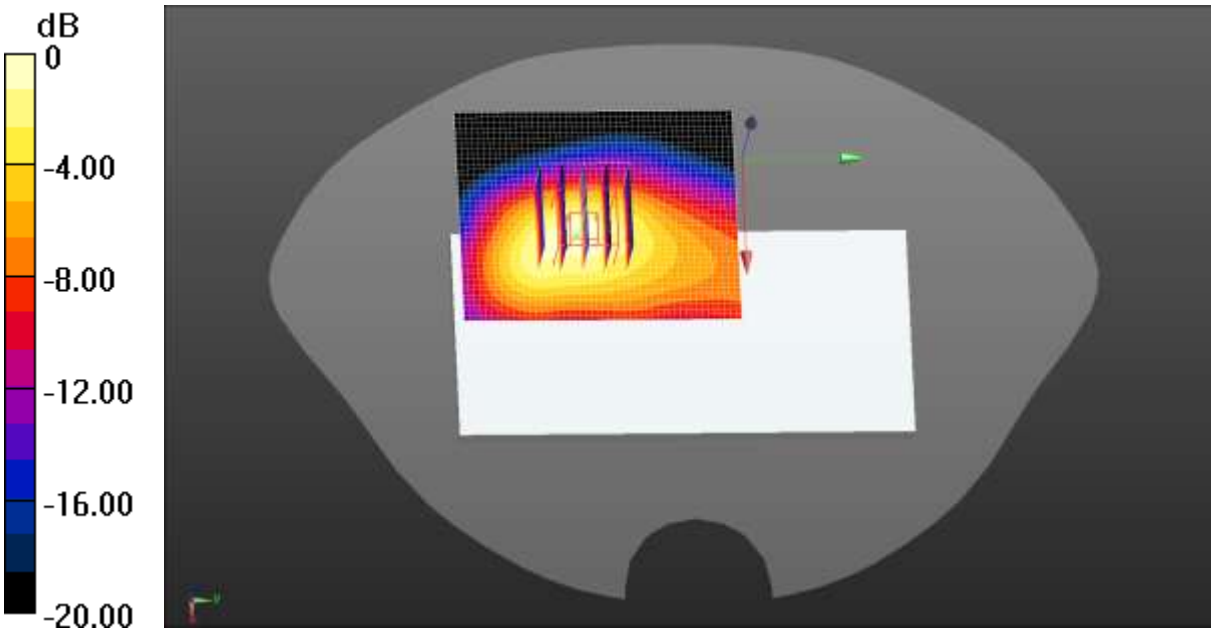
- Probe: EX3DV4 - SN7601; ConvF(7.49, 7.49, 7.49) @ 2595 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n41 50%RB(100MHz) Body Back/Middle Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.806 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.192 W/kg
SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.052 W/kg
Smallest distance from peaks to all points 3 dB below = 10.2 mm
Ratio of SAR at M2 to SAR at M1 = 44.1%
Maximum value of SAR (measured) = 0.174 W/kg

NR n41 50%RB(100MHz) Body Back/Middle Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.124 W/kg



0 dB = 0.124 W/kg = -9.06 dBW/kg

Test Laboratory: JYTSZ Date: 03.05.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 1730 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1730 MHz; σ = 1.300 S/m; ε_r = 39.668; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

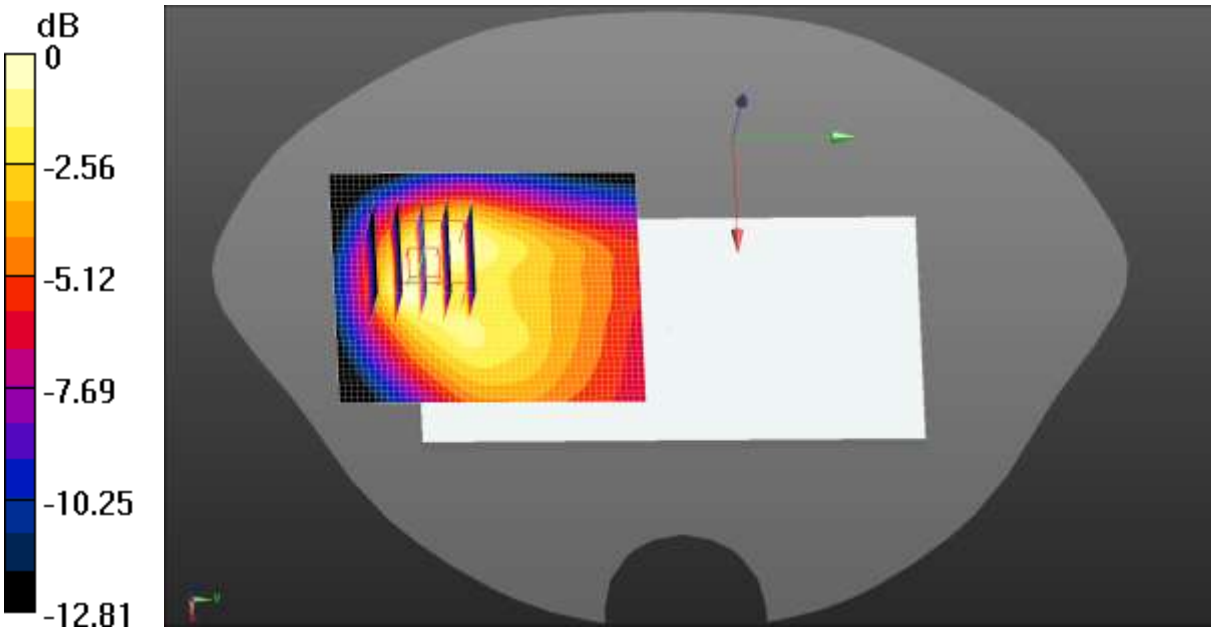
- Probe: EX3DV4 - SN7601; ConvF(8.62, 8.62, 8.62) @ 1730 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n66 1RB(20MHz) Body Back/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.63 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.084 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 56.2%
Maximum value of SAR (measured) = 0.284 W/kg

NR n66 1RB(20MHz) Body Back/Low Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.230 W/kg



0 dB = 0.230 W/kg = -6.38 dBW/kg

Test Laboratory: JYTSZ Date: 03.02.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 688 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 688 MHz; σ = 0.879 S/m; ε_r = 41.781; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

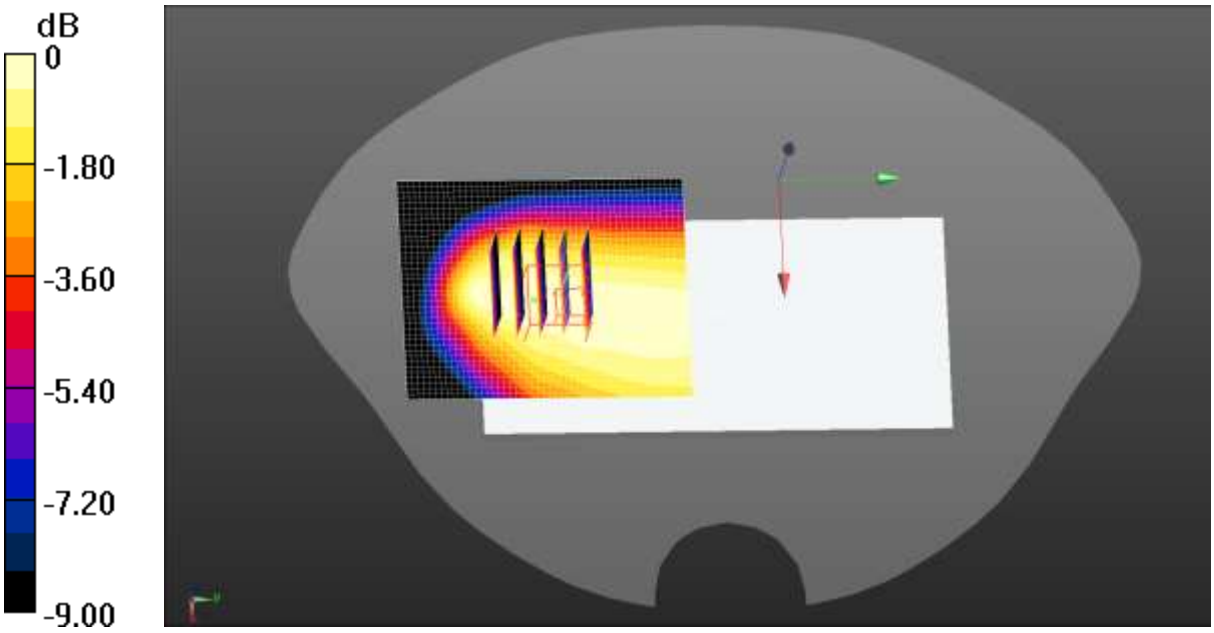
- Probe: EX3DV4 - SN7601; ConvF(10.58, 10.58, 10.58) @ 688 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n71 1RB(20MHz) Body Back/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.14 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.135 W/kg
SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.060 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 64.7%
Maximum value of SAR (measured) = 0.115 W/kg

NR n71 1RB(20MHz) Body Back/High Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.120 W/kg



0 dB = 0.120 W/kg = -9.21 dBW/kg

Test Laboratory: JYTSZ Date: 03.14.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

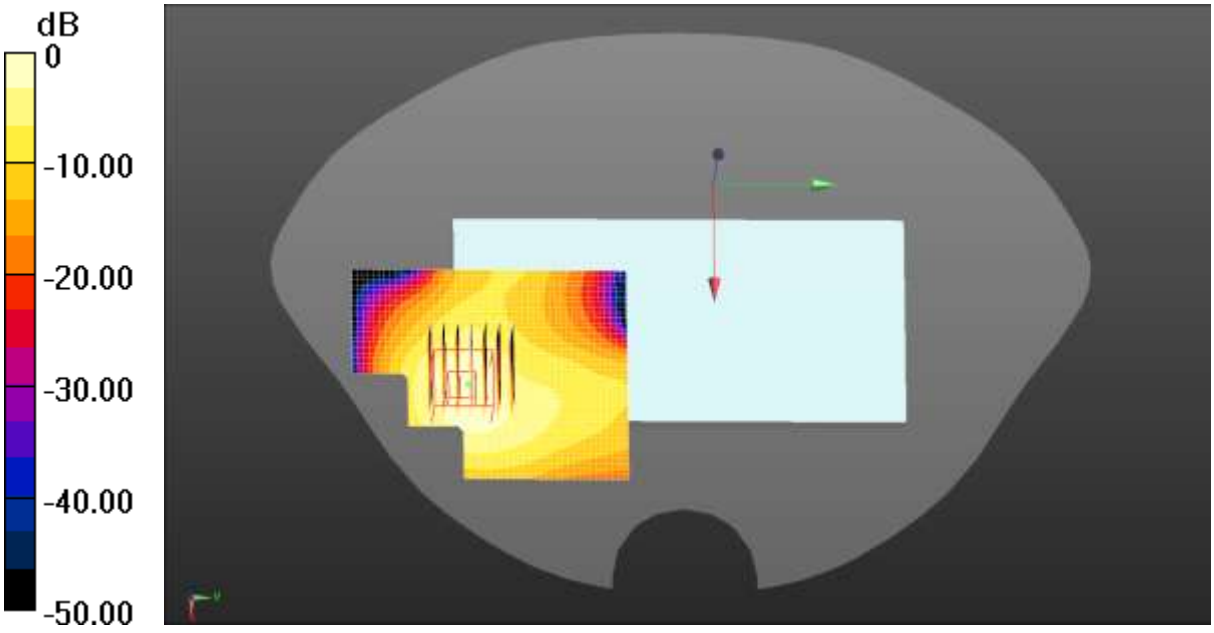
Communication System: UID 0, NR (0); Frequency: 3500.01 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 3500.01 MHz; σ = 2.929 S/m; ε_r = 36.906; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN3826; ConvF(6.61, 6.61, 6.61) @ 3500.01 MHz; Calibrated: 07.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n77 50%RB(100MHz) Body Back(3450-3550MHz)/Middle Channel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 0.4690 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.505 W/kg
SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.078 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 40.1%
Maximum value of SAR (measured) = 0.355 W/kg

NR n77 50%RB(100MHz) Body Back(3450-3550MHz)/Middle Channel/Area Scan (41x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.323 W/kg



0 dB = 0.323 W/kg = -4.91 dBW/kg

Test Laboratory: JYTSZ Date: 03.14.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

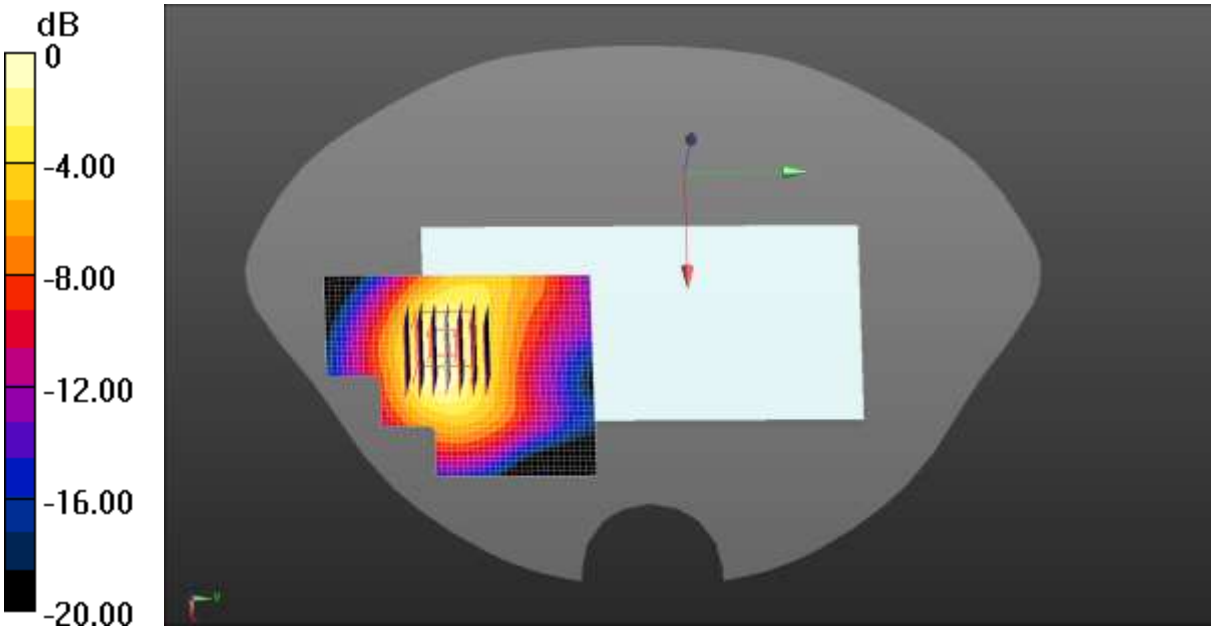
Communication System: UID 0, NR (0); Frequency: 3840 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3840 MHz; σ = 3.251 S/m; ε_r = 36.411; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN3826; ConvF(6.21, 6.21, 6.21) @ 3840 MHz; Calibrated: 07.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n77 50%RB(100MHz) Body Back(3700-3980MHz)/Middle Channel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 2.628 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.777 W/kg
SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.119 W/kg
Smallest distance from peaks to all points 3 dB below = 8.5 mm
Ratio of SAR at M2 to SAR at M1 = 36.8%
Maximum value of SAR (measured) = 0.515 W/kg

NR n77 50%RB(100MHz) Body Back(3700-3980MHz)/Middle Channel/Area Scan (41x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.498 W/kg



0 dB = 0.498 W/kg = -3.03 dBW/kg

Test Laboratory: JYTSZ Date: 03.10.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) (0);
Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.722 S/m; ε_r = 38.729; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

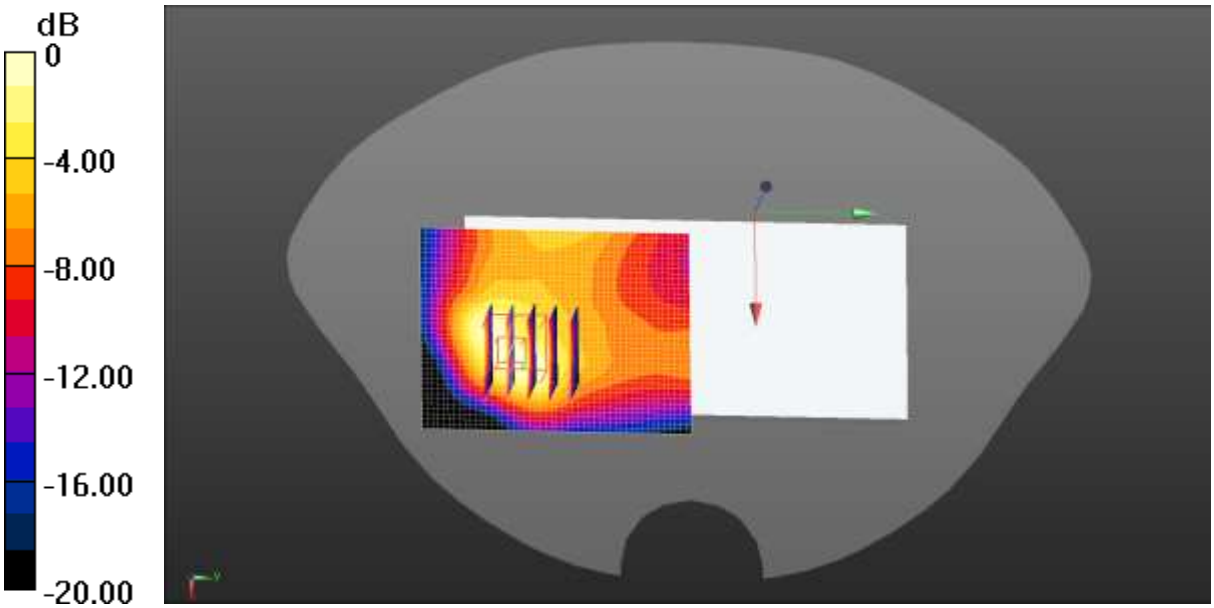
- Probe: EX3DV4 - SN7601; ConvF(7.74, 7.74, 7.74) @ 2437 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

2.4GWIFI Body Back Ant6-2 /Middle Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.383 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.287 W/kg
SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.060 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 49.4%
Maximum value of SAR (measured) = 0.208 W/kg

2.4GWIFI Body Back Ant6-2 /Middle Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.158 W/kg



0 dB = 0.158 W/kg = -8.01 dBW/kg

Test Laboratory: JYTSZ Date: 03.16.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

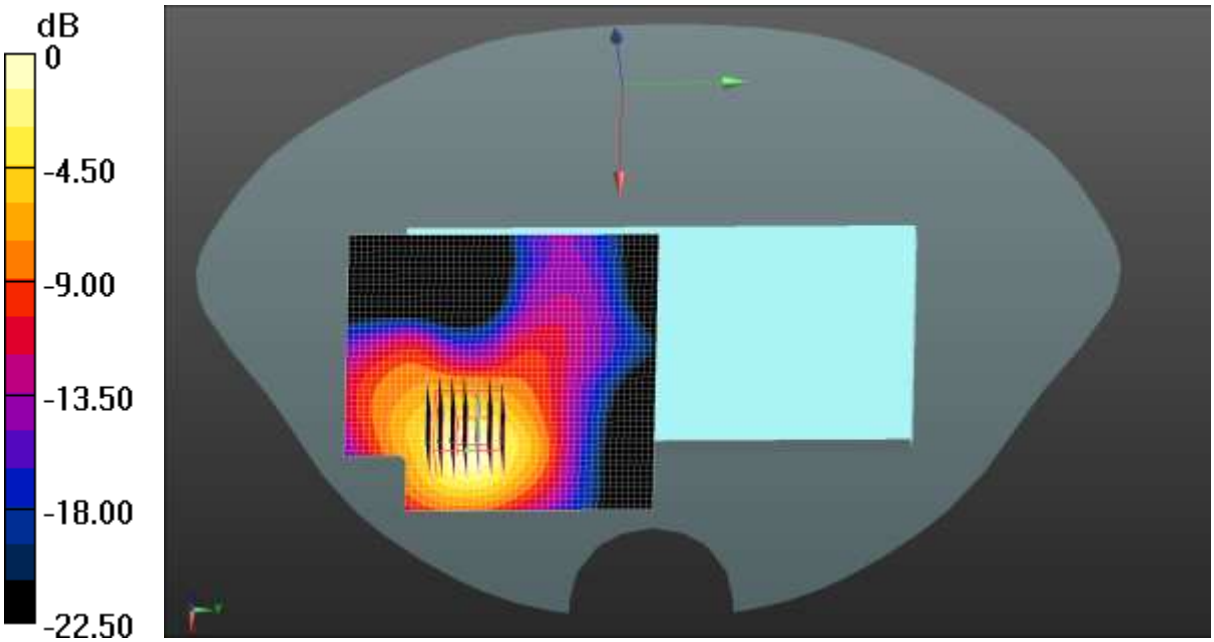
Communication System: UID 0, IEEE 802.11a WiFi 5GHz (0); Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.945 S/m; ε_r = 34.121; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(5.35, 5.35, 5.35) @ 5240 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

5.2GWIFI Body Back/High Channel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.258 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.129 W/kg
Smallest distance from peaks to all points 3 dB below = 10 mm
Ratio of SAR at M2 to SAR at M1 = 24.1%
Maximum value of SAR (measured) = 0.786 W/kg

5.2GWIFI Body Back/High Channel/Area Scan (51x51x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.677 W/kg



0 dB = 0.677 W/kg = -1.69 dBW/kg

Test Laboratory: JYTSZ Date: 03.16.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

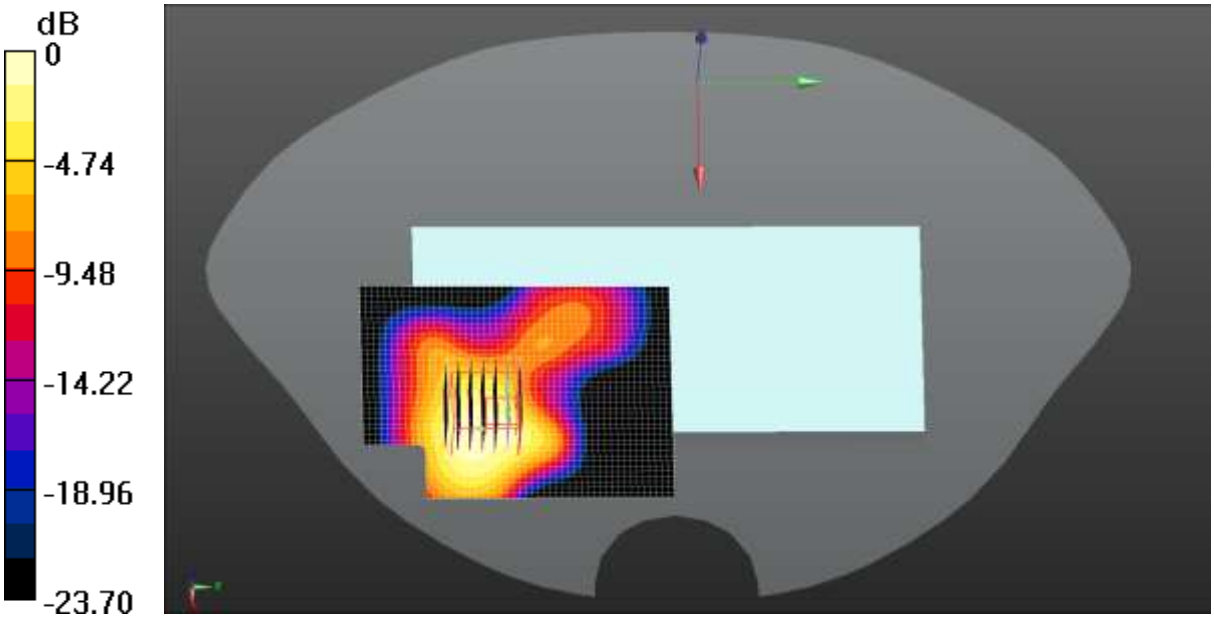
Communication System: UID 0, IEEE 802.11a WiFi 5GHz (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.466 S/m; ε_r = 33.81; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(5.04, 5.04, 5.04) @ 5825 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

5.8GWIFI Body Back/High Channel/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) = 0.940 W/kg
SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.081 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 18%
Maximum value of SAR (measured) = 0.576 W/kg

5.8GWIFI Body Back/High Channel/Area Scan (41x51x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.407 W/kg



0 dB = 0.407 W/kg = -3.90 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, GPRS(2 Slots) (0); Frequency: 1850.2 MHz;Duty Cycle: 1:4.10015
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.36 S/m; ε_r = 39.513; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

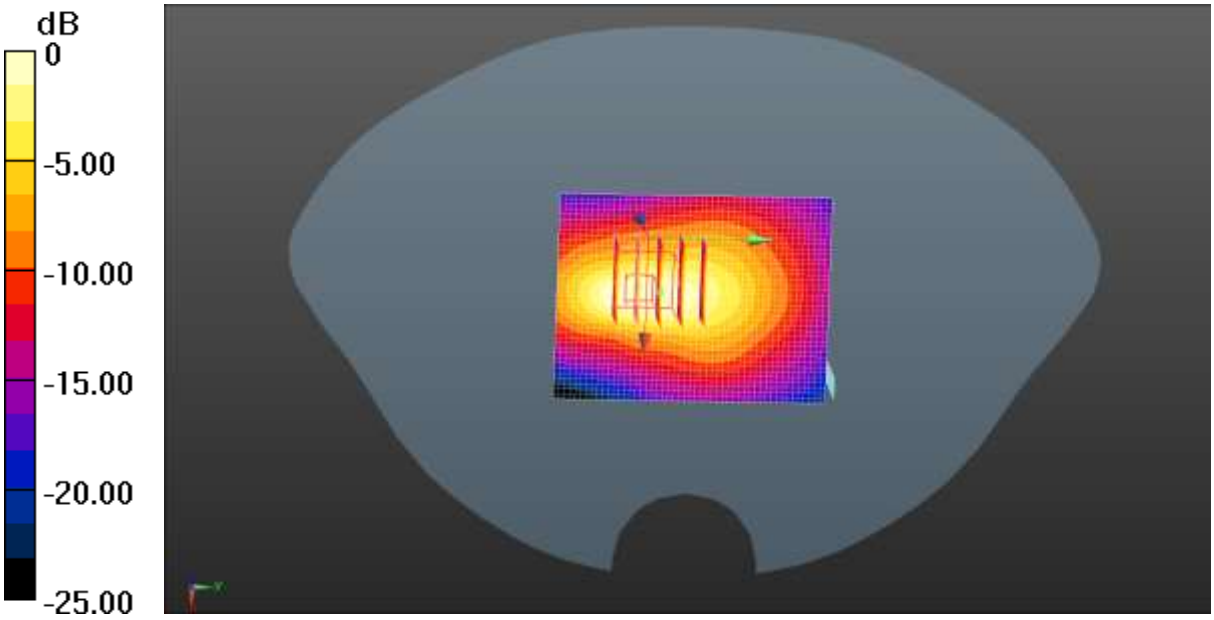
- Probe: EX3DV4 - SN7601; ConvF(8.37, 8.37, 8.37) @ 1850.2 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

GPRS 1900 2Slots Body Top/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.97 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.711 W/kg
SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.180 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 52.7%
Maximum value of SAR (measured) = 0.589 W/kg

GPRS 1900 2Slots Body Top/Low Channel/Area Scan (41x51x1): Interpolated

grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.473 W/kg



0 dB = 0.473 W/kg = -3.25 dBW/kg

Test Laboratory: JYTSZ Date: 03.05.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.289 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Flat Section

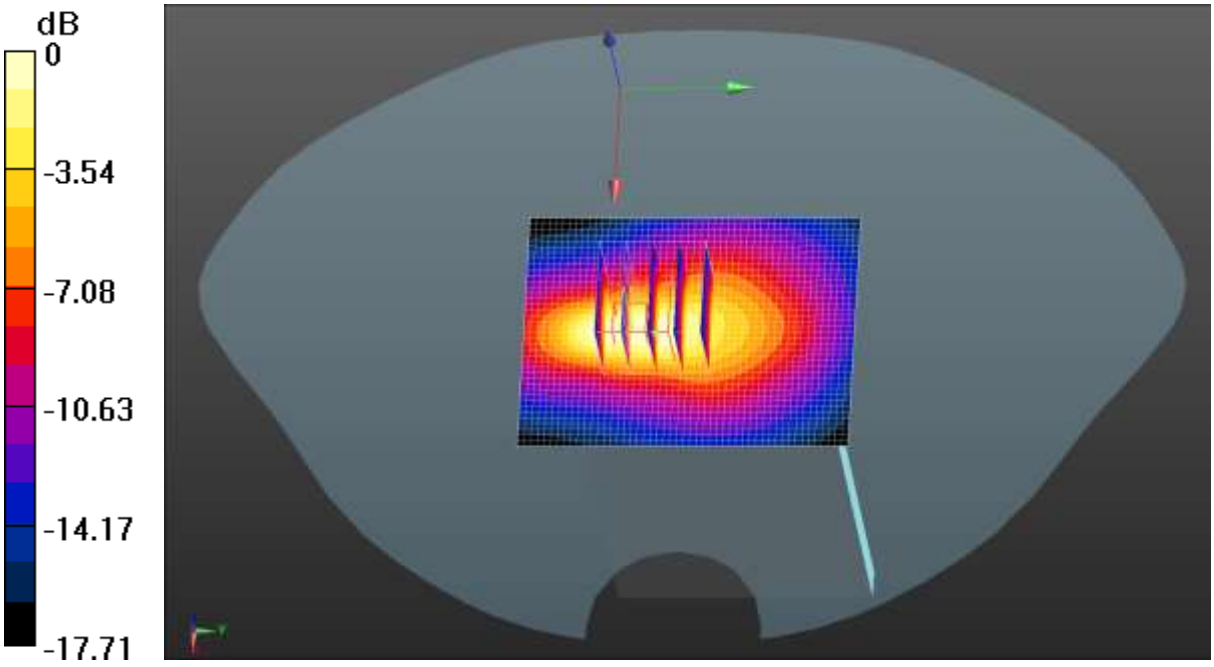
DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(8.62, 8.62, 8.62) @ 1712.4 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

WCDMA 1700 Body Top/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.88 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.682 W/kg
SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.174 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 52.7%
Maximum value of SAR (measured) = 0.567 W/kg

WCDMA 1700 Body Top/Low Channel/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.490 W/kg



0 dB = 0.490 W/kg = -3.10 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.392 S/m; ε_r = 39.442; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

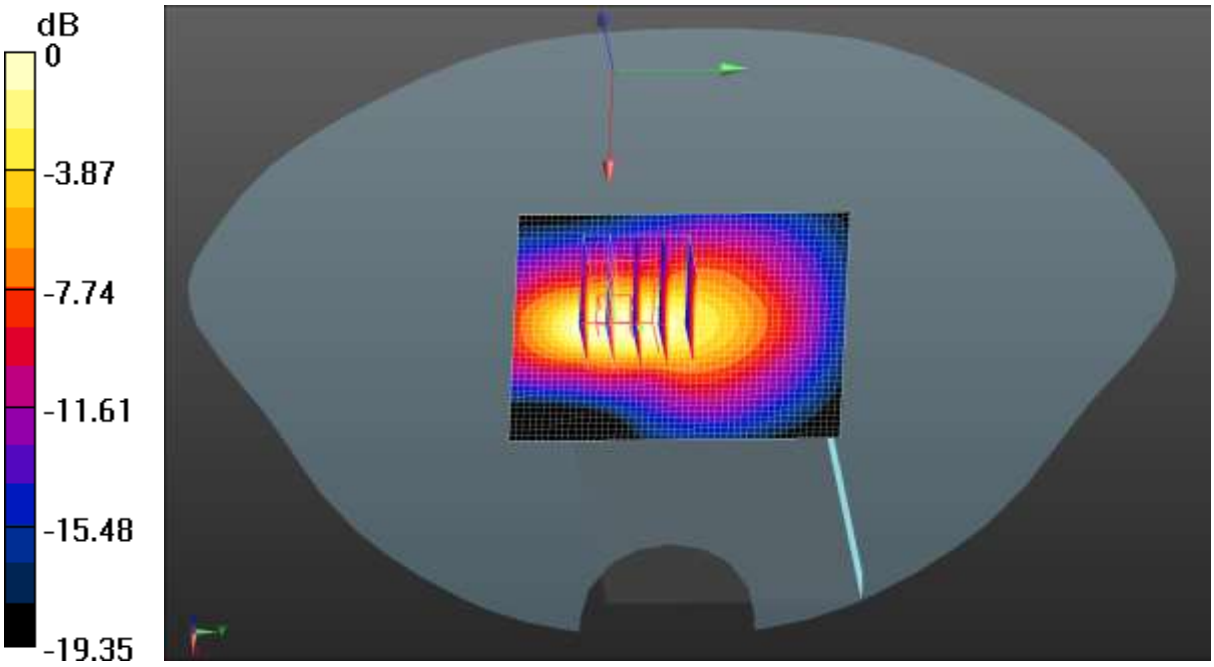
- Probe: EX3DV4 - SN7601; ConvF(8.37, 8.37, 8.37) @ 1907.6 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

WCDMA 1900 Body Top/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.01 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.971 W/kg
SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.231 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 50.8%
Maximum value of SAR (measured) = 0.800 W/kg

WCDMA 1900 Body Top/High Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.646 W/kg



0 dB = 0.646 W/kg = -1.90 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-Fdd(USA) 1RB QPSK (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.371 S/m; ε_r = 39.477; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

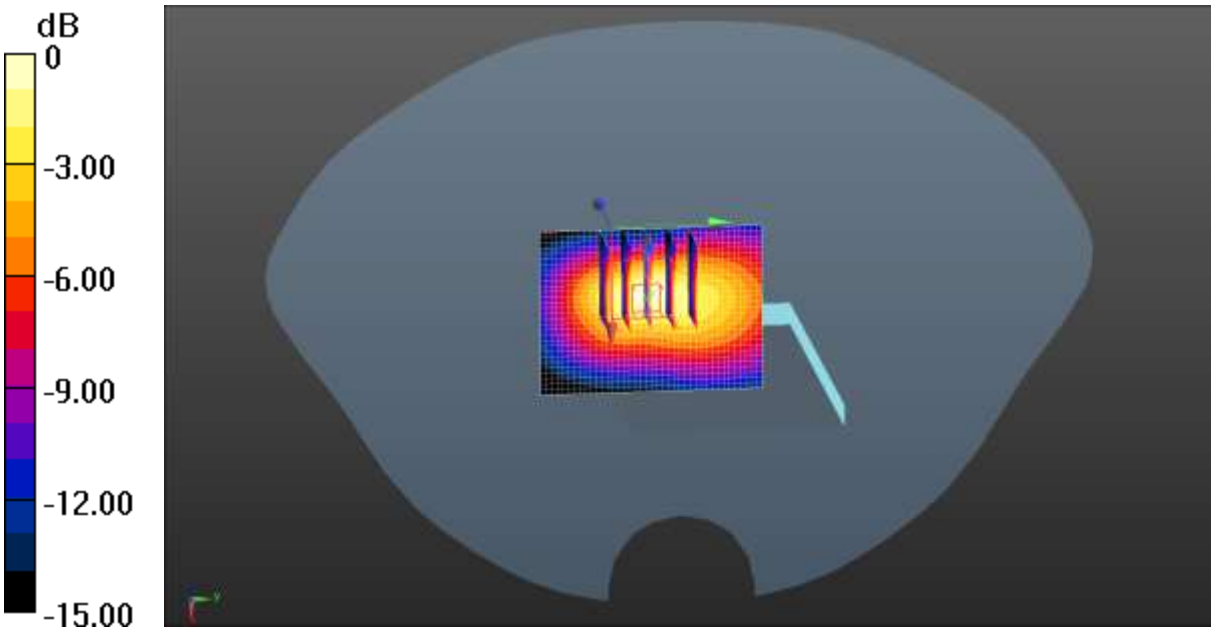
- Probe: EX3DV4 - SN7601; ConvF(8.37, 8.37, 8.37) @ 1860 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 2 1RB(20MHz) Body Top/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.80 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.738 W/kg
SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.170 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 52.4%
Maximum value of SAR (measured) = 0.517 W/kg

LTE Band 2 1RB(20MHz) Body Top/Low Channel/Area Scan (31x41x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.384 W/kg



0 dB = 0.384 W/kg = -4.16 dBW/kg

Test Laboratory: JYTSZ Date: 03.13.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-FDD(EU) (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 1.817 S/m; ε_r = 38.61; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

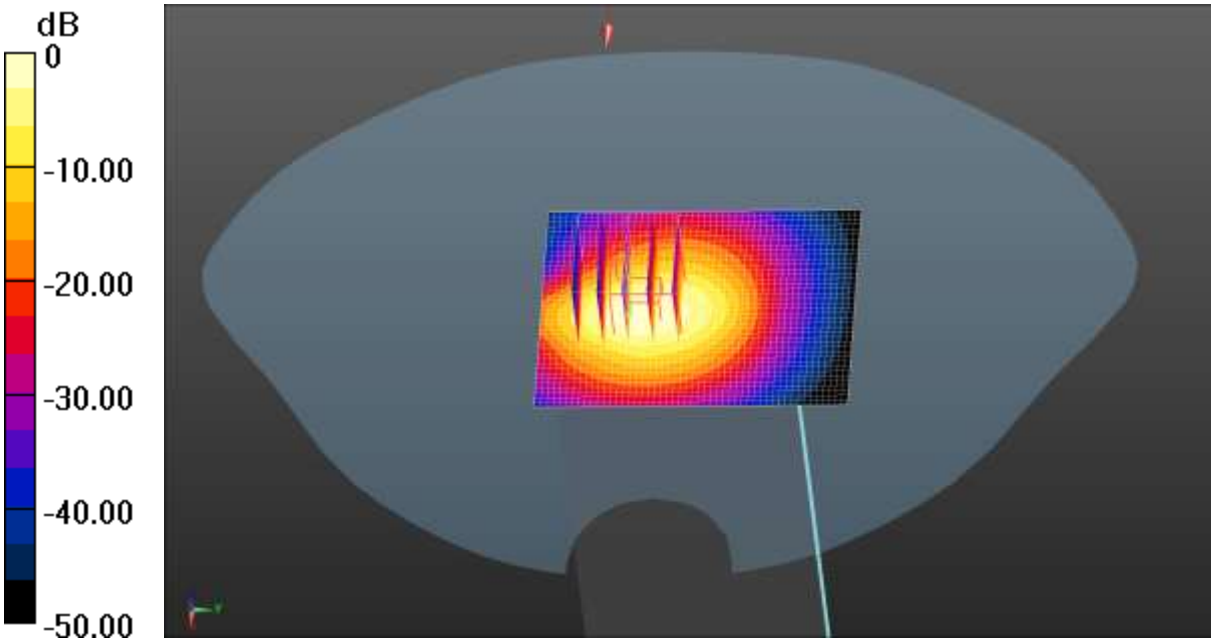
- Probe: EX3DV4 - SN7601; ConvF(7.74, 7.74, 7.74) @ 2510 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 7 1RB(20MHz) Body Top/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.075 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.604 W/kg
SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.118 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 46.8%
Maximum value of SAR (measured) = 0.477 W/kg

LTE Band 7 1RB(20MHz) Body Top/Low Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.468 W/kg



0 dB = 0.468 W/kg = -3.30 dBW/kg

Test Laboratory: JYTSZ Date: 03.08.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, LTE-Fdd(USA) 1RB QPSK (0); Frequency: 1770 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.319 S/m; ε_r = 39.646; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

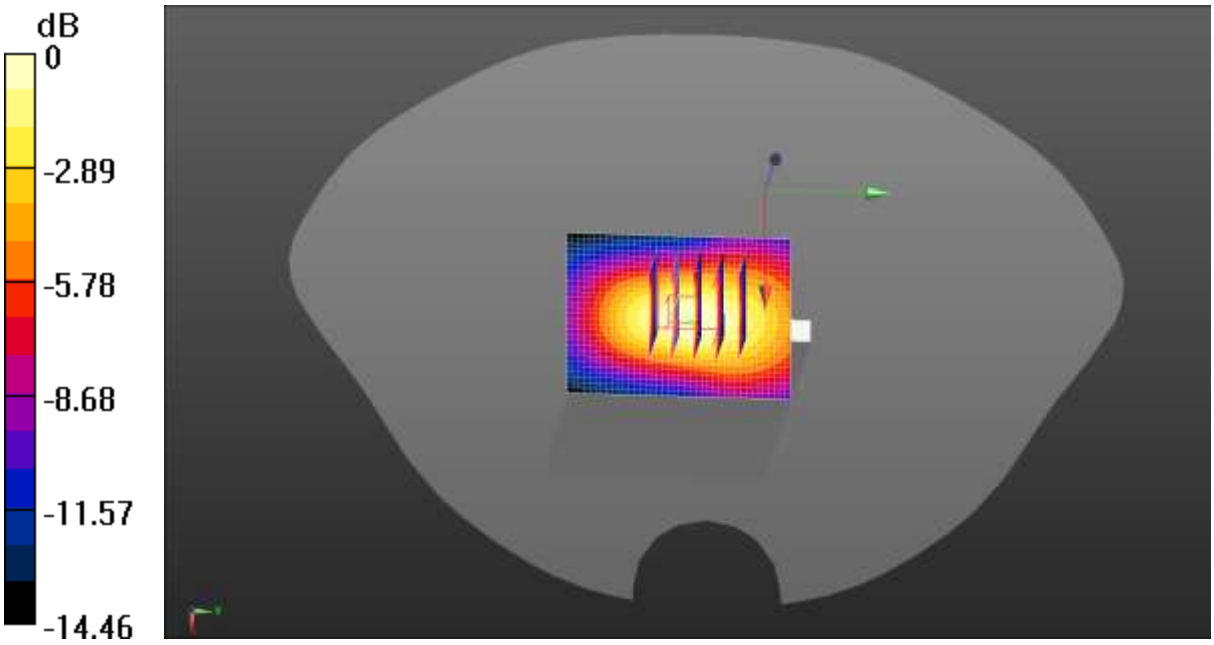
- Probe: EX3DV4 - SN7601; ConvF(8.62, 8.62, 8.62) @ 1770 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 66 1RB(20MHz) Body Top/High Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.33 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.556 W/kg
SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.143 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 52.9%
Maximum value of SAR (measured) = 0.453 W/kg

LTE Band 66 1RB(20MHz) Body Top/High Channel/Area Scan (31x41x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.303 W/kg



0 dB = 0.303 W/kg = -5.19 dBW/kg

Test Laboratory: JYTSZ Date: 03.06.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.371 S/m; ε_r = 39.477; ρ = 1000 kg/m^3
Phantom section: Flat Section

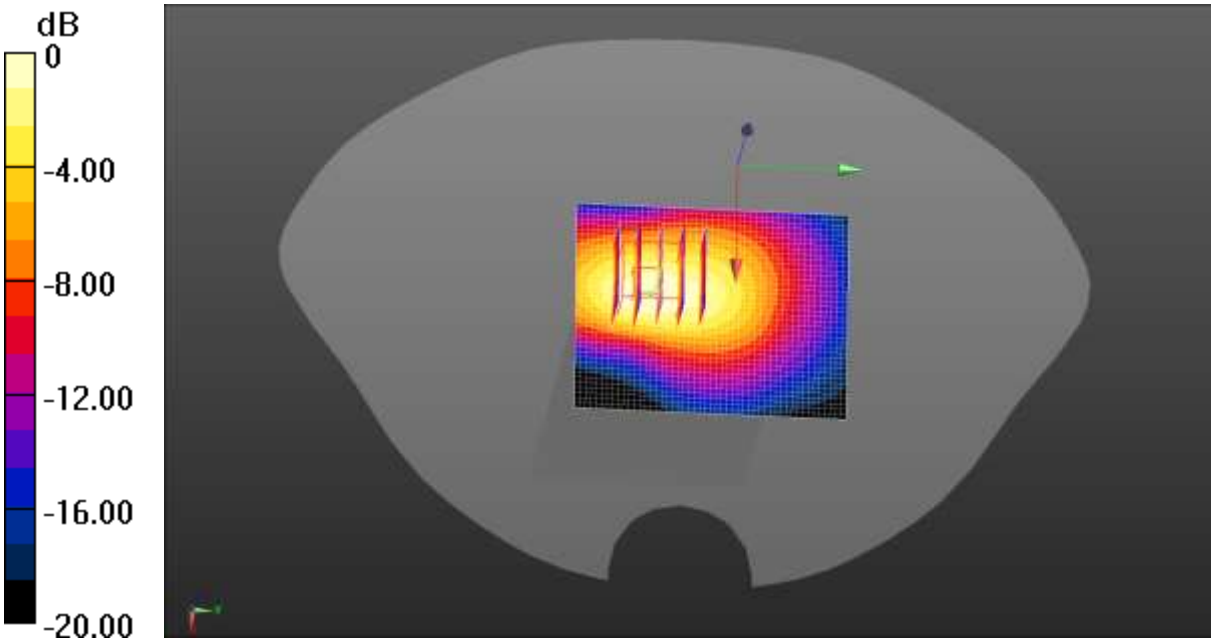
DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(8.37, 8.37, 8.37) @ 1860 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n2 1RB(20MHz) Body Top/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.30 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.381 W/kg
SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.098 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 53.7%
Maximum value of SAR (measured) = 0.302 W/kg

NR n2 1RB(20MHz) Body Top/Low Channel/Area Scan (41x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.209 W/kg



0 dB = 0.209 W/kg = -6.80 dBW/kg

Test Laboratory: JYTSZ Date: 03.13.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 2595 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2595 MHz; σ = 1.883 S/m; ε_r = 38.473; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

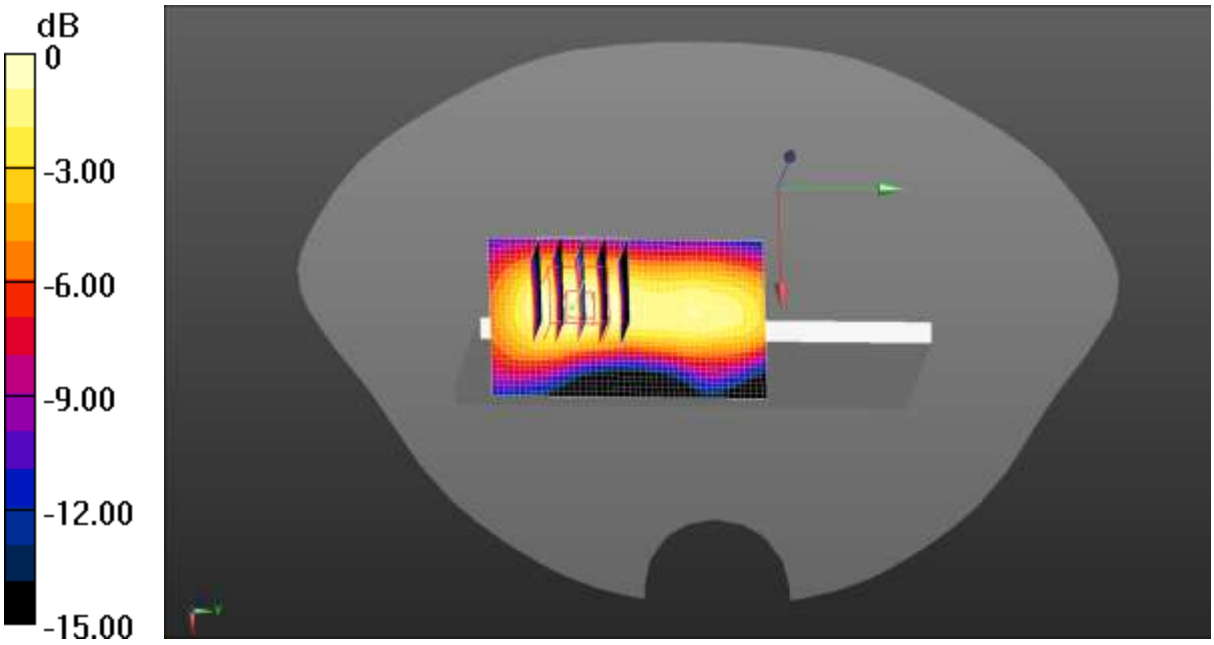
- Probe: EX3DV4 - SN7601; ConvF(7.49, 7.49, 7.49) @ 2595 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n41 50%RB(100MHz) Body Left/Middle Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.410 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.256 W/kg
SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.052 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 46.6%.
Maximum value of SAR (measured) = 0.186 W/kg

NR n41 50%RB(100MHz) Body Left/Middle Channel/Area Scan (31x51x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.119 W/kg



0 dB = 0.119 W/kg = -9.24 dBW/kg

Test Laboratory: JYTSZ Date: 03.05.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

Communication System: UID 0, NR (0); Frequency: 1730 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1730 MHz; σ = 1.300 S/m; ε_r = 39.668; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

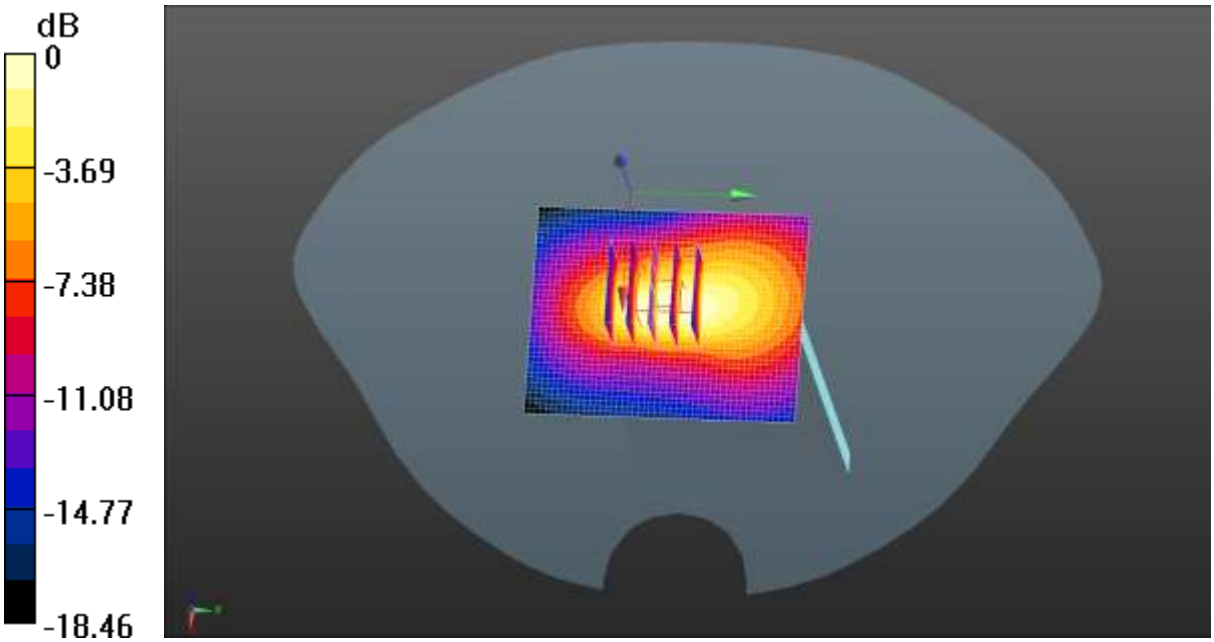
- Probe: EX3DV4 - SN7601; ConvF(8.62, 8.62, 8.62) @ 1730 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n66 1RB(20MHz) Body Top/Low Channel/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.11 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.461 W/kg
SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.121 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 53.7%
Maximum value of SAR (measured) = 0.362 W/kg

NR n66 1RB(20MHz) Body Top/Low Channel/Area Scan (41x51x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.287 W/kg



0 dB = 0.287 W/kg = -5.42 dBW/kg

Test Laboratory: JYTSZ Date: 03.14.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

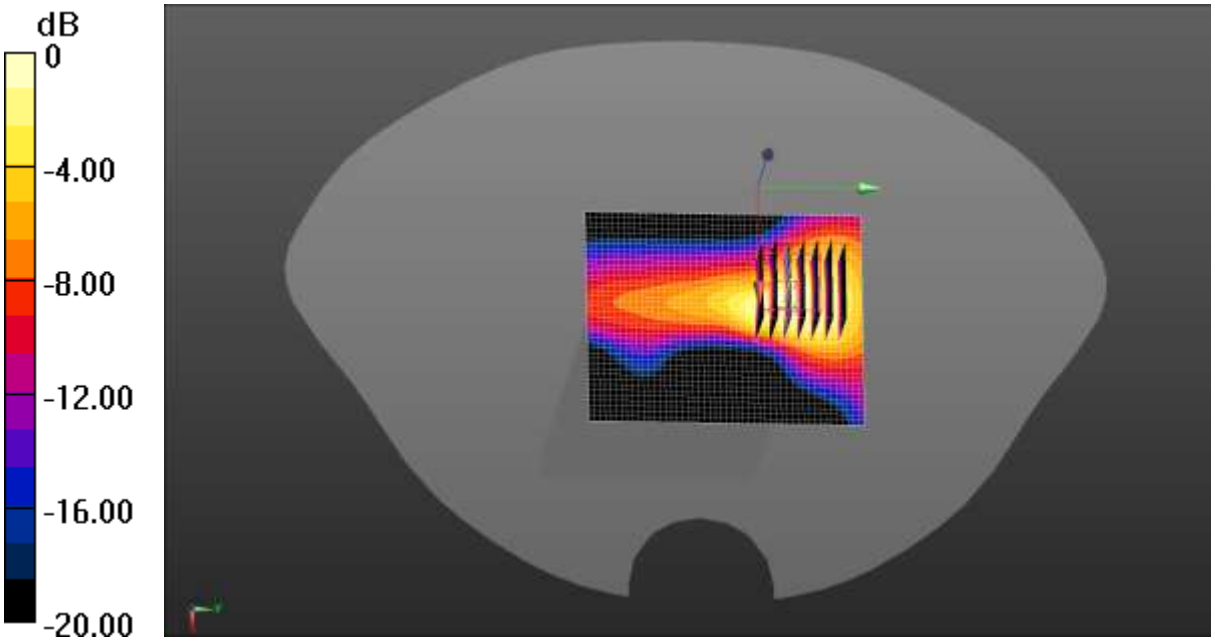
Communication System: UID 0, NR (0); Frequency: 3500.01 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 3500.01 MHz; σ = 2.929 S/m; ε_r = 36.906; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN3826; ConvF(6.61, 6.61, 6.61) @ 3500.01 MHz; Calibrated: 07.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n77 50%RB(100MHz) Body Top(3450-3550MHz)/Middle Channel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 3.819 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.440 W/kg
SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.059 W/kg
Smallest distance from peaks to all points 3 dB below = 7 mm
Ratio of SAR at M2 to SAR at M1 = 38.8%
Maximum value of SAR (measured) = 0.321 W/kg

NR n77 50%RB(100MHz) Body Top(3450-3550MHz)//Middle Channel/Area Scan (41x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.181 W/kg



0 dB = 0.181 W/kg = -7.42 dBW/kg

Test Laboratory: JYTSZ Date: 03.14.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

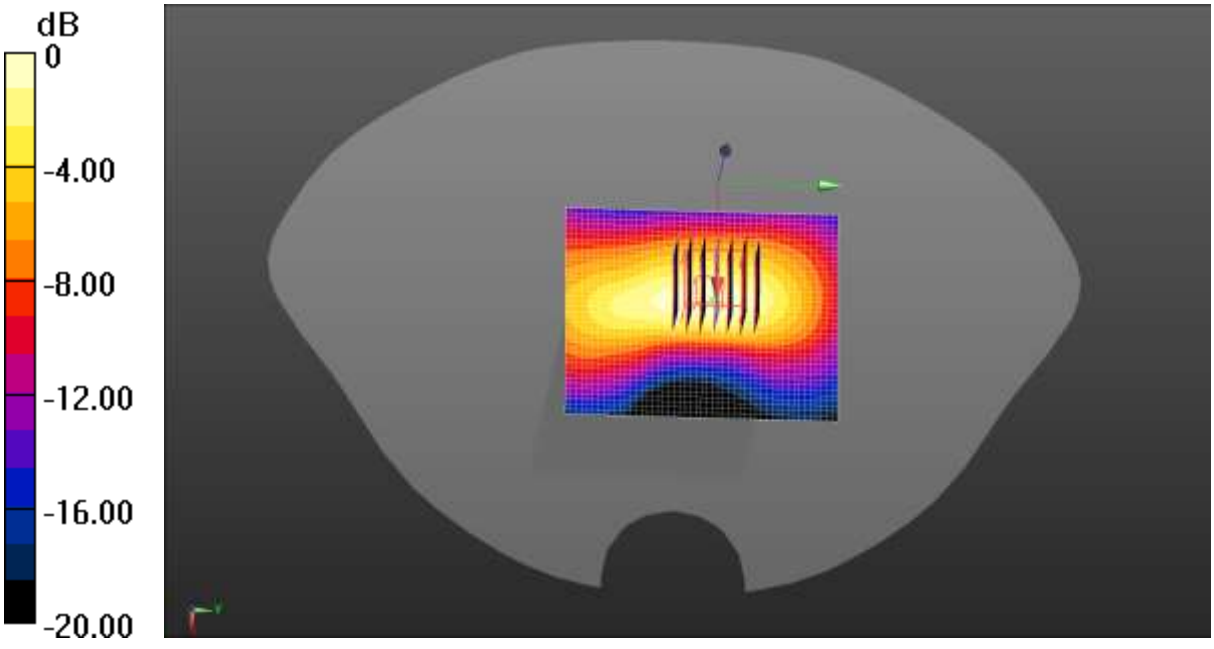
Communication System: UID 0, NR (0); Frequency: 3840 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3840 MHz; σ = 3.251 S/m; ε_r = 36.411; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 – SN3826; ConvF(6.21, 6.21, 6.21) @ 3840 MHz; Calibrated: 07.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR n77 50%RB(100MHz) Body Top(3700-3980MHz)/Middle Channel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 7.28 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.572 W/kg
SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.124 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 34.4%
Maximum value of SAR (measured) = 0.481 W/kg

NR n77 50%RB(100MHz) Body Top(3700-3980MHz)/Middle Channel/Area Scan (41x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.382 W/kg



0 dB = 0.382 W/kg = -4.18 dBW/kg

Test Laboratory: JYTSZ Date: 03.16.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

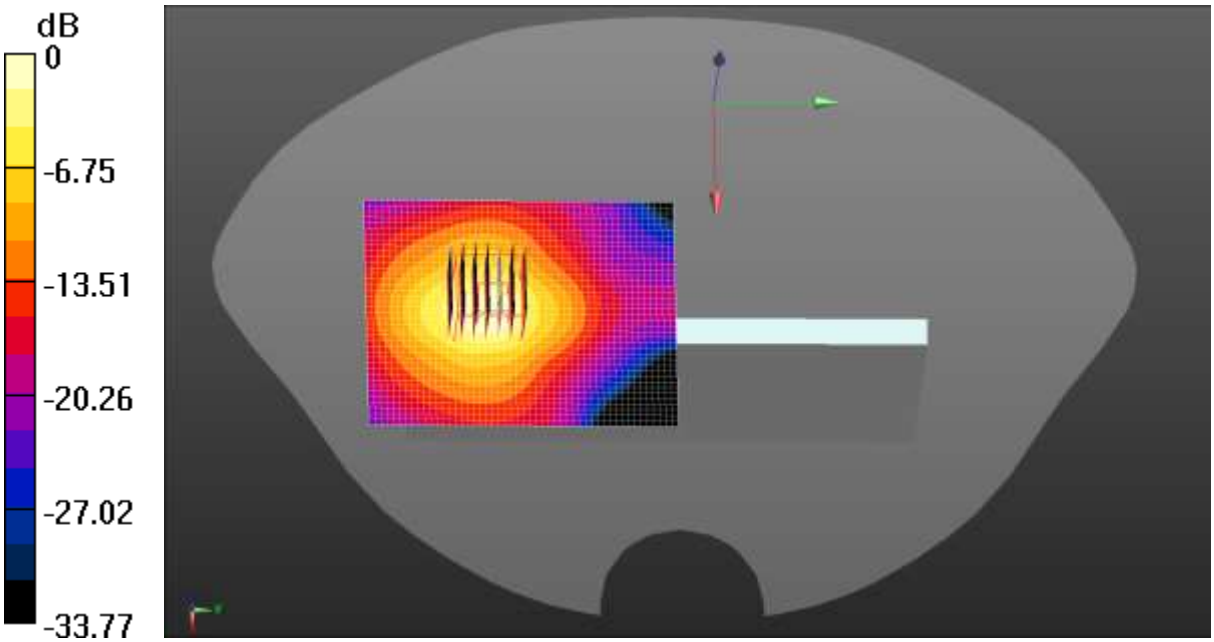
Communication System: UID 0, IEEE 802.11a WiFi 5GHz (0); Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.945 S/m; ε_r = 34.121; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(5.35, 5.35, 5.35) @ 5240 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

5.2GWIFI Body Right/High Channel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.326 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.93 W/kg
SAR(1 g) = 0.687 W/kg; SAR(10 g) = 0.261 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 24.5%
Maximum value of SAR (measured) = 1.85 W/kg

5.2GWIFI Body Right/High Channel/Area Scan (41x51x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.84 W/kg



0 dB = 1.84 W/kg = 2.65 dBW/kg

Test Laboratory: JYTSZ Date: 03.16.2022

DUT: Mobile Phone; Type: X671B; Serial: 1#

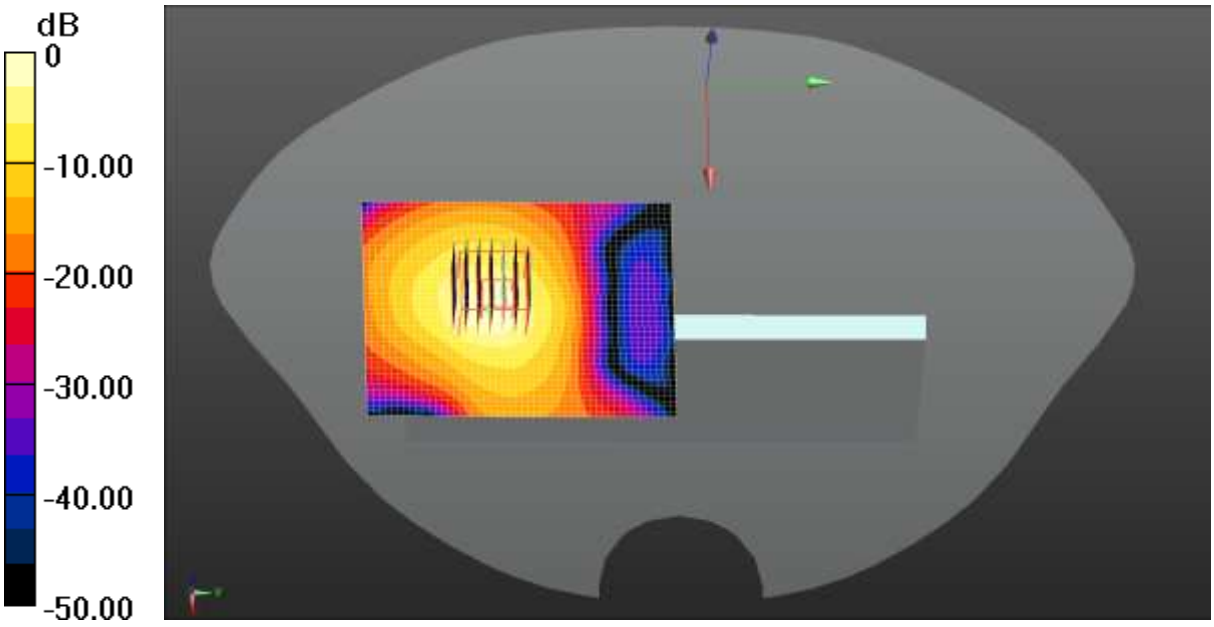
Communication System: UID 0, IEEE 802.11a WiFi 5GHz (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.466 S/m; ε_r = 33.81; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7601; ConvF(5.04, 5.04, 5.04) @ 5825 MHz; Calibrated: 12.28.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1452; Calibrated: 05.26.2021
- Phantom: SAM 5.0; Type: QD000P40CD; Serial: TP:1765
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

5.8GWIFI Body Right/High Channel/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) = 2.67 W/kg
SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.198 W/kg
Smallest distance from peaks to all points 3 dB below = 8.5 mm
Ratio of SAR at M2 to SAR at M1 = 18.8%
Maximum value of SAR (measured) = 1.49 W/kg

5.8GWIFI Body Right/High Channel/Area Scan (41x51x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.52 dBW/kg